Description of Monitoring Wells
Etiwanda Generating Station

Well No.	Northing	Easting	Elevation Top of Casing (feet)	Well Depth (feet)	Well Diameter (inches)	Perforated Interval (feet)	Depth to Pump Intake (feet) (Measured from top of casing)	Well Use
EW-1	-2095.50	-2252.19	1106.86	430	4	370-430	425	Water Level -- Sampling
EW-2	-2706.12	-2218.28	1100.81	440	4	380-420	420	Water Level -- Sampling
EW-3	-2702.57	-2435.43	1097.20	435	4	380-420	415	Water Level -- Sampling
EW-4	-2768.78	-2594.34	1101.54	420	4	380-420	418	Water Level -- Sampling
EW-5	-2350.49	-2455.67	1109.08	445	4	375-445	428	Water Level -- Sampling
EW-6	-2759.64	-3050.18	1102.71	440	4	370-425	421	Water Level -- Sampling

Groundwater Elevations
Etiwanda Generating Station

Well No.	Elevation Top of Casing	11/28/07	3/4/08	6/10/08	9/10/08	12/8/08	3/16/09	6/10/09	9/9/09	12/3/09
EW-1	1106.86	686.02	688.59	686.67	680.78	679.57	682.98	680.65	677.34	677.78
EW-2	1100.81	684.44	687.30	685.42	679.10	677.28	681.10	678.93	675.64	>673.81
EW-3	1097.20	683.69	686.47	684.58	678.62	676.89	680.43	677.91	674.46	673.56
EW-4	1101.54	734.14	733.97	733.48	732.99	732.85	732.61	732.46	732.19	732.43
EW-5	1109.08	684.43	687.13	685.23	679.31	677.59	680.97	678.60	675.13	674.40
EW-6	1102.71	681.51	684.63	682.08	676.41	>672.71	678.38	675.84	>672.71	>672.71

Table 3

Constituents of Concern -- Metals and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-1														
	Date		6/02	9/02	12/02	3/03		6/03	9/03	1/04	3/04	6/04		9/04	12/04	3/05	6/05
Parameter	Units	PQL					PQL						PQL				
Antimony	ug/L	5	ND	ND	ND	ND	5	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND
Arsenic	ug/L	2	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	2	ND	ND	ND	ND
Barium	ug/L	0.5	70	83	83	74	0.5	85	72	72	82	88	2.5	91	88	110	87
Beryllium	ug/L	0.3	ND	ND	ND	ND	0.3	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	0.5	ND	ND	ND	0.68
Chloride	mg/L	0.5	13	22	24	9.8	0.5	20	13	19	25	20	0.5	16	16	11	31
Chromium, Total	ug/L	4	4.6	5.3	4.1	4.7	4	6.9	6.1	4.7	5.1	5.1	1	7	4.7	7.2	6.5
Chromium VI	ug/L	0.3	3.6	3.9	4.9	3.7	0.3	5.2	3.4	4	NT	4.5	0.3	4.5	5	4.8	4.3
Cobalt	ug/L	0.2	0.21	ND	ND	ND	0.2	ND	ND	ND	ND	ND	0.5	ND	ND	0.62	ND
Copper	ug/L	2	4.8	ND	2.3	2.7	2	2.1	7.7	ND	ND	ND	2.5	ND	ND	ND	4
Fluoride	mg/L	0.05	0.22	ND	ND	0.22	0.05	0.29	0.23	ND	ND	ND	0.5	ND	ND	ND	ND
Iron	ug/L	20	38	ND	ND	ND	20	ND	56	ND	25	24	20	ND	22	1,100	390
Lead	ug/L	1	ND	ND	ND	ND	1	ND	ND	ND	ND	1	1	ND	ND	1.3	5.8
Mercury	ug/L	0.1	ND	ND	ND	ND	0.1	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND
Molybdenum	ug/L	1	3.7	4	4	3.6	1	3.5	3.3	4.3	3.9	3.7	0.5	4	3.6	4.1	4.1
Nickel	ug/L	2	2.8	ND	ND	ND	2	ND	ND	ND	ND	ND	4	ND	ND	ND	6.5
Selenium	ug/L	2	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	2	ND	ND	ND	ND
Silver	ug/L	0.5	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	1	ND	ND	ND	1.6
Thallium	ug/L	0.5	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	1	ND	ND	ND	ND
Vanadium	ug/L	5	9.1	10	9.1	9.6	3	9.1	7.7	9.8	10	9.1	2.5	12	9	13	6.2
Zinc	ug/L	10	79	24	14	40	10	25	42	11	ND	ND	10	240	ND	ND	21
pH	Units		7.2	7.2	7.4	7.4		7.6	7.5	7.6	7.5	7.4		7.5	7.4	8.0	7.5
TDS	mg/L	10	250	250	240	230	10	250	230	200	240	240	10	240	220	250	220
Aluminum	ug/L	10	18	10	30	ND	10	11	15	ND	13	18	10	ND	ND	530	170
Manganese	ug/L	10	15	ND	ND	ND	10	ND	ND	ND	ND	ND	10	ND	ND	85	28
Nitrate	mg/L	2	35	26	22	37	2	30	30	18	18	20	2	32	37	49	19

Table 3

Constituents of Concern -- Metals and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-1													
	Date		9/05	12/05	3/06	6/06	9/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09
Parameter	Units	PQL															
Antimony	ug/L	2.5	ND	ND	ND	ND	ND	ND	5.2	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	ug/L	2.5	83	79	110	83	91	86	86	86	88	81	76	59	88	76	81
Beryllium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/L	0.5	11	18	40	21	24	14	13	23	21	18	6.6	8.2	18	27	7.9
Chromium, Total	ug/L	1	5.7	4.6	6.5	7.1	6	5.8	6.2	5.4	6	6.5	5.6	3.3	9.6	5.6	3.5
Chromium VI	ug/L	0.3	4.7	4.4	6.4	7.8	10	5.5	6.9	5.1	6.7	5.7	5	2.8	5.4	7.6	5
Cobalt	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	ug/L	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoride	mg/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	ug/L	20	85	160	89	59	ND	38	34	39	21	47	110	ND	350	82	45
Lead	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	ug/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	ug/L	0.5	3.7	3.5	3.1	3.7	3	3.8	4	3	3.5	4	4.8	3.9	3.6	4	5.3
Nickel	ug/L	4	ND	ND	4.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ug/L	2.5	13	9.9	11	11	8.9	9.9	12	11	11	11	12	9.6	12	11	11
Zinc	ug/L	10	ND	ND	ND	ND	ND	14	10	ND	ND	ND	ND	ND	30	ND	ND
pH	Units		7.6	7.1	7.9	7.3	8.0	8.0	8.1	8.0	8.2	8.4	8.1	7.9	8.2	7.9	8.1
TDS	mg/L	10	210	230	330	230	290	230	220	230	280	290	160	160	180	230	190
Aluminum	ug/L	10	ND	130	170	ND	ND	ND	ND	ND	ND	ND	32	ND	380	45	ND
Manganese	ug/L	10	ND	17	ND	ND	ND	ND	ND	31	ND	ND	17	ND	22	6	15
Nitrate	mg/L	2	29	25	28	16	14	16	18	16	20	18	18	10	20	25	27

Table 3

Constituents of Concern -- Metals and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-1															
	Date		6/09	9/09	12/09													
Parameter	Units	PQL																
Antimony	ug/L	2.5	ND	ND	ND													
Arsenic	ug/L	2	ND	ND	ND													
Barium	ug/L	2.5	88	80	76													
Beryllium	ug/L	0.5	ND	ND	ND													
Cadmium	ug/L	0.5	ND	ND	ND													
Chloride	mg/L	0.5	8.7	12	11													
Chromium, Total	ug/L	1	8.5	4.1	5													
Chromium VI	ug/L	0.3	4.4	4.6	3.8													
Cobalt	ug/L	0.5	ND	ND	ND													
Copper	ug/L	2.5	ND	ND	ND													
Fluoride	mg/L	0.5	ND	ND	ND													
Iron	ug/L	20	250	ND	ND													
Lead	ug/L	1	ND	ND	ND													
Mercury	ug/L	0.1	ND	ND	ND													
Molybdenum	ug/L	0.5	3.2	3.8	3.6													
Nickel	ug/L	4	4	ND	ND													
Selenium	ug/L	2	ND	ND	ND													
Silver	ug/L	1	ND	ND	ND													
Thallium	ug/L	1	ND	ND	ND													
Vanadium	ug/L	2.5	10	12	9.4													
Zinc	ug/L	10	ND	ND	ND													
pH	Units		8.1	8.2	8.0													
TDS	mg/L	10	230	240	210													
Aluminum	ug/L	10	200	ND	ND													
Manganese	ug/L	10	69	ND	ND													
Nitrate	mg/L	2	35	38	21													

Table 3

Constituents of Concern -- Metals and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-2														
	Date		6/02	9/02	12/02	3/03		6/03	9/03	1/04	3/04	6/04		9/04	12/04	3/05	6/05
Parameter	Units	PQL					PQL						PQL				
Antimony	ug/L	5	ND	ND	ND	ND	5	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND
Arsenic	ug/L	2	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	2	ND	ND	ND	ND
Barium	ug/L	0.5	70	89	66	63	0.5	63	57	55	60	63	2.5	63	58	70	90
Beryllium	ug/L	0.3	ND	ND	ND	ND	0.3	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND
Chloride	mg/L	0.5	10	37	12	9.6	0.5	7.7	7.8	7.6	8.6	11	0.5	8.6	9	12	39
Chromium, Total	ug/L	4	5.1	6.7	ND	ND	4	5.3	4.9	ND	ND	5.1	1	3.9	3.4	3.4	10
Chromium VI	ug/L	0.3	3.1	5.2	3.1	2.7	0.3	3.4	2.3	2.5	NT	3.7	0.3	3.1	2.9	3.5	8.8
Cobalt	ug/L	0.2	0.88	0.28	ND	ND	0.2	0.23	0.24	ND	ND	ND	0.5	ND	ND	ND	ND
Copper	ug/L	2	4.3	ND	2.9	ND	2	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND
Fluoride	mg/L	0.05	0.24	ND	ND	0.24	0.05	0.3	0.19	ND	ND	ND	0.5	ND	ND	ND	ND
Iron	ug/L	20	1,300	120	66	ND	20	130	290	43	ND	23	20	62	ND	23	ND
Lead	ug/L	1	2.2	ND	ND	ND	1	ND	ND	ND	ND	ND	1	ND	1.4	ND	ND
Mercury	ug/L	0.1	ND	ND	ND	ND	0.1	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND
Molybdenum	ug/L	1	4.5	3.7	4.7	4.3	1	4.3	4	4.2	4.3	3.8	0.5	4.4	4	4.1	3.7
Nickel	ug/L	2	3	ND	ND	ND	2	ND	ND	ND	ND	ND	4	ND	ND	ND	ND
Selenium	ug/L	2	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	2	ND	ND	ND	ND
Silver	ug/L	0.5	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	1	ND	ND	ND	ND
Thallium	ug/L	0.5	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	1	ND	ND	ND	ND
Vanadium	ug/L	5	12	11	11	9.6	3	10	10	9.4	11	9.3	2.5	13	10	10	12
Zinc	ug/L	10	57	19	18	33	10	26	20	ND	ND	ND	10	12	ND	12	ND
pH	Units		7.3	7.1	7.6	7.3		7.3	7.6	7.6	7.7	7.6		7.6	7.7	7.6	7.6
TDS	mg/L	10	270	310	180	200	10	180	180	140	190	200	10	180	170	180	220
Aluminum	ug/L	10	900	51	250	ND	10	170	100	24	ND	10	10	57	ND	ND	ND
Manganese	ug/L	10	120	110	15	ND	10	21	67	ND	ND	ND	10	ND	ND	ND	ND
Nitrate	mg/L	2	35	20	9.5	11	2	15	13	12	17	19	2	13	11	12	14

Table 3

Constituents of Concern -- Metals and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-2													
	Date		9/05	12/05	3/06	6/06	6/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09
Parameter	Units	PQL															
Antimony	ug/L	2.5	ND	ND	ND	ND	ND	ND	5.6	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	ug/L	2.5	160	170	150	130	72	81	130	67	71	61	63	67	100	58	55
Beryllium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/L	0.5	74	85	58	33	22	17	31	12	10	7.8	8.8	15	29	15	8.5
Chromium, Total	ug/L	1	24	26	21	17	11	10	26	7.8	6	3.4	3.6	4.2	7	4.1	2.9
Chromium VI	ug/L	0.3	21	26	23	18	11	9.3	26	5.6	5.8	3.6	3.4	5.5	6.4	3.4	3.1
Cobalt	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	ug/L	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoride	mg/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	ug/L	20	ND	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	14	ND
Lead	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	ug/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	ug/L	0.5	2.5	2.3	2	2.7	3.2	4.1	6.6	3.6	3.6	4.1	3.9	3.1	3.2	3.6	3.7
Nickel	ug/L	4	6.5	6	6.3	5	ND	ND	5.4	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ug/L	2.5	9.6	7.4	9.8	9.1	9.4	10	13	12	11	11	13	8	11	12	11
Zinc	ug/L	10	12	ND	ND	10	ND	11	12	ND	ND	ND	ND	ND	ND	ND	ND
pH	Units		7.5	7.0	7.6	7.4	8.0	7.8	7.9	7.8	8.0	8.0	8.0	8.1	7.9	8.2	8.1
TDS	mg/L	10	410	470	540	340	300	250	360	240	220	220	170	170	210	230	170
Aluminum	ug/L	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140	ND	ND
Manganese	ug/L	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16	9	ND
Nitrate	mg/L	2	17	16	15	14	14	12	14	12	11	10	9.3	21	22	20	16

Table 3

Constituents of Concern -- Metals and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-2															
	Date		6/09	9/09														
Parameter	Units	PQL																
Antimony	ug/L	2.5	ND	ND														
Arsenic	ug/L	2	ND	ND														
Barium	ug/L	2.5	88	84														
Beryllium	ug/L	0.5	ND	ND														
Cadmium	ug/L	0.5	ND	ND														
Chloride	mg/L	0.5	8.4	9.5														
Chromium, Total	ug/L	1	8.9	4.3														
Chromium VI	ug/L	0.3	3.5	3.9														
Cobalt	ug/L	0.5	ND	ND														
Copper	ug/L	2.5	ND	ND														
Fluoride	mg/L	0.5	ND	ND														
Iron	ug/L	20	270	11														
Lead	ug/L	1	ND	ND														
Mercury	ug/L	0.1	ND	ND														
Molybdenum	ug/L	0.5	3.4	4.2														
Nickel	ug/L	4	4	ND														
Selenium	ug/L	2	ND	ND														
Silver	ug/L	1	ND	ND														
Thallium	ug/L	1	ND	ND														
Vanadium	ug/L	2.5	10	12														
Zinc	ug/L	10	ND	ND														
pH	Units		8.2	8.2														
TDS	mg/L	10	230	250														
Aluminum	ug/L	10	230	ND														
Manganese	ug/L	10	71	ND														
Nitrate	mg/L	2	35	38														

Table 3

Constituents of Concern -- Metals and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-3														
	Date		6/02	9/02	12/02	3/03		6/03	9/03	1/04	3/04	6/04		9/04	12/04	3/05	6/05
Parameter	Units	PQL					PQL						PQL				
Antimony	ug/L	5	ND	ND	ND	ND	5	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND
Arsenic	ug/L	2	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	2	ND	ND	ND	ND
Barium	ug/L	0.5	77	97	53	50	0.5	35	83	37	37	34	2.5	53	47	47	52
Beryllium	ug/L	0.3	ND	ND	ND	ND	0.3	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND
Chloride	mg/L	0.5	11	56	65	12	0.5	14	17	100	88	96	0.5	130	140	120	150
Chromium, Total	ug/L	4	4.4	8.6	9	5	4	7.4	6.6	13	10	12	1	12	12	10	12
Chromium VI	ug/L	0.3	3.6	8.1	9.1	4.6	0.3	6.2	4.2	11	NT	10	0.3	9.8	12	11	12
Cobalt	ug/L	0.2	0.62	0.31	0.24	ND	0.2	0.45	ND	0.27	0.25	0.2	0.5	ND	ND	ND	ND
Copper	ug/L	2	ND	ND	2.6	ND	2	ND	6.6	ND	ND	ND	2.5	3.6	ND	ND	ND
Fluoride	mg/L	0.05	0.21	ND	ND	0.27	0.05	0.27	0.24	ND	ND	ND	0.5	ND	ND	ND	ND
Iron	ug/L	20	220	150	33	23	20	220	92	91	32	22	20	75	30	40	22
Lead	ug/L	1	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	1	ND	ND	ND	ND
Mercury	ug/L	0.1	ND	ND	ND	ND	0.1	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND
Molybdenum	ug/L	1	3.8	3.7	3.5	2.9	1	4.2	3.5	2.7	2.8	2.6	0.5	2.5	2.5	2.2	2
Nickel	ug/L	2	ND	ND	13	ND	2	ND	2	6.2	7.1	6.6	4	11	12	17	15
Selenium	ug/L	2	ND	ND	ND	ND	2	ND	ND	3.1	2.3	2.9	2	2.5	2.7	3.1	3.4
Silver	ug/L	0.5	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	1	ND	ND	ND	ND
Thallium	ug/L	0.5	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	1	ND	ND	ND	ND
Vanadium	ug/L	5	11	11	9.2	9.4	3	12	9.1	7.8	8.2	7.9	2.5	10	6.8	8	8.6
Zinc	ug/L	10	ND	14	16	ND	10	18	31	ND	ND	ND	10	19	ND	ND	ND
pH	Units		7.3	7.5	7.3	7.3		7.5	7.7	7.7	7.6	7.7		7.6	7.6	7.8	7.4
TDS	mg/L	10	240	490	580	240	10	260	260	440	730	840	10	1,000	990	1,000	1,300
Aluminum	ug/L	10	120	100	79	35	10	210	42	64	21	ND	10	93	ND	ND	ND
Manganese	ug/L	10	110	130	17	30	10	32	23	ND	ND	ND	10	14	ND	ND	ND
Nitrate	mg/L	2	38	14	15	42	2	41	28	22	26	25	2	21	21	20	19

Table 3

Constituents of Concern -- Metals and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-3													
	Date		9/05	12/05	3/06	6/06	9/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09
Parameter	Units	PQL															
Antimony	ug/L	2.5	ND	ND	ND	ND	ND	ND	3.9	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	ug/L	2.5	32	27	26	25	29	32	34	36	68	47	42	47	72	65	60
Beryllium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/L	0.5	130	130	72	61	60	51	86	75	44	74	100	110	44	99	100
Chromium, Total	ug/L	1	15	20	29	28	31	24	27	28	14	23	30	24	11	15	13
Chromium VI	ug/L	0.3	13	19	29	29	28	22	26	27	14	24	27	23	9.4	16	14
Cobalt	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.55
Copper	ug/L	2.5	ND	ND	ND	ND	4.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoride	mg/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	ug/L	20	25	27	28	ND	65	ND	ND	ND	96	ND	21	ND	550	260	340
Lead	ug/L	1	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	ug/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	ug/L	0.5	2.3	2	2.2	2.3	2.3	3	2.6	2.5	3.2	2.1	2.2	2.2	2.8	2.2	2.3
Nickel	ug/L	4	19	14	12	11	8.5	6.7	4.6	4.8	ND	5.8	7.2	7.4	ND	4.8	7.8
Selenium	ug/L	2	3.2	2	ND	2	ND	ND	ND	ND	ND	ND	2	3	ND	2.1	2.2
Silver	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ug/L	2.5	11	7.3	11	9.5	9.2	8.8	10	10	10	9	10	6.8	12	10	8.7
Zinc	ug/L	10	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH	Units		7.5	6.8	7.7	7.6	8.1	7.9	7.8	8.0	7.8	7.9	7.9	7.9	7.9	7.8	7.8
TDS	mg/L	10	1,200	910	890	600	710	540	550	690	450	480	630	700	670	820	720
Aluminum	ug/L	10	ND	ND	ND	ND	72	ND	ND	ND	80	ND	ND	ND	810	170	200
Manganese	ug/L	10	ND	ND	ND	ND	11	ND	ND	ND	19	ND	ND	ND	22	21	38
Nitrate	mg/L	2	16	14	13	13	14	12	12	15	13	17	15	16	17	17	18

Table 3

Constituents of Concern -- Metals and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-3															
	Date		6/09	9/09	12/09													
Parameter	Units	PQL																
Antimony	ug/L	2.5	ND	ND	ND													
Arsenic	ug/L	2	ND	ND	ND													
Barium	ug/L	2.5	86	88	52													
Beryllium	ug/L	0.5	ND	ND	ND													
Cadmium	ug/L	0.5	ND	ND	ND													
Chloride	mg/L	0.5	91	40	33													
Chromium, Total	ug/L	1	11	7	6.7													
Chromium VI	ug/L	0.3	10	6.8	6.3													
Cobalt	ug/L	0.5	ND	ND	ND													
Copper	ug/L	2.5	ND	ND	ND													
Fluoride	mg/L	0.5	ND	ND	ND													
Iron	ug/L	20	130	100	45													
Lead	ug/L	1	ND	ND	ND													
Mercury	ug/L	0.1	ND	ND	ND													
Molybdenum	ug/L	0.5	3.5	3.4	3.2													
Nickel	ug/L	4	ND	ND	ND													
Selenium	ug/L	2	ND	ND	ND													
Silver	ug/L	1	ND	ND	ND													
Thallium	ug/L	1	ND	ND	ND													
Vanadium	ug/L	2.5	9.9	12	9.4													
Zinc	ug/L	10	ND	ND	ND													
pH	Units		7.8	7.9	7.5													
TDS	mg/L	10	750	600	400													
Aluminum	ug/L	10	73	73	32													
Manganese	ug/L	10	13	27	ND													
Nitrate	mg/L	2	17	16	12													

Table 3

Constituents of Concern -- Metal and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-4														
	Date		6/02	9/02	12/02	3/03		6/03	9/03	1/04	3/04	6/04		9/04	12/04	3/05	6/05
Parameter	Units	PQL					PQL						PQL				
Antimony	ug/L	5	ND	ND	ND	ND	5	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND
Arsenic	ug/L	2	2.8	ND	ND	ND	2	ND	ND	ND	ND	ND	2	ND	ND	ND	ND
Barium	ug/L	0.5	68	58	100	120	0.5	150	92	87	81	73	2.5	74	66	65	71
Beryllium	ug/L	0.3	ND	ND	ND	ND	0.3	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND
Chloride	mg/L	0.5	11	38	130	190	0.5	230	220	220	190	190	0.5	180	200	170	180
Chromium, Total	ug/L	4	ND	ND	6.7	5	4	43	230	120	79	35	1	31	28	25	160
Chromium VI	ug/L	0.3	ND	0.36	6.6	4.4	0.3	7.7	7.5	2.3	NT	17	0.3	25	23	26	23
Cobalt	ug/L	0.2	1.4	0.32	ND	0.32	0.2	3	3.9	2.4	1.4	0.53	0.5	ND	ND	ND	2.2
Copper	ug/L	2	4.1	ND	2.3	ND	2	7.4	5.3	5.5	ND	2.2	2.5	ND	ND	ND	7.7
Fluoride	mg/L	0.05	0.29	ND	ND	0.19	0.05	0.18	0.1	ND	ND	ND	0.5	ND	ND	ND	ND
Iron	ug/L	20	1,300	490	68	62	20	3,800	970	1,100	590	140	20	58	34	35	2,700
Lead	ug/L	1	1.8	ND	ND	ND	1	5	ND	3.2	1.7	1.6	1	1.2	ND	ND	4
Mercury	ug/L	0.1	ND	ND	ND	ND	0.1	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND
Molybdenum	ug/L	1	7.7	2.8	2	2.1	1	6.1	36	9.9	7.4	3.5	0.5	6.6	2.8	2.4	5.9
Nickel	ug/L	2	17	9.1	3.8	11	2	44	170	98	50	19	4	19	9.8	12	15
Selenium	ug/L	2	ND	ND	ND	ND	2	4.7	9.3	5.6	3	3.6	2	2.8	3.7	4.1	3.7
Silver	ug/L	0.5	ND	ND	ND	ND	0.5	1.3	ND	0.95	ND	ND	1	ND	ND	ND	1.4
Thallium	ug/L	0.5	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	1	ND	ND	ND	ND
Vanadium	ug/L	5	6.8	ND	ND	ND	3	13	ND	4.9	5.1	3.8	2.5	8	4.5	5.3	10
Zinc	ug/L	10	150	470	250	240	10	120	13	16	ND	ND	10	14	ND	ND	30
pH	Units		7.1	7.1	7.2	7.0		7.2	7.3	7.2	7.0	7.2		6.9	7.0	7.2	7.4
TDS	mg/L	10	380	540	820	1,000	10	1,200	1,200	980	1,100	1,200	10	1,100	1,100	1,100	1,200
Aluminum	ug/L	10	880	28	48	19	10	2,600	69	260	55	14	10	43	ND	ND	770
Manganese	ug/L	10	340	77	13	11	10	380	35	44	19	ND	10	ND	ND	ND	140
Nitrate	mg/L	2	1.4	4.9	7.6	9.4	2	12	10	11	14	12	2	13	14	13	14

Table 3

Constituents of Concern -- Metal and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-4													
	Date		9/05	12/05	3/06	6/06	9/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09
Parameter	Units	PQL															
Antimony	ug/L	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ug/L	2	ND	ND	ND	ND	ND	ND	ND	2.4	ND	ND	ND	ND	ND	ND	ND
Barium	ug/L	2.5	36	37	51	57	59	59	54	52	53	56	57	47	53	45	44
Beryllium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/L	0.5	65	83	100	110	120	120	130	140	150	160	160	190	190	180	170
Chromium, Total	ug/L	1	23	14	21	22	25	26	21	26	22	34	29	21	21	21	17
Chromium VI	ug/L	0.3	9.7	12	18	21	21	20	21	21	21	21	21	20	19	20	17
Cobalt	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	ug/L	2.5	2.7	ND	ND	ND	ND	ND	ND	ND	ND	3.3	ND	ND	ND	ND	ND
Fluoride	mg/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	ug/L	20	200	29	27	ND	ND	26	ND	ND	ND	470	80	ND	ND	13	ND
Lead	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.3	ND	ND	ND	ND	ND
Mercury	ug/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	ug/L	0.5	3.8	3.5	2.7	2.2	2.4	2.8	2.2	2.2	2.3	1.7	2.4	1.9	2.2	2.3	2.3
Nickel	ug/L	4	11	8.1	10	11	5.2	6	ND	ND	ND	9.4	5.5	5.3	ND	ND	5.2
Selenium	ug/L	2	ND	ND	2.3	2.5	2.3	2.7	ND	3	2.6	2	2.9	3.5	3	3	2.7
Silver	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ug/L	2.5	11	7.8	9.3	8.2	6.6	6.8	8	8.4	7.8	8.5	8.2	4.6	7.4	7.9	6.3
Zinc	ug/L	10	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH	Units		7.2	6.7	7.4	7.0	7.8	7.8	7.7	7.8	7.8	7.8	7.7	7.7	7.8	7.7	7.7
TDS	mg/L	10	680	650	800	820	1,200	960	950	1,100	890	1,300	1,000	1,200	1,200	1,100	1,000
Aluminum	ug/L	10	110	ND	ND	ND	ND	ND	ND	ND	ND	87	36	ND	ND	ND	ND
Manganese	ug/L	10	12	ND	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND
Nitrate	mg/L	2	11	12	13	14	15	15	14	17	16	16	14	15	14	14	15

Table 3

Constituents of Concern -- Metal and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-4															
	Date		6/09	9/09	12/09													
Parameter	Units	PQL																
Antimony	ug/L	2.5	ND	ND	ND													
Arsenic	ug/L	2	ND	ND	ND													
Barium	ug/L	2.5	64	48	41													
Beryllium	ug/L	0.5	ND	ND	ND													
Cadmium	ug/L	0.5	ND	ND	ND													
Chloride	mg/L	0.5	170	170	140													
Chromium, Total	ug/L	1	19	19	21													
Chromium VI	ug/L	0.3	19	19	20													
Cobalt	ug/L	0.5	ND	ND	ND													
Copper	ug/L	2.5	ND	ND	ND													
Fluoride	mg/L	0.5	ND	ND	ND													
Iron	ug/L	20	26	ND	ND													
Lead	ug/L	1	ND	ND	ND													
Mercury	ug/L	0.1	ND	ND	ND													
Molybdenum	ug/L	0.5	4	2.1	2.2													
Nickel	ug/L	4	ND	ND	4.2													
Selenium	ug/L	2	2.2	3	2.6													
Silver	ug/L	1	ND	ND	ND													
Thallium	ug/L	1	ND	ND	ND													
Vanadium	ug/L	2.5	8.9	8	6.6													
Zinc	ug/L	10	ND	ND	ND													
pH	Units		7.6	7.7	7.3													
TDS	mg/L	10	1,100	1,100	1,100													
Aluminum	ug/L	10	ND	ND	ND													
Manganese	ug/L	10	ND	ND	ND													
Nitrate	mg/L	2	14	15	14													

Table 3

Constituents of Concern -- Metal and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-5														
	Date		3/03		6/03	9/03	1/04	3/04	6/04		9/04	12/04	3/05	6/05	9/05	12/05	3/06
Parameter	Units	PQL		PQL						PQL							
Antimony	ug/L	5	ND	5	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND
Arsenic	ug/L	2	ND	2	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND
Barium	ug/L	0.5	92	0.5	99	84	92	90	88	2.5	77	88	99	89	72	74	78
Beryllium	ug/L	0.3	ND	0.3	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	0.5	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/L	0.5	13	0.5	23	17	14	14	20	0.5	16	12	12	12	12	14	19
Chromium, Total	ug/L	4	4.4	4	ND	6	6	4.3	4.9	1	4.2	4.8	6.4	4.9	4.4	6.3	7.9
Chromium VI	ug/L	0.3	3.9	0.3	2.8	3.9	3.9	NT	4.6	0.3	4.4	4.2	4.6	4.6	3.7	3.6	6.7
Cobalt	ug/L	0.2	ND	0.2	ND	ND	0.34	ND	ND	0.5	ND	ND	ND	ND	ND	ND	ND
Copper	ug/L	2	ND	2	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND
Fluoride	mg/L	0.05	0.23	0.05	0.29	0.47	ND	ND	ND	0.5	ND	ND	ND	ND	ND	ND	ND
Iron	ug/L	20	ND	20	24	43	450	23	ND	20	ND	24	830	ND	27	820	380
Lead	ug/L	1	ND	1	ND	ND	ND	ND	ND	1	ND	ND	1.1	ND	ND	ND	ND
Mercury	ug/L	0.1	ND	0.1	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND	ND	ND	ND
Molybdenum	ug/L	1	3.6	1	3.8	3.9	4.4	4.3	3.6	0.5	3.5	3.6	3.9	4.3	3.5	3.6	3.3
Nickel	ug/L	2	ND	2	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	ND
Selenium	ug/L	2	ND	2	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	0.5	ND	0.5	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND
Thallium	ug/L	0.5	ND	0.5	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND
Vanadium	ug/L	5	9.6	3	8.9	7.8	12	10	8.4	2.5	11	8.2	12	11	12	11	13
Zinc	ug/L	10	ND	10	60	ND	11	ND	ND	10	15	ND	ND	ND	ND	ND	ND
pH	Units		7.3		7.3	7.4	7.3	7.5	7.1		7.5	7.4	7.5	7.5	7.5	7.1	8.0
TDS	mg/L	10	240	10	250	250	200	240	250	10	240	240	250	220	250	210	220
Aluminum	ug/L	10	30	10	110	78	250	21	13	10	ND	ND	440	ND	ND	460	140
Manganese	ug/L	10	33	10	ND	ND	37	ND	ND	10	ND	ND	63	ND	ND	63	33
Nitrate	mg/L	2	40	2	22	31	40	34	20	2	34	53	49	48	26	21	16

Table 3

Constituents of Concern -- Metal and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-5														
	Date		6/06	9/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09	6/09	9/09	12/09
Parameter	Units	PQL															
Antimony	ug/L	2.5	ND	ND	ND	4.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	ug/L	2.5	86	95	83	84	92	83	130	73	75	95	72	74	62	82	80
Beryllium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloride	mg/L	0.5	22	20	13	13	23	20	6.5	6.8	21	28	7.7	8.3	8.7	14	10
Chromium, Total	ug/L	1	4.3	6	5.1	4.2	5.2	4.1	7	3.3	4.7	6.6	3.6	3.9	12	3.8	4.1
Chromium VI	ug/L	0.3	4.7	5.9	4.7	4.1	4.9	4.2	3.6	3.4	4.3	6.6	3.6	3.5	3.4	4.2	3.9
Cobalt	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	ug/L	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Fluoride	mg/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	ug/L	20	ND	ND	54	ND	ND	ND	29	21	ND	150	40	110	10	ND	ND
Lead	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Mercury	ug/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	ug/L	0.5	3.4	3.2	3.9	3.9	3.2	3.4	9.2	4.2	3.6	2.9	4.1	4	3.1	3.5	4.2
Nickel	ug/L	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	ug/L	2	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ug/L	2.5	10	8.6	10	11	11	10	22	12	8.9	10	11	11	8.3	11	9.2
Zinc	ug/L	10	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH	Units		7.5	7.8	7.9	7.7	7.9	7.8	8.0	7.8	7.9	7.9	7.7	7.8	7.8	8.2	7.6
TDS	mg/L	10	230	250	180	200	240	270	210	170	170	220	210	200	220	240	230
Aluminum	ug/L	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	25	48	ND	ND	ND
Manganese	ug/L	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	10	9	ND	ND	ND
Nitrate	mg/L	2	18	24	21	17	21	18	11	19	21	23	27	35	39	39	34

Table 3

Constituents of Concern -- Metal and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-6														
	Date		9/02	12/02	3/03		6/03	9/03	1/04	3/04	6/04		9/04	12/04	3/05	6/05	9/05
Parameter	Units	PQL				PQL						PQL					
Antimony	ug/L	5	ND	ND	ND	5	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND
Arsenic	ug/L	2	ND	3.4	ND	2	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND
Barium	ug/L	0.5	520	9,700	510	0.5	1,100	830	200	210	160	2.5	170	160	170	300	190
Beryllium	ug/L	0.3	ND	ND	ND	0.3	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	ND	ND	0.5	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND
Chloride	mg/L	0.5	29	31	22	0.5	35	26	22	17	18	0.5	24	20	19	21	31
Chromium, Total	ug/L	4	ND	ND	4	4	ND	9.4	5.6	5.1	6.5	1	6.9	6	5.3	18	8.1
Chromium VI	ug/L	0.3	ND	ND	3.4	0.3	0.49	2.5	4.6	NT	4.7	0.3	5.9	5.5	6.1	4.8	6.7
Cobalt	ug/L	0.2	4	5.6	0.2	0.2	0.29	0.45	ND	ND	ND	0.5	ND	ND	ND	ND	ND
Copper	ug/L	2	ND	3.3	ND	2	2.4	17	ND	ND	ND	2.5	ND	ND	ND	2.9	ND
Fluoride	mg/L	0.05	ND	ND	0.29	0.05	0.28	0.26	ND	ND	ND	0.5	ND	ND	ND	ND	ND
Iron	ug/L	20	1,700	24,000	54	20	140	850	55	73	ND	20	20	35	34	620	ND
Lead	ug/L	1	ND	ND	ND	1	ND	ND	ND	ND	ND	1	3.4	ND	ND	ND	ND
Mercury	ug/L	0.1	ND	ND	ND	0.1	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND	ND
Molybdenum	ug/L	1	3.7	1.6	3.9	1	3.1	3.5	3.6	3.9	3.8	0.5	4.2	3.7	4.1	4.9	3.9
Nickel	ug/L	2	6.6	3.9	2.6	2	ND	3.1	ND	11	3.3	4	ND	4.7	4.9	6.8	ND
Selenium	ug/L	2	ND	ND	ND	2	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND
Silver	ug/L	0.5	ND	ND	ND	0.5	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND
Thallium	ug/L	0.5	ND	ND	ND	0.5	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND
Vanadium	ug/L	5	ND	ND	7.4	3	4.4	7	8.1	9.7	7.3	2.5	10	8.5	8.9	12	13
Zinc	ug/L	10	ND	15	210	10	19	190	14	11	ND	10	21	ND	ND	16	ND
pH	Units		6.8	6.4	7.2		6.9	7.2	7.3	7.1	7.4		7.5	7.2	7.6	7.7	7.2
TDS	mg/L	10	430	680	280	10	330	280	230	280	270	10	270	260	270	250	260
Aluminum	ug/L	10	20	24	98	10	39	420	15	18	ND	10	ND	ND	ND	100	ND
Manganese	ug/L	10	1,700	6,400	120	10	360	190	ND	ND	ND	10	ND	ND	ND	73	ND
Nitrate	mg/L	2	ND	ND	20	2	13	17	24	26	26	2	25	26	26	25	23

Table 3

Constituents of Concern -- Metal and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-6													
	Date		12/05	3/06	6/06	9/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08		
Parameter	Units	PQL														
Antimony	ug/L	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Arsenic	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Barium	ug/L	2.5	150	130	170	200	170	130	160	130	160	150	160	77		
Beryllium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Cadmium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Chloride	mg/L	0.5	22	22	35	56	37	28	43	37	46	37	43	16		
Chromium, Total	ug/L	1	5	4.4	6.8	9.3	7.3	5.2	8.2	8.4	14	8.6	11	4.6		
Chromium VI	ug/L	0.3	4.6	4.5	7.1	8.3	6.4	5.2	7.2	7.4	13	8.4	9.4	4.6		
Cobalt	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Copper	ug/L	2.5	ND	ND	ND	ND	2.5	ND	ND	3	ND	ND	ND	ND		
Fluoride	mg/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Iron	ug/L	20	43	ND	ND	ND	ND	ND	ND	34	32	20	ND	63		
Lead	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Mercury	ug/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Molybdenum	ug/L	0.5	4	4.1	3.4	3.1	3.5	3.4	3.3	3.7	5	3.4	3.6	3.8		
Nickel	ug/L	4	ND	ND	ND	ND	ND	ND	ND	ND	8.7	ND	19	ND		
Selenium	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Silver	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Thallium	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Vanadium	ug/L	2.5	8.3	11	9.9	7.8	9	9.7	10	11	9.5	11	8.1	12		
Zinc	ug/L	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
pH	Units		6.2	7.3	7.2	7.9	7.8	7.5	7.9	8.0	8.0	7.7	8.0	8.1		
TDS	mg/L	10	260	260	280	330	310	260	300	300	370	290	280	180		
Aluminum	ug/L	10	ND	65	ND	72	ND	ND	ND	ND	ND	ND	ND	58		
Manganese	ug/L	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20		
Nitrate	mg/L	2	27	28	22	22	23	24	27	20	23	23	23	21		

Table 4

Constituents of Concern -- VOC (EPA Method 8260) Parameters
Etiwanda Generating Station

	Well ID		EW-1															
	Date		6/02	9/02	12/02	3/03	6/03	9/03	1/04	3/04	6/04	9/04	12/04	3/05	6/05	9/05	12/05	3/06	6/06
Parameter	Units	PQL																	
Bromoform	ug/L	1	[4.3]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	1	[1.5]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

	Well ID		EW-1															
	Date		9/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09	6/09	9/09	12/09			
Parameter	Units	PQL																	
Bromoform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Dibromochloromethane	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
2-Butanone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Acetone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
p-Isopropyltoluene	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Chloroform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			

[ ] denotes detection in trip blank

Table 4

Constituents of Concern -- VOC (EPA Method 8260) Parameters
Etiwanda Generating Station

	Well ID		EW-2															
	Date		6/02	9/02	12/02	3/03	6/03	9/03	1/04	3/04	6/04	9/04	12/04	3/05	6/05	9/05	12/05	3/06	6/06
Parameter	Units	PQL																	
Bromoform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	1	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	1.1	ND

	Well ID		EW-2															
	Date		9/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09	6/09	9/09			
Parameter	Units	PQL																
Bromoform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Dibromochloromethane	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
2-Butanone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Acetone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
p-Isopropyltoluene	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Chloroform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			

[ ] denotes detection in trip blank

Table 4

Constituents of Concern -- VOC (EPA Method 8260) Parameters
Etiwanda Generating Station

	Well ID		EW-3															
	Date		6/02	9/02	12/02	3/03	6/03	9/03	1/04	3/04	6/04	9/04	12/04	3/05	6/05	9/05	12/05	3/06	6/06
Parameter	Units	PQL																	
Bromoform	ug/L	1	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

	Well ID		EW-3															
	Date		9/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09	6/09	9/09	12/09			
Parameter	Units	PQL																	
Bromoform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Dibromochloromethane	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
2-Butanone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Acetone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
p-Isopropyltoluene	ug/L	1	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Chloroform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			

[ ] denotes detection in trip blank

Table 4

Constituents of Concern -- VOC (EPA Method 8260) Parameters
Etiwanda Generating Station

	Well ID		EW-4															
	Date		6/02	9/02	12/02	3/03	6/03	9/03	1/04	3/04	6/04	9/04	12/04	3/05	6/05	9/05	12/05	3/06	6/06
Parameter	Units	PQL																	
Bromoform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	1	3.9	ND	6.7	7.1	4.7	4.6	5.2	4.4	3.7	3.9	4.2	3.4	3.6	ND	ND	1.2	1.1

	Well ID		EW-4															
	Date		9/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09	6/09	9/09	12/09			
Parameter	Units	PQL																	
Bromoform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Dibromochloromethane	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
2-Butanone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Acetone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
p-Isopropyltoluene	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Chloroform	ug/L	1	1.3	1	1.2	1.5	1.2	1.8	2	1.8	2.2	2.1	1.8	2.4	2.4	2			

[ ] denotes detection in trip blank

Table 4

Constituents of Concern -- VOC (EPA Method 8260) Parameters
Etiwanda Generating Station

	Well ID		EW-5															
	Date		3/03	6/03	9/03	1/04	3/04	6/04	9/04	12/04	3/05	6/05	9/05	12/05	3/06	6/06	9/06	12/06	3/07
Parameter	Units	PQL																	
Bromoform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

	Well ID		EW-5															
	Date		6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09	6/09	9/09	12/09					
Parameter	Units	PQL																
Bromoform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Dibromochloromethane	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
2-Butanone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Acetone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
p-Isopropyltoluene	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Chloroform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					

[ ] denotes detection in trip blank

Table 4

Constituents of Concern -- VOC (EPA Method 8260) Parameters
Etiwanda Generating Station

	Well ID		EW-6															
	Date		9/02	12/02	3/03	6/03	9/03	1/04	3/04	6/04	9/04	12/04	3/05	6/05	9/05	12/05	3/06	6/06	9/06
Parameter	Units	PQL																	
Bromoform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	5	ND	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ug/L	5	ND	5.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

	Well ID		EW-6																
	Date		12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08									
Parameter	Units	PQL																	
Bromoform	ug/L	1	1.3	ND	ND	ND	ND	ND	ND	ND									
Dibromochloromethane	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND									
2-Butanone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND									
Acetone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND									
p-Isopropyltoluene	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND									
Chloroform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND									

[ ] denotes detection in trip blank

Table 5

General Mineral Parameters
Etiwanda Generating Station

	Well ID	EW-1															
	Date	6/02	9/02	12/02	3/03	6/03	9/03	1/04	3/04	6/04	9/04	12/04	3/05	6/05	9/05	12/05	3/06
Parameter	Units																
pH	Units	7.2	7.2	7.4	7.4	7.6	7.5	7.6	7.5	7.4	7.5	7.4	8.0	7.5	7.6	7.1	7.9
E.C.	umhos	360	370	380	350	360	340	330	390	380	370	350	360	390	360	330	500
TDS	mg/L	250	250	240	230	250	230	200	240	240	240	220	250	220	210	230	330
Calcium	mg/L	38	43	43	38	44	39	40	45	45	40	44	46	45	43	38	58
Magnesium	mg/L	7.4	8.7	7.8	7.7	7.5	7.3	7.4	7.8	8.9	7.6	7.9	8.5	8.4	7.5	6.4	11
Sodium	mg/L	24	20	20	19	20	18	19	19	22	18	18	19	21	17	15	26
Potassium	mg/L	2	1.8	1.6	1.9	1.7	2.1	1.7	1.8	2	2.1	2.1	2.2	2.1	1.8	1.4	1.8
Bicarbonate	mg/L	140	140	140	140	140	140	140	150	160	150	140	140	130	100	130	180
Sulfate	mg/L	17	17	16	18	16	18	18	17	14	15	14	14	15	17	26	21
Chloride	mg/L	13	22	24	9.8	20	13	19	25	20	16	16	11	31	11	18	40
Nitrate	mg/L	35	26	22	37	30	30	18	18	20	32	37	49	19	29	25	28
Fluoride	mg/L	0.22	ND	ND	0.22	0.29	0.23	ND	ND	ND	ND	ND	0.33	ND	ND	ND	ND
Aluminum	ug/L	18	10	30	ND	11	15	ND	13	18	ND	ND	530	170	ND	130	170
Manganese	ug/L	15	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	85	28	ND	17	ND

Table 5

General Mineral Parameters
Etiwanda Generating Station

	Well ID	EW-1														
	Date	6/06	9/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09	6/09	9/09	12/09
Parameter	Units															
pH	Units	7.3	8.0	8.0	8.1	8.0	8.2	8.4	8.1	7.9	8.2	7.9	8.1	8.1	8.2	8.0
E.C.	umhos	330	420	330	310	340	390	340	290	280	340	360	310	320	340	320
TDS	mg/L	230	290	230	220	230	280	290	160	160	180	230	190	230	240	210
Calcium	mg/L	38	45	39	39	44	39	35	34	30	40	37	34	90	40	40
Magnesium	mg/L	6.9	8.2	7.1	7.2	8	7	6.3	6	5.5	7.4	6.7	6.2	19	7.3	6.9
Sodium	mg/L	17	19	17	20	20	17	15	15	16	17	16	15	25	17	17
Potassium	mg/L	1.1	1.3	1.6	1.8	1.7	1.7	1.4	1.6	1.5	1.7	1.7	1.7	2.1	1.7	2.1
Bicarbonate	mg/L	130	130	180	130	130	140	140	110	130	120	130	110	120	120	120
Sulfate	mg/L	17	52	20	23	18	20	22	32	21	22	18	27	22	23	21
Chloride	mg/L	21	24	14	13	23	21	18	6.6	8.2	18	27	7.9	8.7	12	11
Nitrate	mg/L	16	14	16	18	16	20	18	18	10	20	25	27	35	38	21
Fluoride	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	380	45	ND	200	ND	ND
Manganese	ug/L	ND	ND	ND	ND	31	ND	ND	ND	ND	22	6	15	69	ND	ND

Table 5

General Mineral Parameters
Etiwanda Generating Station

	Well ID	EW-2															
	Date	6/02	9/02	12/02	3/03	6/03	9/03	1/04	3/04	6/04	9/04	12/04	3/05	6/05	9/05	12/05	3/06
Parameter	Units																
pH	Units	7.3	7.1	7.6	7.3	7.3	7.6	7.6	7.7	7.6	7.6	7.7	7.6	7.6	7.5	7.0	7.6
E.C.	umhos	370	430	260	300	260	260	120	290	300	280	260	280	360	640	670	730
TDS	mg/L	270	310	180	200	180	180	140	190	200	180	170	180	220	410	470	540
Calcium	mg/L	39	62	29	27	27	28	28	30	33	29	29	32	51	85	89	89
Magnesium	mg/L	8.3	14	5.4	5.6	4.7	5.4	5.4	5.4	6.5	5.7	5.6	6.2	10	16	16	17
Sodium	mg/L	28	23	16	15	16	16	16	16	19	16	17	18	23	30	28	33
Potassium	mg/L	2.6	1.9	1.2	1.7	1.3	1.7	1.4	1.5	1.7	2.1	1.3	2	2	2.4	2.3	2.2
Bicarbonate	mg/L	150	140	110	120	110	110	120	110	120	120	110	110	110	100	100	170
Sulfate	mg/L	18	68	23	22	20	17	20	22	22	24	18	20	62	140	150	140
Chloride	mg/L	10	37	12	9.6	7.7	7.8	7.6	8.6	19	8.6	9	12	39	74	85	58
Nitrate	mg/L	35	20	9.5	11	15	13	12	17	11	13	11	12	14	17	16	15
Fluoride	mg/L	0.24	ND	ND	0.24	0.3	0.19	ND	ND	ND	ND	ND	0.22	ND	ND	ND	ND
Aluminum	ug/L	900	51	250	ND	170	100	24	ND	10	57	ND	ND	ND	ND	ND	ND
Manganese	ug/L	120	110	15	ND	21	67	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Table 5

General Mineral Parameters
Etiwanda Generating Station

	Well ID	EW-2															
	Date	6/06	9/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09	6/09	9/09		
Parameter	Units																
pH	Units	7.4	8.0	7.8	7.9	7.8	8.0	8.0	8.0	8.1	7.9	8.2	8.1	8.2	8.2		
E.C.	umhos	550	430	380	560	330	320	300	280	300	420	370	280	330	340		
TDS	mg/L	340	300	250	360	240	220	220	170	170	210	230	170	230	250		
Calcium	mg/L	60	48	44	74	35	34	31	32	36	46	30	31	92	41		
Magnesium	mg/L	11	9.8	8.7	14	6.4	6.1	5.5	5.6	6.5	8.4	5.7	5.8	19	7.3		
Sodium	mg/L	24	20	20	35	17	15	15	16	17	19	15	17	26	18		
Potassium	mg/L	1.2	1.5	1.7	2.2	1.4	1.6	1.3	1.5	1.5	1.8	2	1.7	2	1.7		
Bicarbonate	mg/L	140	130	180	150	130	130	130	130	120	150	120	120	120	120		
Sulfate	mg/L	93	57	45	120	29	32	19	23	26	16	19	21	23	22		
Chloride	mg/L	33	22	17	31	12	10	7.8	8.8	15	29	15	8.5	8.4	10		
Nitrate	mg/L	14	14	12	14	12	11	10	9.3	21	22	20	16	35	38		
Fluoride	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND		
Aluminum	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	140	ND	ND	230	ND		
Manganese	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	16	9	ND	71	ND		

Table 5

General Mineral Parameters
Etiwanda Generating Station

	Well ID	EW-3															
	Date	6/02	9/02	12/02	3/03	6/03	9/03	1/04	3/04	6/04	9/04	12/04	3/05	6/05	9/05	12/05	3/06
Parameter	Units																
pH	Units	7.3	7.5	7.3	7.3	7.5	7.7	7.7	7.6	7.7	7.6	7.6	7.8	7.4	7.5	6.8	7.7
E.C.	umhos	350	700	850	360	380	360	690	1,100	1,100	1,400	1,300	1,400	1,800	1,700	1,400	1,100
TDS	mg/L	240	490	580	240	260	260	440	730	840	1,000	990	1,000	1,300	1,200	910	890
Calcium	mg/L	40	90	110	39	46	40	150	140	150	180	190	200	230	220	190	140
Magnesium	mg/L	7.7	21	24	8.4	9	7.4	35	30	36	43	47	50	55	49	41	33
Sodium	mg/L	17	27	30	16	212	20	40	38	41	45	50	45	54	54	42	43
Potassium	mg/L	2	2.1	2.2	2	1.5	2.1	2.7	2.6	3.1	3.2	4.4	3.4	3.5	3.5	3.3	2.6
Bicarbonate	mg/L	130	160	170	140	140	140	140	160	150	140	120	140	150	170	170	170
Sulfate	mg/L	15	140	160	15	23	17	280	270	310	400	470	430	560	490	460	340
Chloride	mg/L	11	56	65	12	14	17	100	88	96	130	140	120	150	130	130	72
Nitrate	mg/L	38	14	15	42	41	28	22	26	25	21	21	20	19	16	14	13
Fluoride	mg/L	0.21	ND	ND	0.27	0.27	0.24	ND	ND	ND	ND	ND	0.18	ND	ND	ND	ND
Aluminum	ug/L	120	100	79	35	210	42	64	21	ND	93	ND	ND	ND	ND	ND	ND
Manganese	ug/L	110	130	17	30	32	23	ND	ND	ND	14	ND	ND	ND	ND	ND	ND

Table 5

General Mineral Parameters
Etiwanda Generating Station

	Well ID	EW-3														
	Date	6/06	9/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09	6/09	9/09	12/09
Parameter	Units															
pH	Units	7.6	8.1	7.9	7.8	8.0	7.8	7.9	7.9	7.9	7.9	7.8	7.8	7.6	7.9	7.5
E.C.	umhos	980	930	770	800	900	710	690	1,100	1,200	1,100	1,200	1,200	1,200	660	600
TDS	mg/L	600	710	540	550	690	450	480	630	700	670	820	720	750	600	400
Calcium	mg/L	110	120	92	110	100	71	120	160	160	74	160	180	80	83	78
Magnesium	mg/L	28	29	22	24	24	15	27	36	36	15	36	40	17	17	16
Sodium	mg/L	38	40	33	36	32	25	35	41	39	23	37	45	23	28	24
Potassium	mg/L	2.2	2.5	2.3	2.5	2.2	2	2.4	2.8	2.8	2.1	3.5	3.6	1.9	2.6	2.7
Bicarbonate	mg/L	140	140	180	150	140	130	140	170	170	160	150	160	150	140	140
Sulfate	mg/L	290	270	190	230	230	120	240	360	370	97	320	390	300	130	100
Chloride	mg/L	61	60	51	86	75	44	74	100	110	44	99	100	91	40	33
Nitrate	mg/L	13	14	12	12	15	13	17	15	16	17	17	18	17	16	12
Fluoride	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	ug/L	ND	72	ND	ND	ND	80	ND	ND	ND	810	170	200	73	73	32
Manganese	ug/L	ND	29	ND	ND	ND	19	ND	ND	ND	22	21	38	13	27	ND

Table 5

General Mineral Parameters
Etiwanda Generating Station

	Well ID	EW-4															
	Date	6/02	9/02	12/02	3/03	6/03	9/03	1/04	3/04	6/04	9/04	12/04	3/05	6/05	9/05	12/05	3/06
Parameter	Units																
pH	Units	7.1	7.1	7.2	7.0	7.2	7.3	7.2	7.0	7.2	6.9	7.0	7.2	7.4	7.2	6.7	7.4
E.C.	umhos	600	780	1,200	1,400	1,600	1,600	1,700	1,700	1,600	1,700	1,600	1,600	1,700	1,100	890	1,000
TDS	mg/L	380	540	820	1,000	1,200	1,200	980	1,100	1,200	1,100	1,100	1,100	1,200	680	650	800
Calcium	mg/L	47	82	160	180	200	210	240	220	220	210	220	220	210	130	130	150
Magnesium	mg/L	9.1	16	28	42	37	41	46	42	45	42	45	45	54	26	26	33
Sodium	mg/L	87	72	50	61	43	47	48	49	50	51	57	47	43	36	33	43
Potassium	mg/L	3.2	2.5	3	4	4.3	3.5	3.6	3.7	4.2	3.9	4.8	3.8	3.7	3.1	3.3	3
Bicarbonate	mg/L	320	300	200	180	160	160	160	160	180	180	160	160	160	170	180	160
Sulfate	mg/L	33	120	280	330	390	360	380	380	370	380	420	380	400	240	290	370
Chloride	mg/L	11	38	130	190	230	220	220	190	190	180	200	170	180	65	83	100
Nitrate	mg/L	1.4	4.9	7.6	9.4	12	10	11	14	12	13	14	13	14	11	12	13
Fluoride	mg/L	0.29	ND	ND	0.19	0.18	0.1	ND	ND	ND	ND	ND	0.18	ND	ND	ND	ND
Aluminum	ug/L	880	28	48	19	2,600	69	260	55	14	43	ND	ND	770	110	ND	ND
Manganese	ug/L	340	77	13	11	380	35	44	19	ND	ND	ND	ND	140	12	ND	ND

Table 5

General Mineral Parameters
Etiwanda Generating Station

	Well ID	EW-4														
	Date	6/06	9/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09	6/09	9/09	12/09
Parameter	Units															
pH	Units	7.0	7.8	7.8	7.7	7.8	7.8	7.8	7.7	7.7	7.8	7.7	7.7	7.6	7.7	7.3
E.C.	umhos	1,300	1,400	1,300	1,400	1,500	1,400	1,600	1,800	1,700	1,700	1,600	1,500	1,800	1,600	1,600
TDS	mg/L	820	1,200	960	950	1,100	890	1,300	1,000	1,200	1,200	1,100	1,000	1,100	1,100	1,100
Calcium	mg/L	160	200	190	190	200	200	210	230	220	230	210	210	120	230	210
Magnesium	mg/L	35	42	40	40	40	40	42	45	43	46	43	43	24	46	42
Sodium	mg/L	47	50	56	49	47	45	45	49	46	43	46	56	30	54	45
Potassium	mg/L	3.3	3.7	3.4	3.6	3.2	3.3	3.2	3.5	4.2	3.3	4.6	5	2.3	4.6	4.3
Bicarbonate	mg/L	200	190	180	200	210	180	190	190	200	170	140	190	180	150	160
Sulfate	mg/L	370	400	370	390	380	410	450	450	470	460	410	410	420	440	390
Chloride	mg/L	110	120	120	130	140	150	160	160	190	190	180	170	170	170	140
Nitrate	mg/L	14	15	15	14	17	16	16	14	15	14	14	15	14	15	14
Fluoride	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	ug/L	ND	ND	ND	ND	ND	ND	87	36	ND	ND	ND	ND	ND	ND	ND
Manganese	ug/L	ND	ND	ND	ND	ND	ND	28	8	ND	ND	ND	ND	ND	ND	ND

Table 5

General Mineral Parameters
Etiwanda Generating Station

	Well ID	EW-5															
	Date	3/03	6/03	9/03	1/04	3/04	6/04	9/04	12/04	3/05	6/05	9/05	12/05	3/06	6/06	9/06	12/06
Parameter	Units																
pH	Units	7.3	7.3	7.4	7.3	7.5	7.1	7.5	7.4	7.5	7.5	7.5	7.1	8.0	7.5	7.8	7.9
E.C.	umhos	360	380	370	370	390	390	360	360	360	350	320	320	320	350	110	320
TDS	mg/L	240	250	250	200	240	250	240	240	250	220	250	210	220	230	250	180
Calcium	mg/L	40	42	41	42	45	43	40	43	45	44	38	35	36	40	45	38
Magnesium	mg/L	8	7.3	7.8	7.8	7.7	8.5	7.6	7.7	8.3	7.9	6.9	6.1	6.3	7.3	8.2	6.9
Sodium	mg/L	18	20	18	18	18	21	18	18	19	18	17	15	17	18	19	17
Potassium	mg/L	1.8	1.7	1.9	1.8	1.9	1.9	2.3	1.9	2	2	1.6	1.4	1.5	1.2	1.3	1.7
Bicarbonate	mg/L	140	150	140	140	140	170	140	130	130	120	130	130	110	130	130	180
Sulfate	mg/L	16	16	14	13	16	14	21	17	14	16	21	24	17	17	17	20
Chloride	mg/L	13	23	17	14	14	20	16	12	12	12	12	14	19	22	20	13
Nitrate	mg/L	40	22	31	40	34	20	34	53	49	48	26	21	16	18	24	21
Fluoride	mg/L	0.23	0.29	0.47	ND	ND	ND	ND	ND	0.34	ND	ND	ND	ND	ND	ND	ND
Aluminum	ug/L	30	110	78	250	21	13	ND	ND	440	ND	ND	460	140	ND	ND	ND
Manganese	ug/L	33	ND	ND	37	ND	ND	ND	ND	63	ND	ND	63	33	ND	ND	ND

Table 5

General Mineral Parameters
Etiwanda Generating Station

	Well ID	EW-5															
	Date	3/07	6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09	6/09	9/09	12/09				
Parameter	Units																
pH	Units	7.7	7.9	7.8	8.0	7.8	7.9	7.9	7.7	7.8	7.8	8.2	7.6				
E.C.	umhos	310	380	360	310	300	320	410	310	330	330	340	340				
TDS	mg/L	200	240	270	210	170	170	220	210	200	220	240	230				
Calcium	mg/L	38	43	38	33	34	36	45	35	36	120	40	41				
Magnesium	mg/L	6.9	7.9	6.9	5.8	6	6.6	8.2	6.3	6.6	24	7.3	7.1				
Sodium	mg/L	19	19	17	14	15	18	18	15	15	29	17	16				
Potassium	mg/L	1.6	1.6	1.6	1.4	1.6	1.5	1.7	1.6	1.6	2.3	1.8	2.1				
Bicarbonate	mg/L	130	150	130	120	110	130	150	110	120	120	120	130				
Sulfate	mg/L	24	17	21	30	32	25	16	28	23	21	26	17				
Chloride	mg/L	13	23	20	6.5	6.8	21	28	7	8	9	14	10				
Nitrate	mg/L	17	21	18	11	19	21	23	27	35	39	39	34				
Fluoride	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Aluminum	ug/L	ND	ND	ND	ND	ND	ND	110	25	48	ND	ND	ND				
Manganese	ug/L	ND	ND	ND	ND	ND	ND	11	5	9	ND	ND	ND				

Table 5

General Mineral Parameters
Etiwanda Generating Station

	Well ID	EW-6															
	Date	9/02	12/02	3/03	6/03	9/03	1/04	3/04	6/04	9/04	12/04	3/05	6/05	9/05	12/05	3/06	6/06
Parameter	Units																
pH	Units	6.8	6.4	7.2	6.9	7.2	7.3	7.1	7.4	7.5	7.2	7.6	7.7	7.2	6.2	7.3	7.2
E.C.	umhos	610	830	450	510	450	420	440	420	440	410	420	410	480	410	420	470
TDS	mg/L	430	680	280	330	280	230	280	270	270	260	270	250	260	260	260	280
Calcium	mg/L	75	120	51	57	53	48	49	53	51	51	47	48	56	46	46	51
Magnesium	mg/L	15	21	11	11	11	9.6	9.3	11	10	10	10	9.6	11	8.7	9.1	10
Sodium	mg/L	34	45	26	26	26	22	22	25	23	24	24	22	25	20	22	23
Potassium	mg/L	2.3	3.1	3.1	2.1	2.1	2	1.9	2	1.6	3	1.9	1.9	1.9	2.1	1.7	1.4
Bicarbonate	mg/L	330	390	200	230	210	180	180	180	190	160	180	150	210	180	160	190
Sulfate	mg/L	11	ND	21	10	16	21	22	21	19	20	20	25	12	23	25	20
Chloride	mg/L	29	31	22	35	26	22	17	18	24	20	19	21	31	22	22	35
Nitrate	mg/L	ND	ND	20	13	17	24	26	26	25	26	26	25	23	27	28	22
Fluoride	mg/L	ND	ND	0.29	0.28	0.26	ND	ND	ND	ND	ND	0.29	ND	ND	ND	ND	ND
Aluminum	ug/L	20	24	98	39	420	15	18	ND	ND	ND	ND	100	ND	ND	65	ND
Manganese	ug/L	1,700	6,400	120	360	190	ND	ND	ND	ND	ND	ND	73	ND	ND	ND	ND

Table 5

General Mineral Parameters
Etiwanda Generating Station

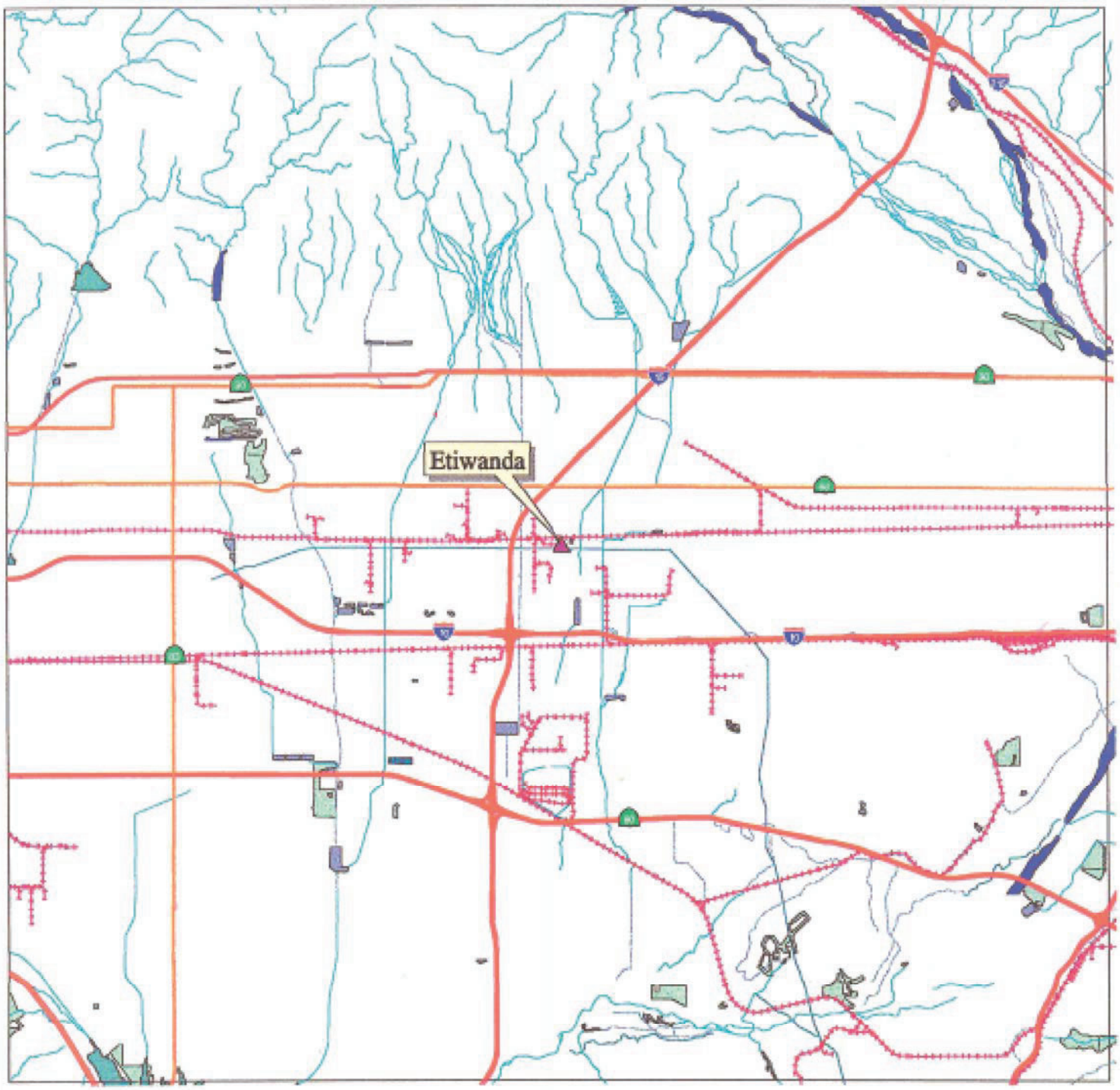
	Well ID	EW-6															
	Date	9/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08							
Parameter	Units																
pH	Units	7.9	7.8	7.5	7.9	8.0	8.0	7.7	8.0	8.1							
E.C.	umhos	540	480	400	500	400	450	490	420	350							
TDS	mg/L	330	310	260	300	300	370	290	280	180							
Calcium	mg/L	70	55	48	59	38	58	58	56	38							
Magnesium	mg/L	14	11	9.6	11	11	12	11	12	6.9							
Sodium	mg/L	27	23	25	25	23	24	24	29	17							
Potassium	mg/L	1.9	2	1.9	1.9	3	1.9	2	3.7	1.6							
Bicarbonate	mg/L	190	180	160	180	130	130	200	160	120							
Sulfate	mg/L	18	20	22	18	17	22	18	16	24							
Chloride	mg/L	56	37	28	43	37	46	37	43	16							
Nitrate	mg/L	22	23	24	27	20	23	23	23	21							
Fluoride	mg/L	ND	ND	ND	ND	ND	ND	ND	ND	ND							
Aluminum	ug/L	72	ND	ND	ND	ND	ND	ND	ND	58							
Manganese	ug/L	ND	ND	ND	ND	ND	ND	ND	ND	20							

Quarterly Sampling -- Quality Control -- COC
Etiwanda Generating Station

	Date		12/3/2009		
Parameter	Units	PQL	EW-3	EW-103	RPD
Antimony	ug/L	5	ND	ND	
Arsenic	ug/L	2	ND	ND	
Barium	ug/L	0.5	52	53	2
Beryllium	ug/L	0.3	ND	ND	
Cadmium	ug/L	0.5	ND	ND	
Chloride	ug/L	0.5	33	29	13
Chromium, Total	mg/L	4	6.7	6.9	3
Chromium VI	ug/L	0.5	6.3	6.3	0
Cobalt	ug/L	0.2	ND	ND	
Copper	ug/L	2	ND	ND	
Fluoride	mg/L	0.05	ND	ND	
Iron	ug/L	20	45	48	6
Lead	ug/L	1	ND	ND	
Mercury	ug/L	0.1	ND	ND	
Molybdenum	ug/L	1	3.2	3.2	0
Nickel	ug/L	2	ND	ND	
Selenium	ug/L	2	ND	ND	
Silver	ug/L	0.5	ND	ND	
Thallium	ug/L	0.5	ND	ND	
Vanadium	ug/L	3	9.4	9.6	2
Zinc	ug/L	10	ND	ND	
pH	Units		7.5	7.6	1
TDS	mg/L	10	400	400	0
Aluminum	ug/L	10	32	34	6
Manganese	ug/L	10	ND	ND	
Nitrate	mg/L	0.2	12	11	9

Quarterly Sampling -- Quality Control -- VOC
Etiwanda Generating Station

	Date		12/3/2009					
Parameter	Units	PQL	EW-3	EW-103	RPD	EW-101 Field Blank	EW-104 Field Blank	EW-102 Trip Blank
Bromoform	ug/L	1	ND	ND		ND	ND	ND
Dibromochloromethane	ug/L	1	ND	ND		ND	ND	ND
Chloroform	ug/L	1	ND	ND		ND	ND	ND



4 0 4 8 12 Miles

Target Property

Target Property: Etiwanda Generation Facility

Source: Thomas Bros. Street Data

Reproduced with permission granted by THOMAS BROS. MAPS®. Portions of this map are copyrighted by THOMAS BROS. MAPS®. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of THOMAS BROS. MAPS®.

Thomas Bros. Maps®

Map Number:	gis\0823404
Issued For:	D. Chupa
Projection:	Nad83/UTM/Zone 11
Approved By:	D. Chupa
Checked By:	D. Chupa/Jim Schaefle
Project Lead:	Pat Turner
Supervisor:	Greta Bellis
Created By:	Jim Schaefle
Date:	11/07/01

Southern California Edison (SCE) has no indication or reason to believe that there are any inaccuracies or defects with information incorporated in this work and make no representations of any kind, including, but not limited to, the warranties of merchantability or fitness for a particular use, nor are any such warranties to be implied, with respect to the information or data, furnished herein. No part of this map may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording system, except as expressly permitted in writing by SCE.

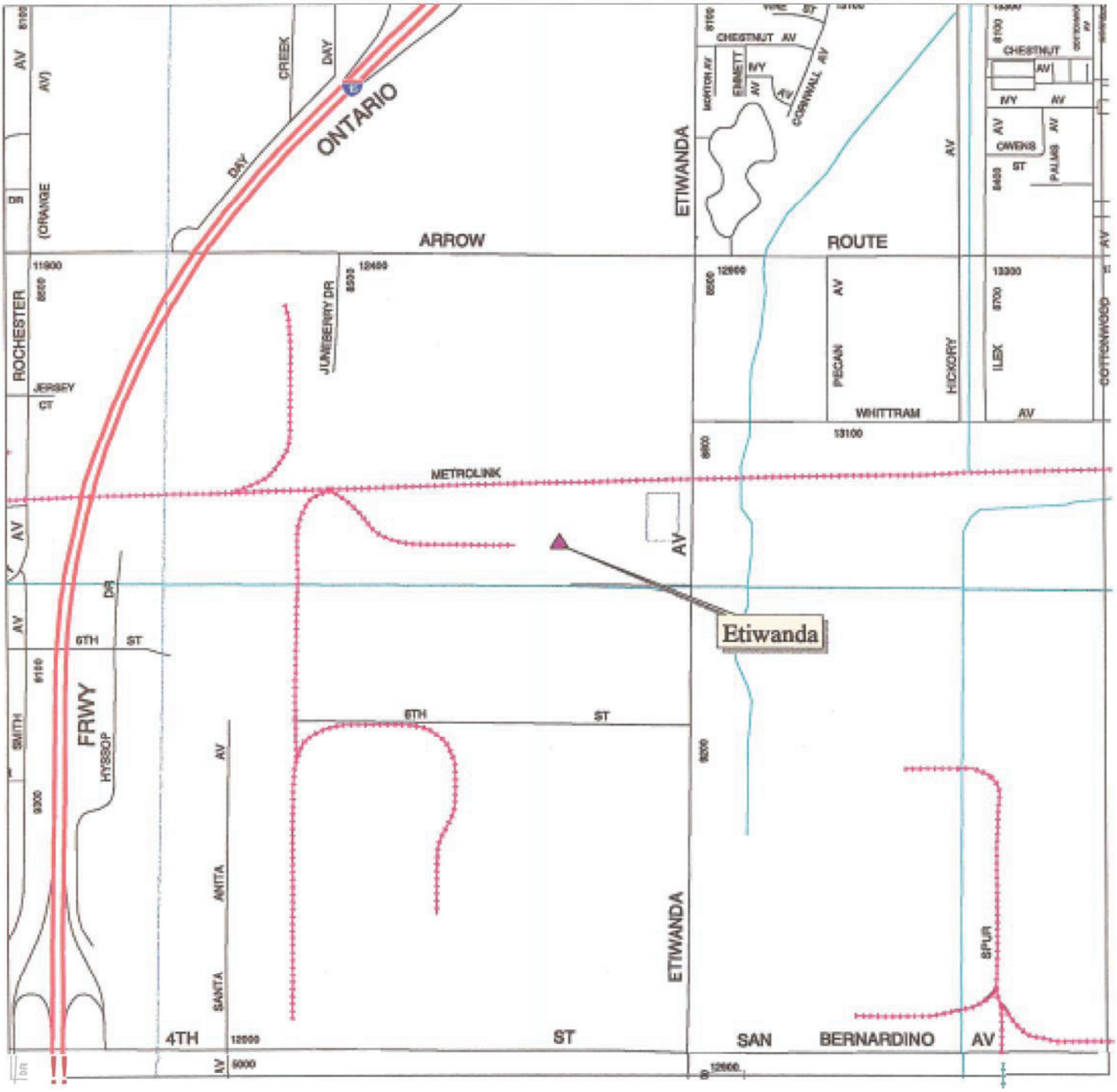
N

C&GS

SOUTHERN CALIFORNIA EDISON

An EDISON INTERNATIONAL Company

FIGURE 1



Target Property

Target Property: Etiwanda Generation Facility

Source: Thomas Bros. Street Data

Reproduced with permission granted by THOMAS BROS. MAPS®. Portions of this map are copyrighted by THOMAS BROS. MAPS®. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of THOMAS BROS. MAPS®.

Thomas Bros. Maps®

Map Number:	g010823404
Issued For:	D. Chapa
Projection:	NadRS/UTM/Zone 11
Approved By:	D. Chapa
Checked By:	D. Chapa/Jim Schaefle
Project Lead:	Pat Turner
Supervisor:	Gota Bellis
Created By:	Jim Schaefle
Date:	11/07/01

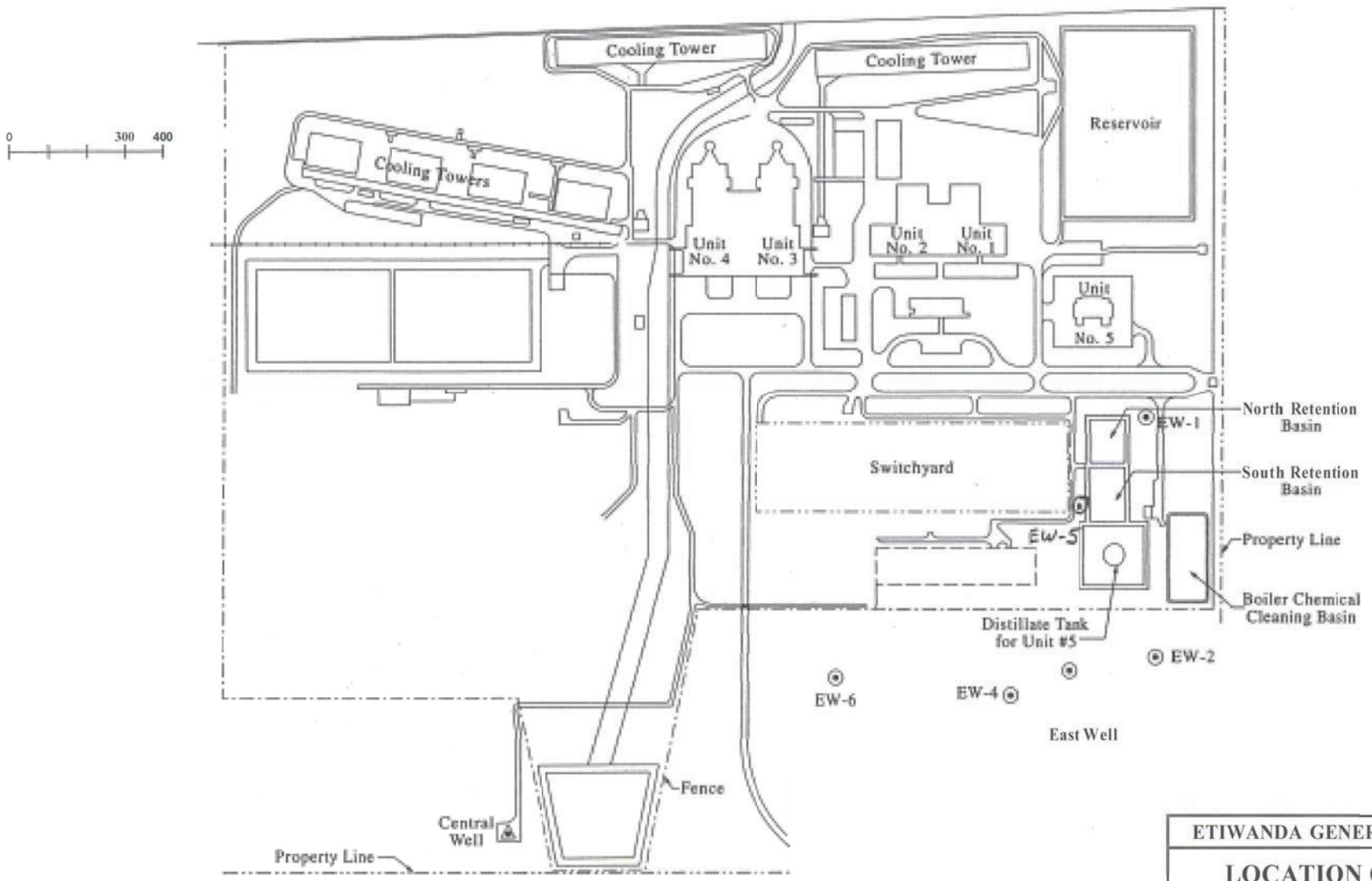
Southern California Edison (SCE) has no indication or reason to believe that there are any inaccuracies or defects with information incorporated in this work and make no representations of any kind, including, but not limited to, the warranties of merchantability or fitness for a particular use, nor are any such warranties to be implied, with respect to the information or data, furnished herein. No part of this map may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording system, except as expressly permitted in writing by SCE.

N

CGGS

SOUTHERN CALIFORNIA EDISON

FIGURE 2



ETIWANDA GENERATING STATION

LOCATION OF BASINS

FIGURE

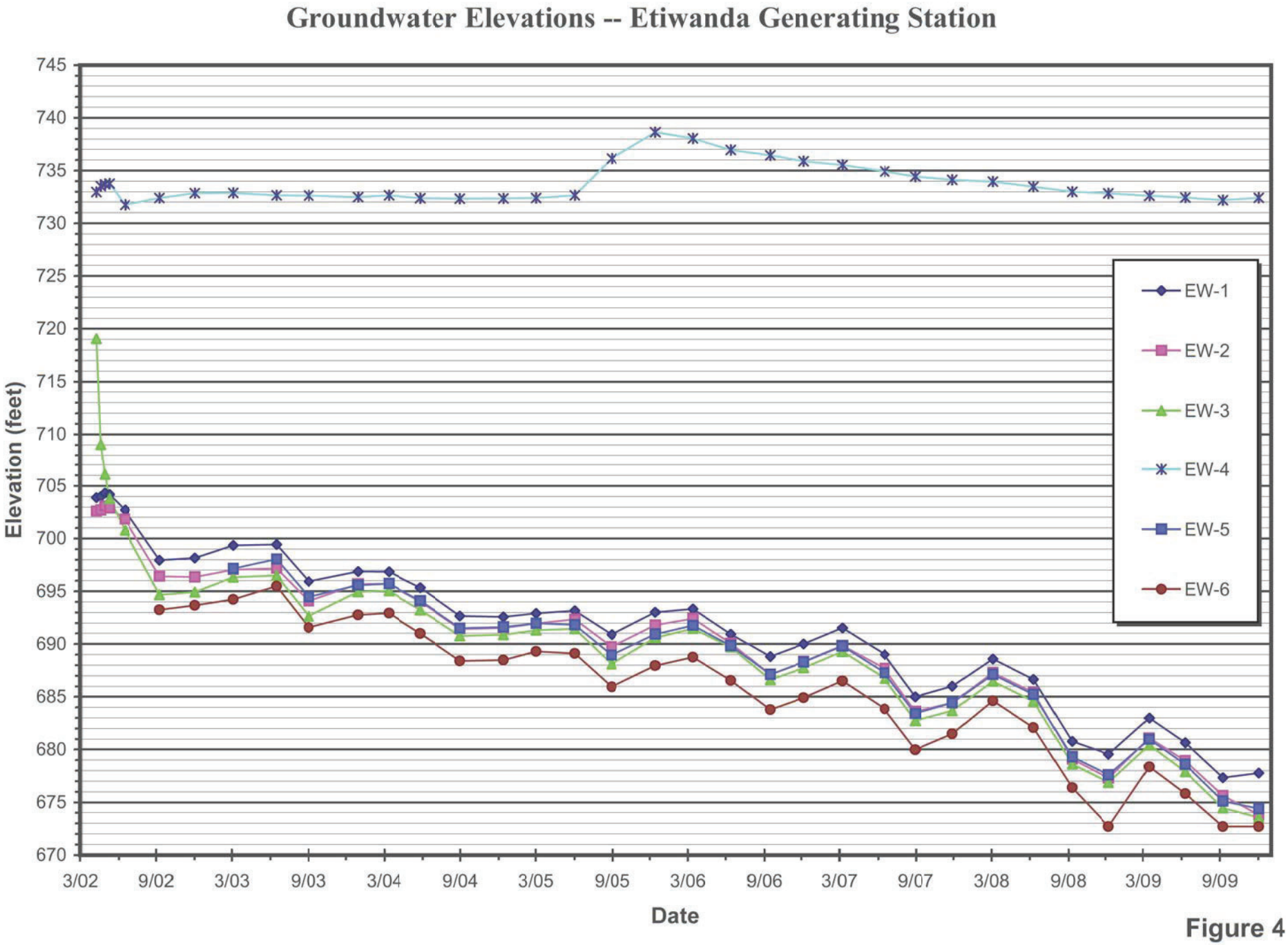
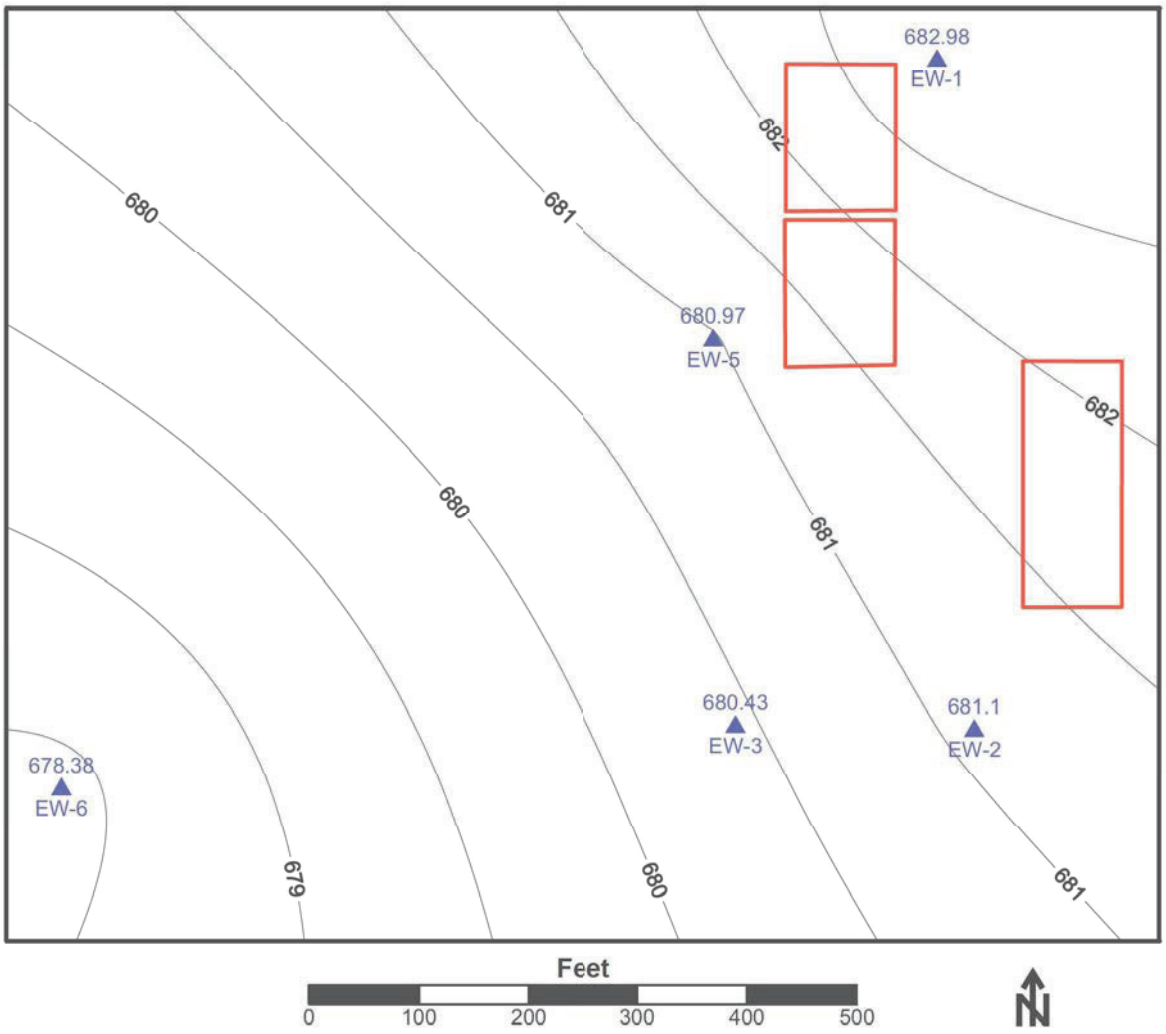

Groundwater Elevations -- Etiwanda Generating Station
Elevation (feet)
745
740
735
730
725
720
715
710
705
700
695
690
685
680
675
670
3/02
9/02
3/03
9/03
3/04
9/04
3/05
9/05
3/06
9/06
3/07
9/07
3/08
9/08
3/09
9/09
Date
EW-1
EW-2
EW-3
EW-4
EW-5
EW-6

Figure 4

Groundwater Gradient -- 3/16/09
Etiwanda Generating Station

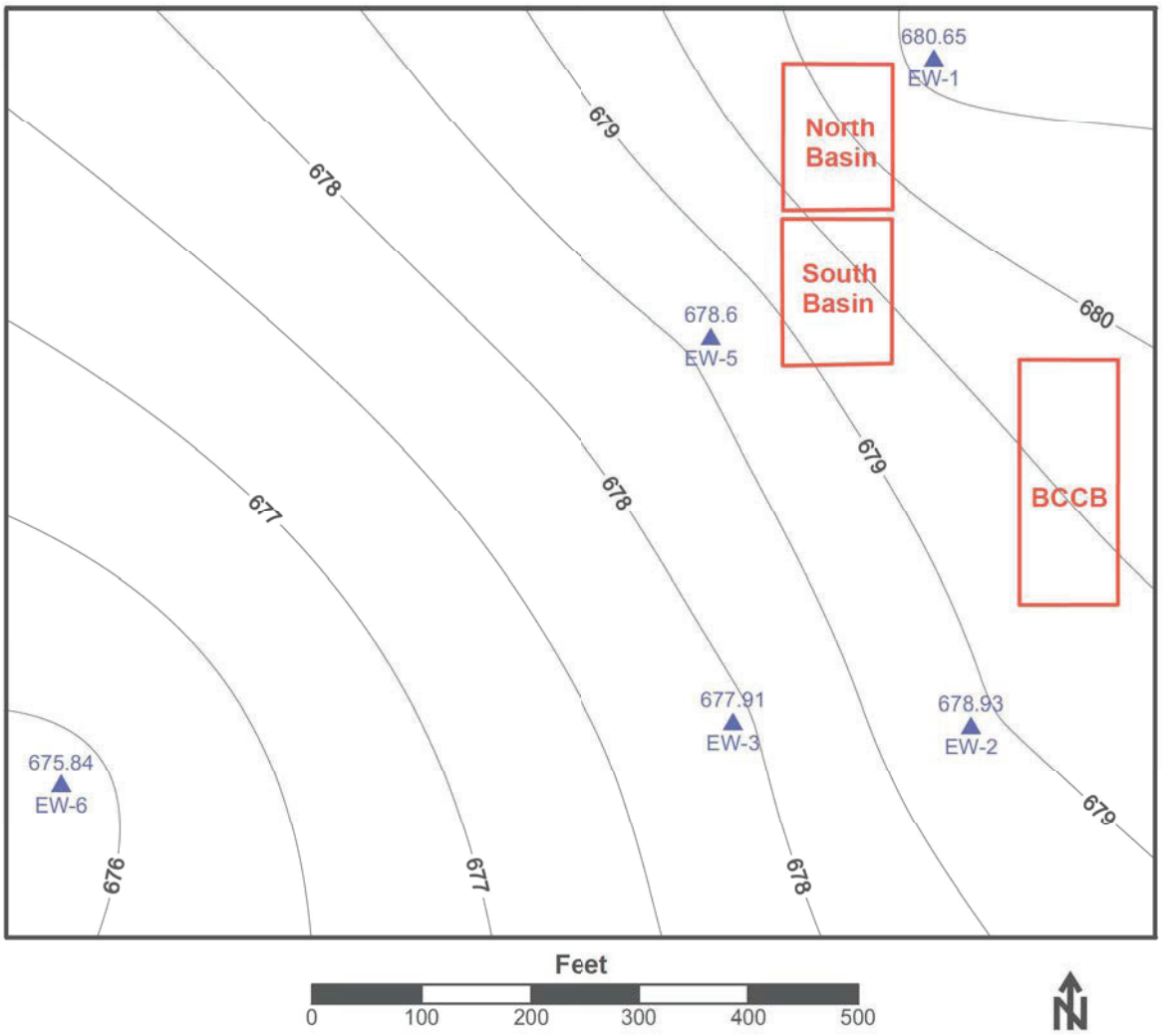


Contour Interval = 0.5 foot

▲ Location of Groundwater Monitoring Well
Groundwater Elevation Posted Above

Figure 5

Groundwater Gradient -- 6/10/09
Etiwanda Generating Station

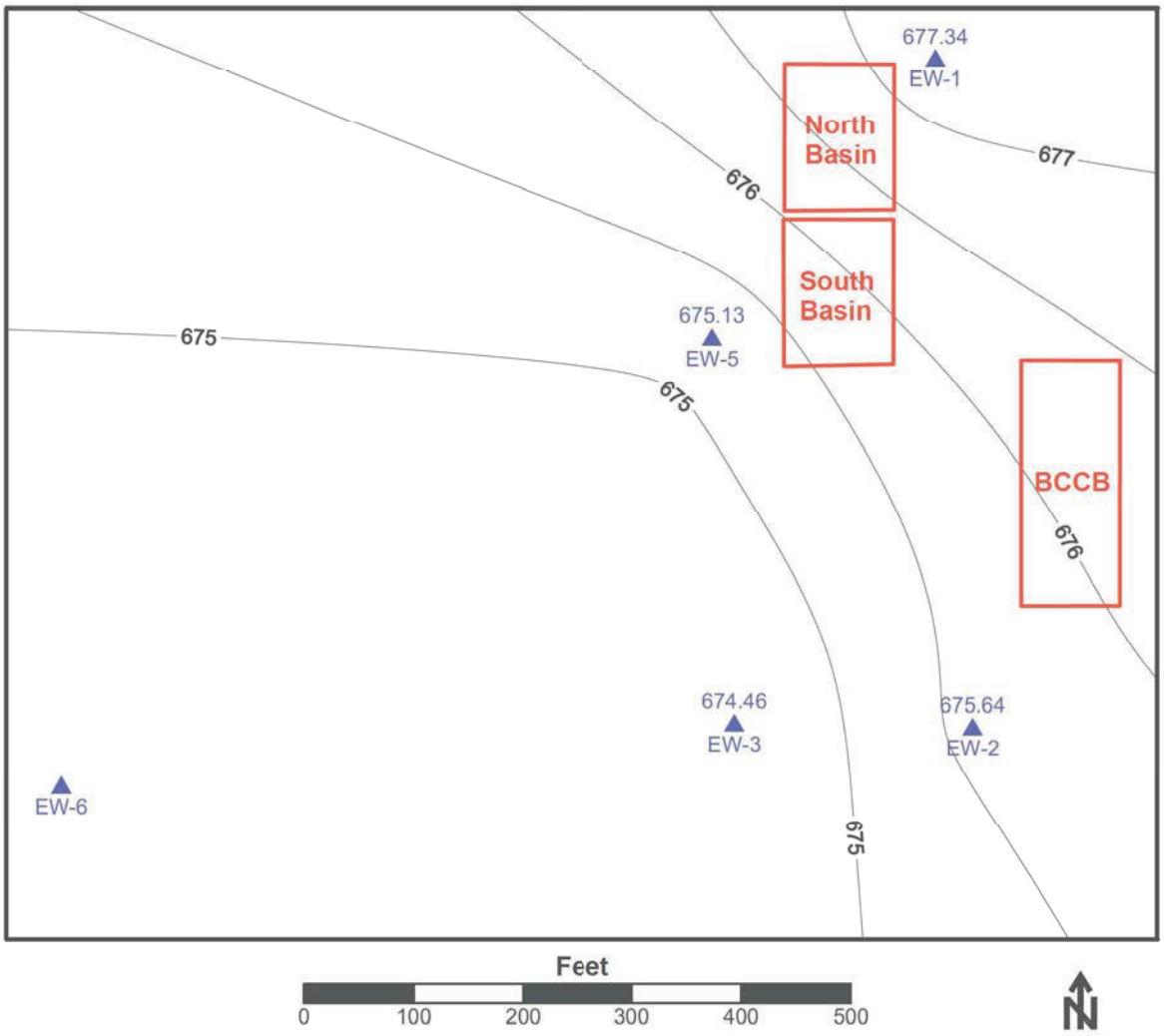


Contour Interval = 0.5 foot

▲ Location of Groundwater Monitoring Well
Groundwater Elevation Posted Above

Figure 6

Groundwater Gradient -- 9/9/09
Etiwanda Generating Station

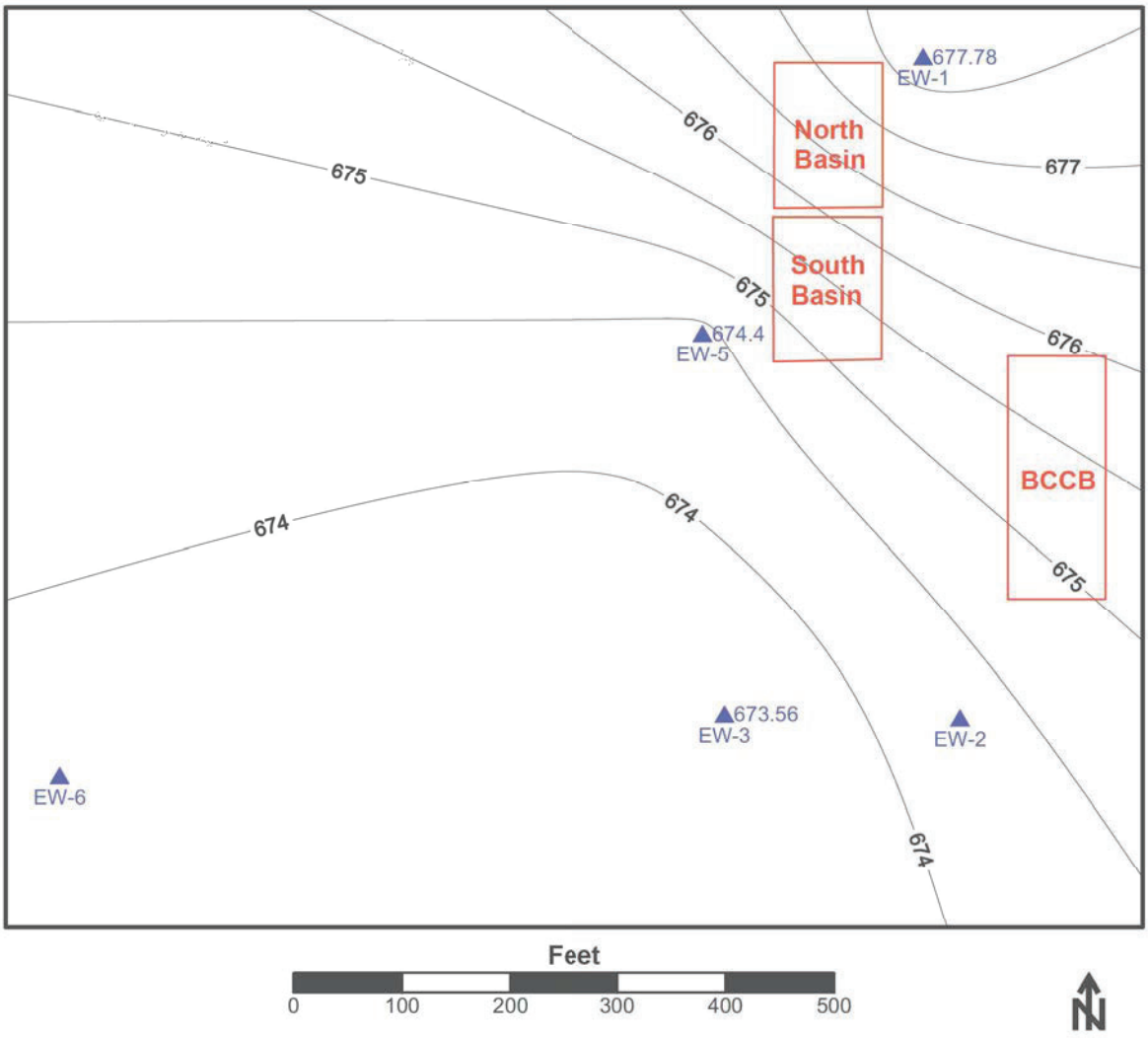


Contour Interval = 0.5 foot

▲ Location of Groundwater Monitoring Well
Groundwater Elevation Posted Above

Figure 7

Groundwater Gradient -- 12/3/09
Etiwanda Generating Station



Contour Interval = 0.5 foot

▲ Location of Groundwater Monitoring Well
Groundwater Elevation Posted Above

Figure 8

Appendix 1: 12/09 Quarterly Events – Field Forms

Daily Report

Water Level Measurements

Calibration Log

Field Parameters

Daily Report

Date: 12/3/09

I have read and completely understand the approved procedures in the SAP. Pat Hamilton

Weather: Cool, overcast

Equipment Used: HACH pH, EC, and Turbidity meter
Hanna D.O. meter

Visitors:

[X] Completed Water Level Measurements

Well Head Integrity: Good

Sampling Completed

Well No.	Time	Well No.	Time	Well No.	Time	Well No.	Time	Well No.	Time
EW-4	0500								
EW-3	0600								
EW-1	0730								
EW-5	0930								

Special Conditions/Problems:

Required Maintenance:

I have completed the sampling event using the approved procedures described in the SAP. Pat Hamilton

Water Level Measurements

Date: 12/3/09 Project: Etiwanda Generating Station

Performed by: P. Hamilton Measuring Device: Solinst

Well No.	Time	Measuring Point Elevation	Depth of Water	Depth to Bottom
EW-5	0350	1109.08 feet	434.68	445 feet
EW-1	0405	1106.86 feet	429.08	430 feet
EW-2	—	1100.81 feet	—	440 feet
EW-3	0415	1097.20 feet	423.64	435 feet
EW-4	0420	1101.54 feet	369.11	420 feet
EW-6	—	1102.71 feet	—	440 feet

Comments:

This task was completed using procedures described in the SAP. Pat Hamilton
(Signature)

Calibration Log

Performed By: P. HAMILTON

Instrument: pH probe

Date	Temp	Standard	Actual	Comments
12/3/09	16.3	4.00	4.01	
	16.7	7.00	7.00	
	16.4	10.00	10.00	

Instrument: EC probe

Date	Temp	Standard	Actual	Comments
12/3/09	16.8	700	720	
	16.4	3900	3900	
	16.3	7000	7010	

Instrument: Turbidity

Date	Temp	Standard	Actual	Comments
12/3/09	—	5.07	5.06	
	—	47.4	47.4	
	—	542	541	

Comments/Problems: _____

Calibrations were completed using procedures described in the SAP. Pat Hamilton

Field Parameters

Well No.: EW-4

Date: 12/3/09

Time: 0500

Samples Collected By: P. Hamilton

Field Conditions/Notes:

[X] **All Sampling Equipment has been Decontaminated**

Well Condition: Good

Parameters Sampled For: Metals, 8260, Gen. Chr+6

Sample appearance (Color, Smell, etc):

Depth to Water: 369.11' Depth to Bottom: 420'

Casing Size: 4"

Method of Purge: Bladder Pump Purge Rate: 0.3 l/m Volume Purged: 9 l

Sampling Method: Bladder Pump Sampling Rate: 0.3 l/m

Describe Decontamination Procedure:

Purge Data

Time	Temp	pH	EC	Turb.	DTW	Diss. Oxy.
0430	19.0	7.55	1326	0.49	369.11	7.36
0434	19.0	7.55	1326	0.50	369.11	7.35
0438	19.0	7.55	1326	0.49	369.11	7.36
0500					369.11	
		-222				

Filtered (Y/N): N If Yes Specify Method:

Preservatives (Y/N): Y If Yes Specify: HCl

QA/QC Sample Taken (Y/N): Y If Yes Specify: Field Blank (EW-101)

Sample No.: EW-4 Name of AnalyticalLaboratory: Work Lab

This task was completed using procedures described in the Project SAP. Pat Hamilton

Field Parameters

Well No.: EW-3

Date: 12/3/09

Time: 0600

Samples Collected By: P. Hamilton

Field Conditions/Notes: _____

[X] **All Sampling Equipment has been Decontaminated**

Well Condition: Good

Parameters Sampled For: metals, 8260, GM, Cr+6

Sample appearance (Color, Smell, etc): _____

Depth to Water: 423.64' Depth to Bottom: 435'

Casing Size: 4"

Method of Purge: Bladder Pump Purge Rate: 0.3 l/m Volume Purged: 9 l

Sampling Method: Bladder Pump Sampling Rate: 0.3 l/m

Describe Decontamination Procedure: _____

Purge Data

Time	Temp	pH	EC	Turb.	DTW	Other
0530	18.7	7.84	544	0.69	423.64	5.78
0534	18.7	7.84	544	0.71	423.64	6.01
0538	18.7	7.84	543	0.70	423.64	6.01
0600					423.64	
		-38.5				

Filtered (Y/N): N If Yes Specify Method: _____

Preservatives (Y/N): Y If Yes Specify: HCl

QA/QC Sample Taken (Y/N): Y If Yes Specify: Duplicate (EW-103)

Sample No.: EW-3 Name of AnalyticalLaboratory: Weck Lab

This task was completed using procedures described in the Project SAP. Pat Hamilton

Field Parameters

Well No.: EW-1

Date: 12/3/09

Time: 0730

Samples Collected By: P. HAMILTON

Field Conditions/Notes: _____

[X] **All Sampling Equipment has been Decontaminated**

Well Condition: GOOD

Parameters Sampled For: Metals, 8260, GM, Cr+6

Sample appearance (Color, Smell, etc): _____

Depth to Water: 429.08' Depth to Bottom: 430'

Casing Size: 4"

Method of Purge: Bladder Pump Purge Rate: 0.3 l/m Volume Purged: 9l

Sampling Method: Bladder Pump Sampling Rate: 0.3 l/m

Describe Decontamination Procedure: _____

Purge Data

Time	Temp	pH	EC	Turb.	DTW	Diss. Oxy.
0700	20.6	8.56	296	0.73	429.08	6.98 ppm
0704	20.6	8.56	296	0.71	429.08	6.97
0708	20.6	8.56	296	0.72	429.08	6.98
0730					429.08	
		-80.3				

Filtered (Y/N): N If Yes Specify Method: _____

Preservatives (Y/N): Y If Yes Specify: HCl

QA/QC Sample Taken (Y/N): Y If Yes Specify: Trip Blank (EW-102)

Sample No.: EW-1 Name of AnalyticalLaboratory: Weck Lab

This task was completed using procedures described in the Project SAP. Pat Hamilton

Field Parameters

Well No.: EW-5

Date: 12/3/09

Time: 0830

Samples Collected By: P. HAMILTON

Field Conditions/Notes:

[X] **All Sampling Equipment has been Decontaminated**

Well Condition: GOOD

Parameters Sampled For: metals, 8260, GM, Cr+6

Sample appearance (Color, Smell, etc):

Depth to Water: 434.68' Depth to Bottom: 445'

Casing Size: 4"

Method of Purge: Bladder Pump Purge Rate: 0.3 l/m Volume Purged: 9 l

Sampling Method: Bladder Pump Sampling Rate: 0.3 l/m

Describe Decontamination Procedure:

Purge Data

Time	Temp	pH	EC	Turb.	DTW	Other
0800	20.7	7.89	317	0.77	434.68	7.22 mv
0804	20.7	7.89	317	0.74	434.68	7.21
0808	20.7	7.89	317	0.75	434.68	7.21
0830					434.68	
		-41.9				

Filtered (Y/N): N If Yes Specify Method:

Preservatives (Y/N): Y If Yes Specify: HCl

QA/QC Sample Taken (Y/N): Y If Yes Specify: Field Blank (EW-104)

Sample No.: EW-5 Name of AnalyticalLaboratory: Week Lab

This task was completed using procedures described in the Project SAP. Pat Hamilton

Appendix 2: Time-Series Charts

pH Values

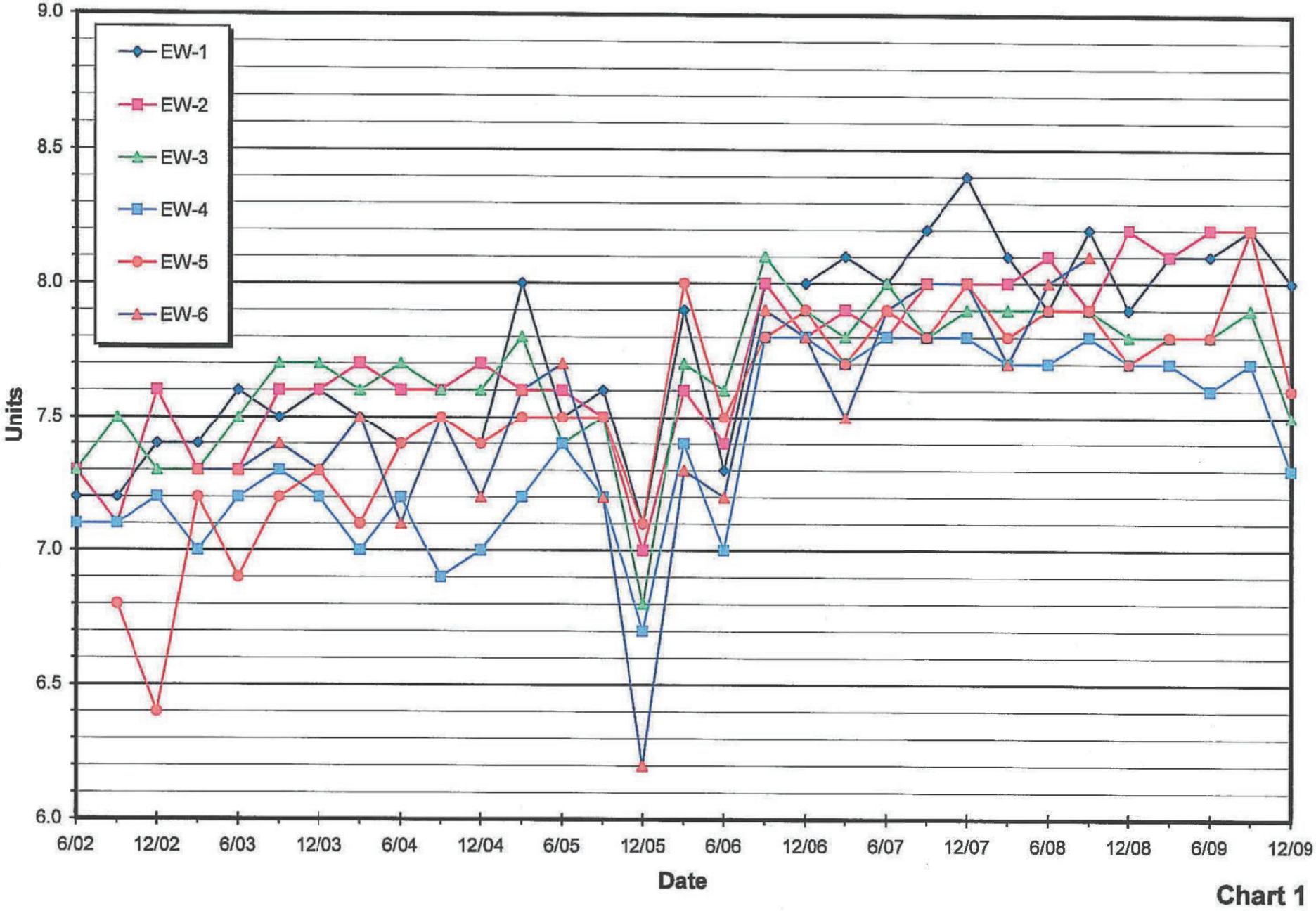


Chart 1

Total Dissolved Solids

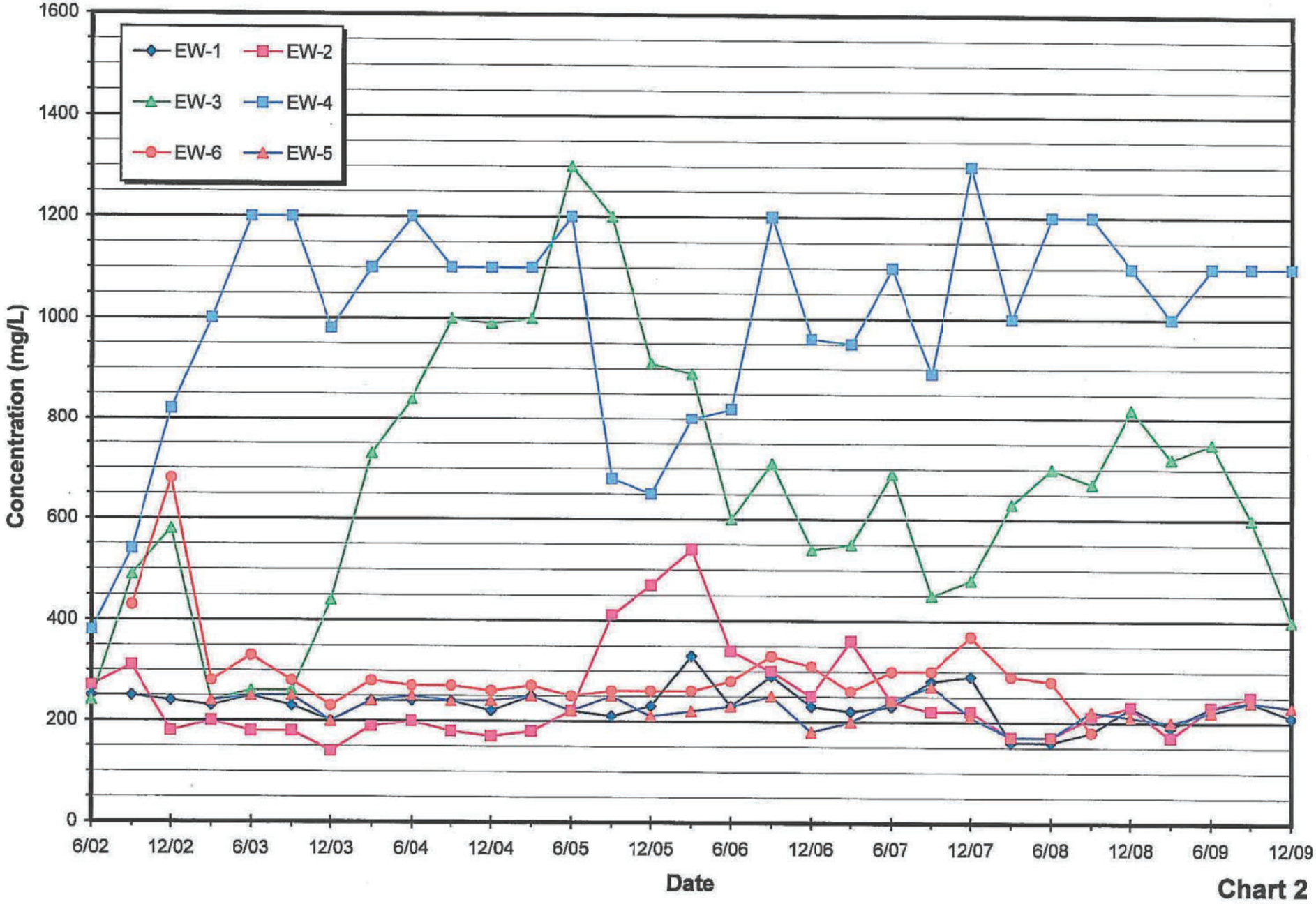


Chart 2

Arsenic Concentration

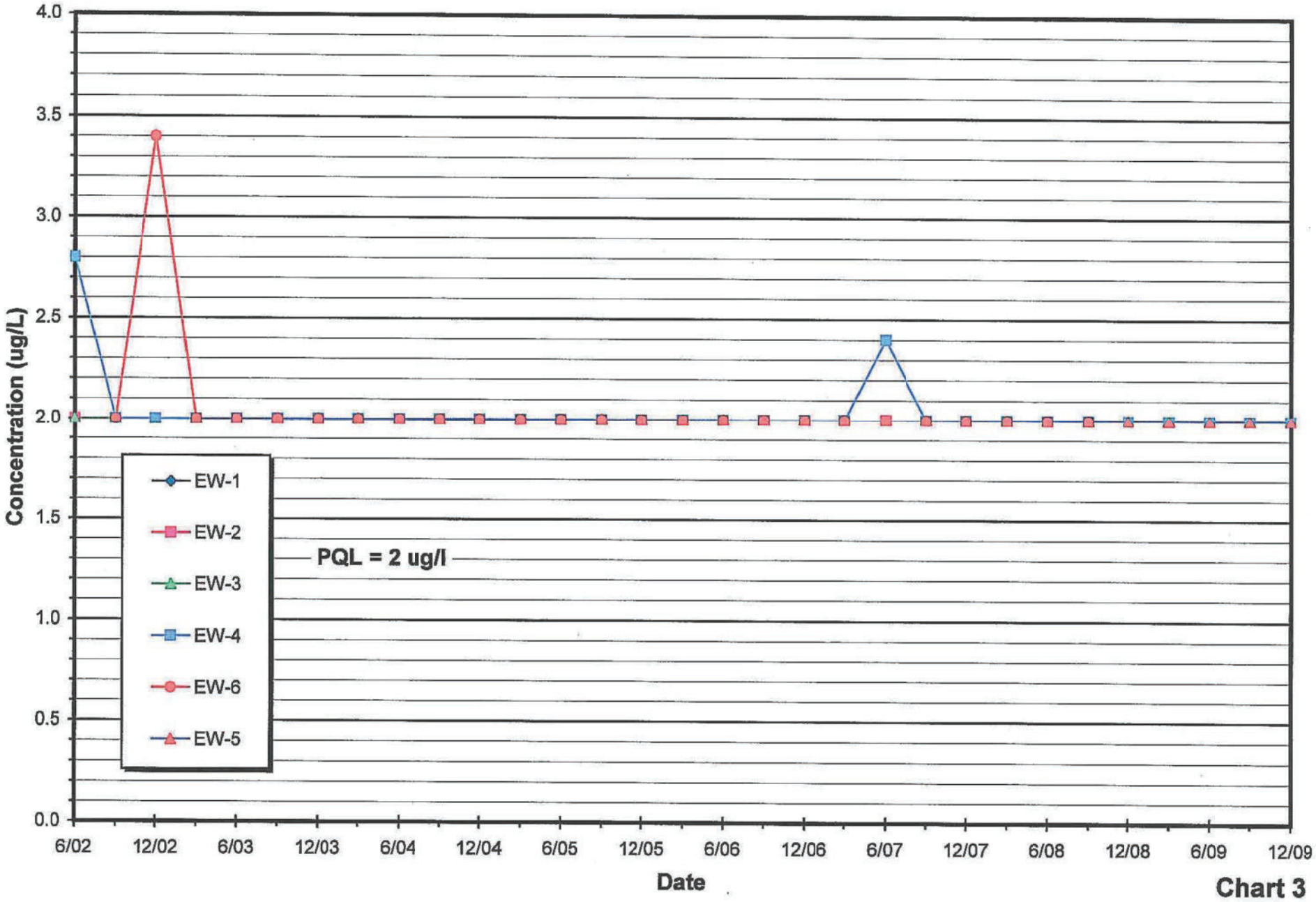


Chart 3

Barium Concentration

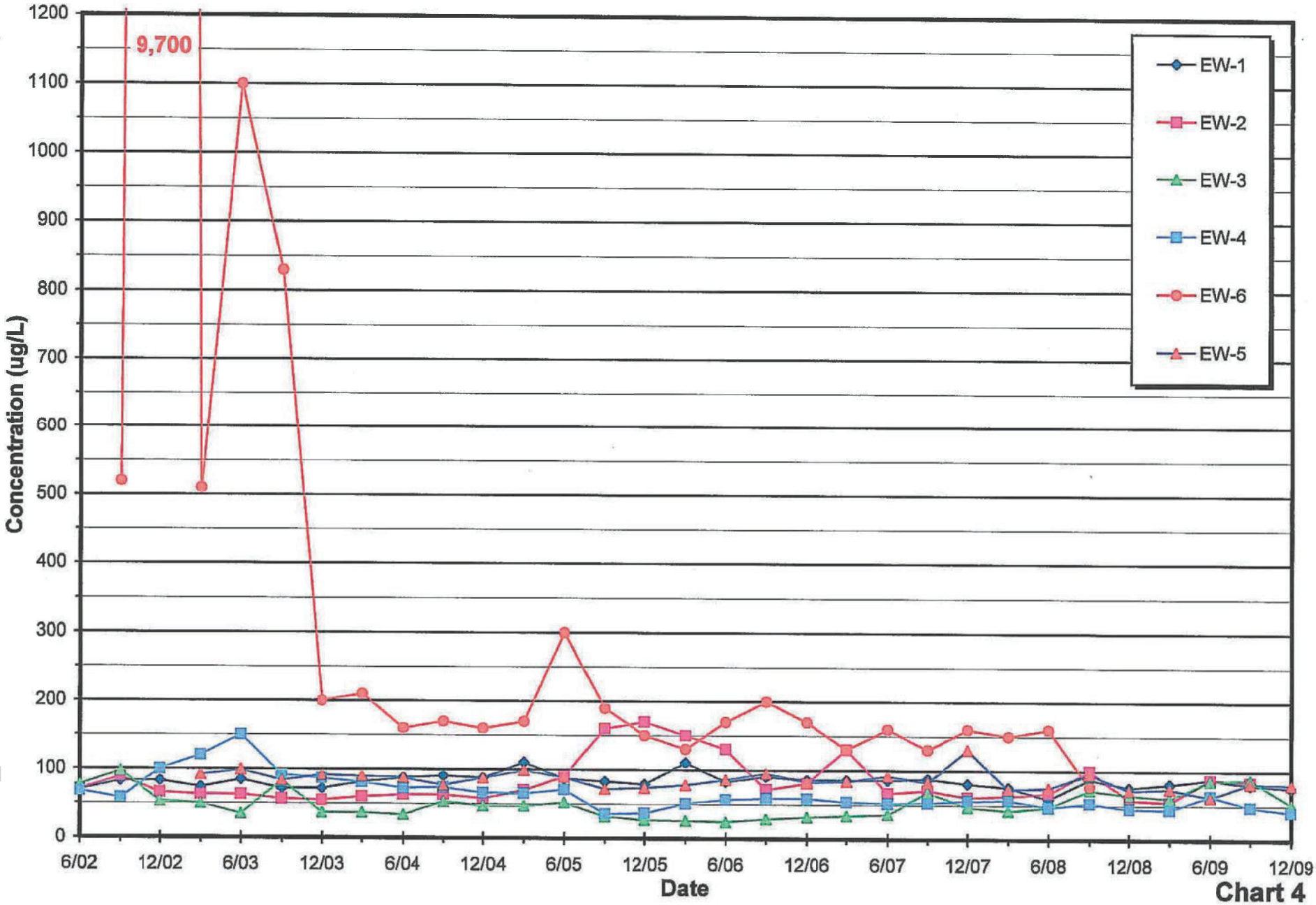


Chart 4

Chloride Concentration

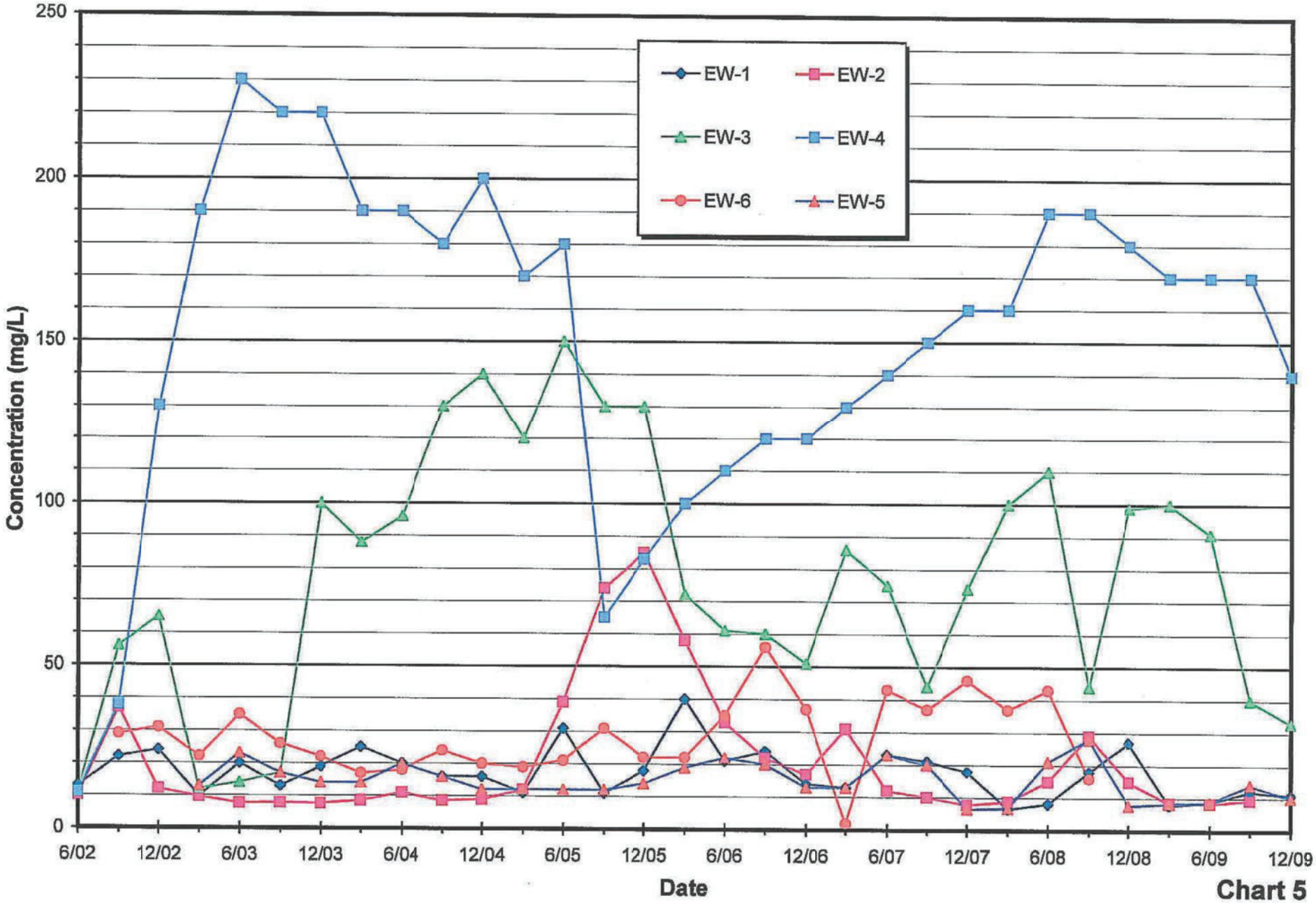


Chart 5

Total Chromium Concentration

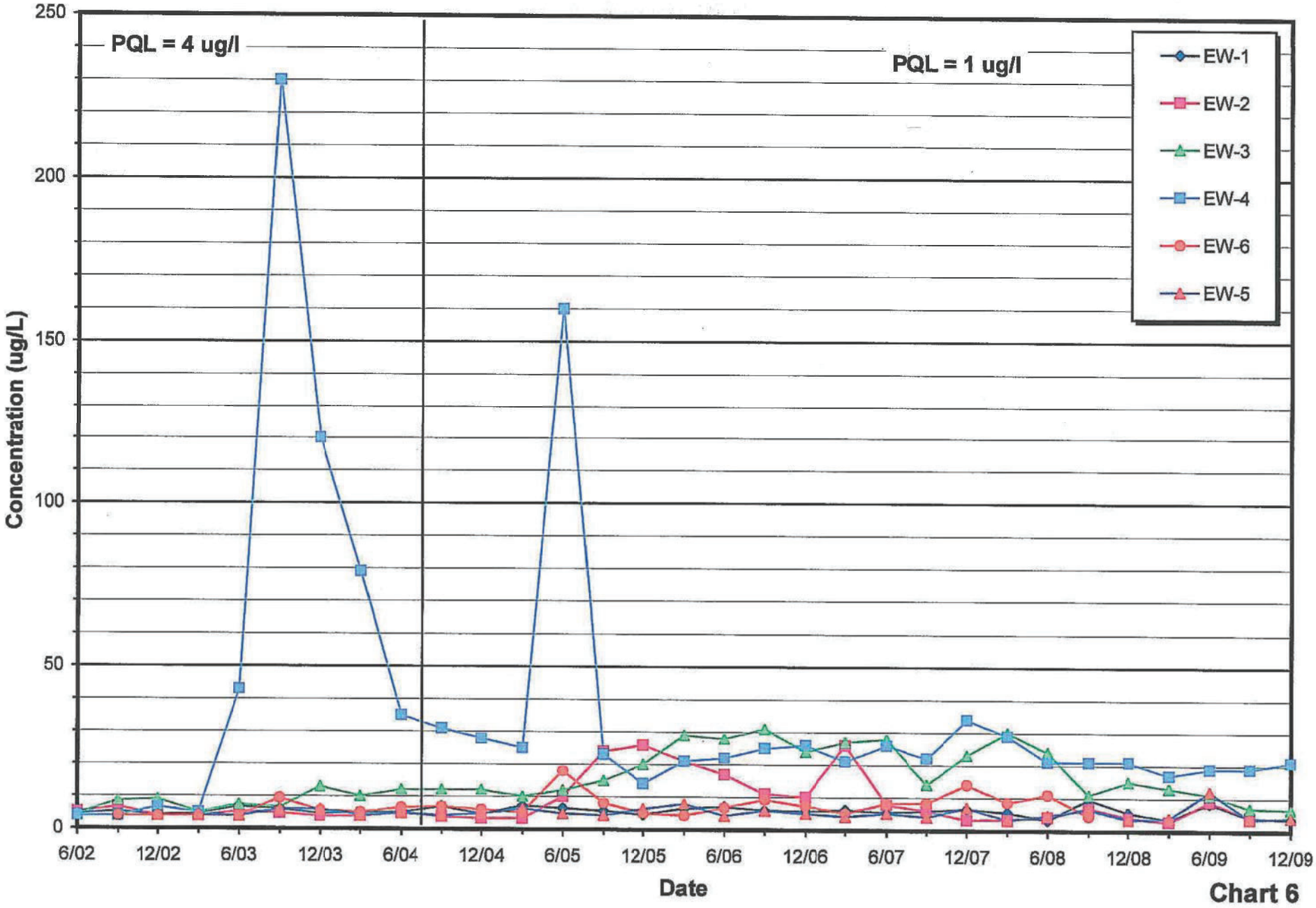


Chart 6

Chromium VI Concentration

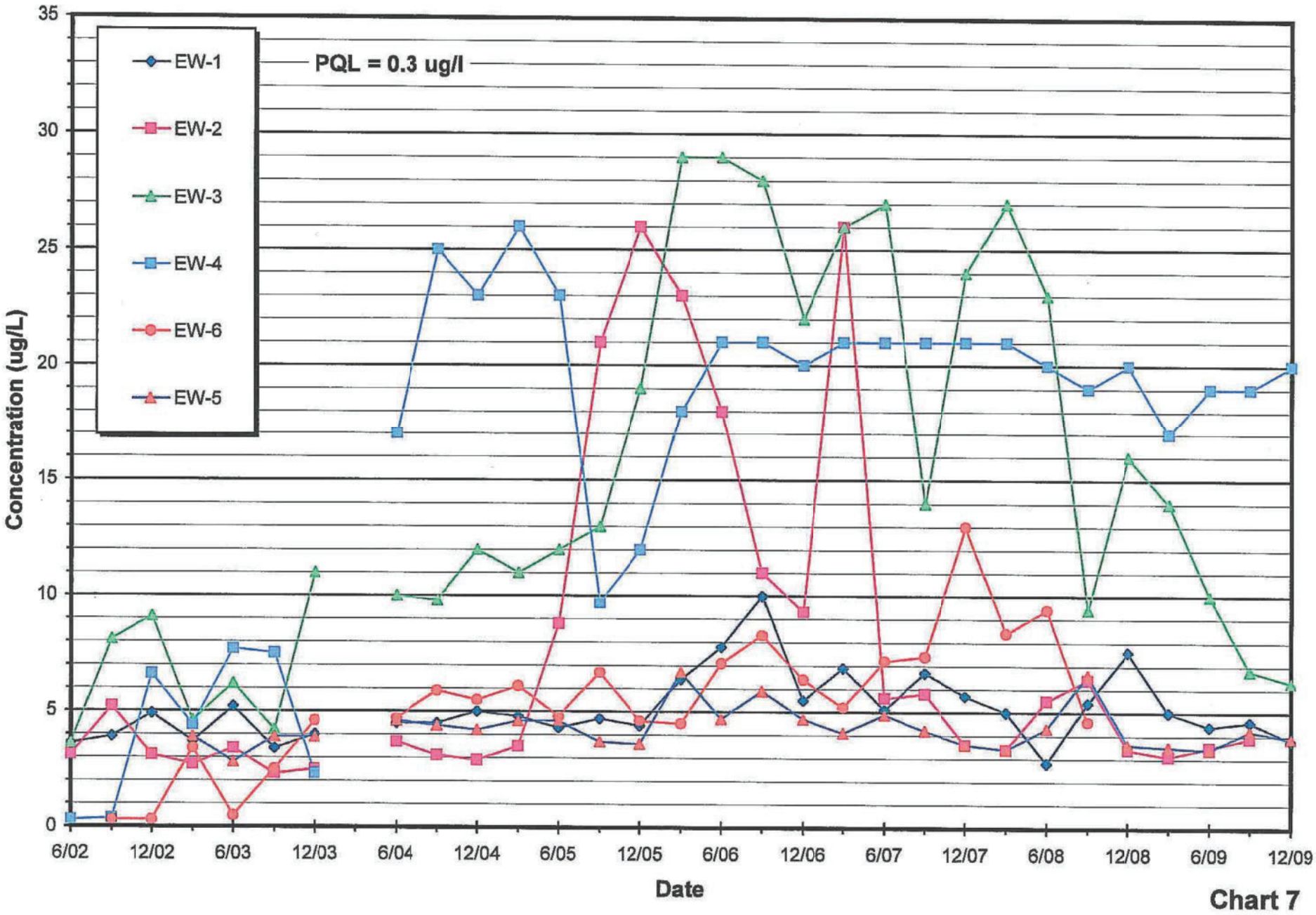


Chart 7

Cobalt Concentration

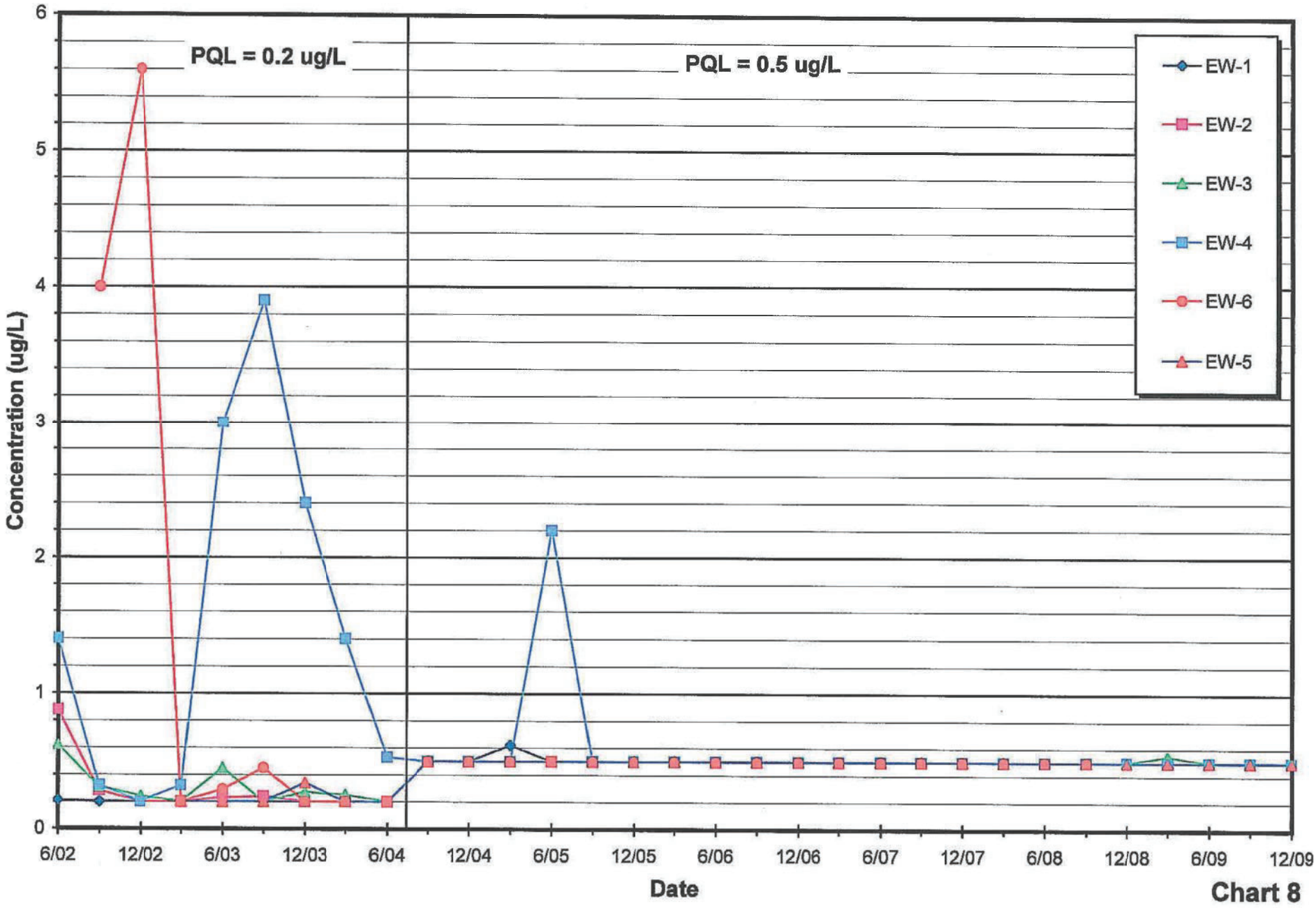


Chart 8

Copper Concentration

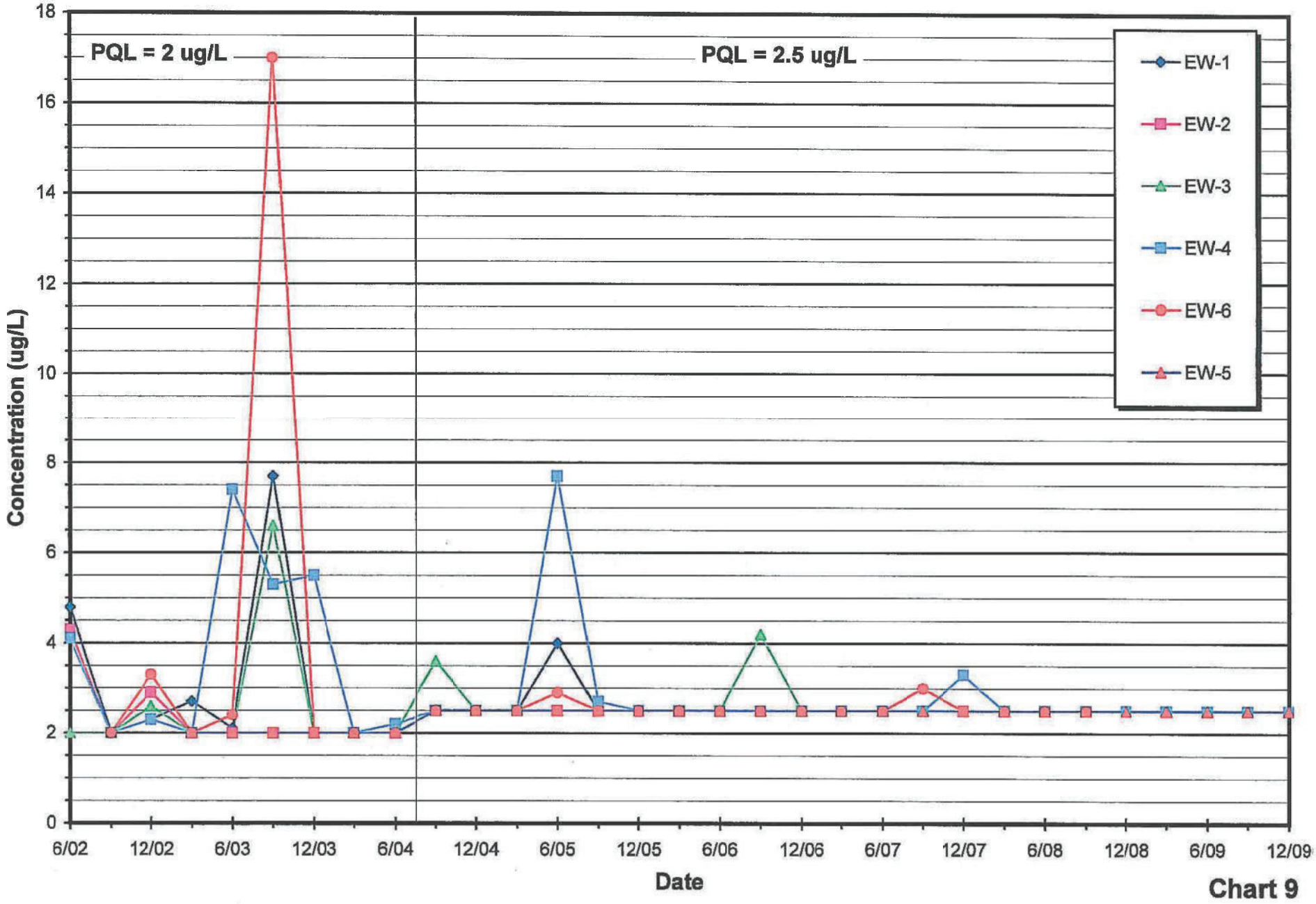


Chart 9

Fluoride Concentration

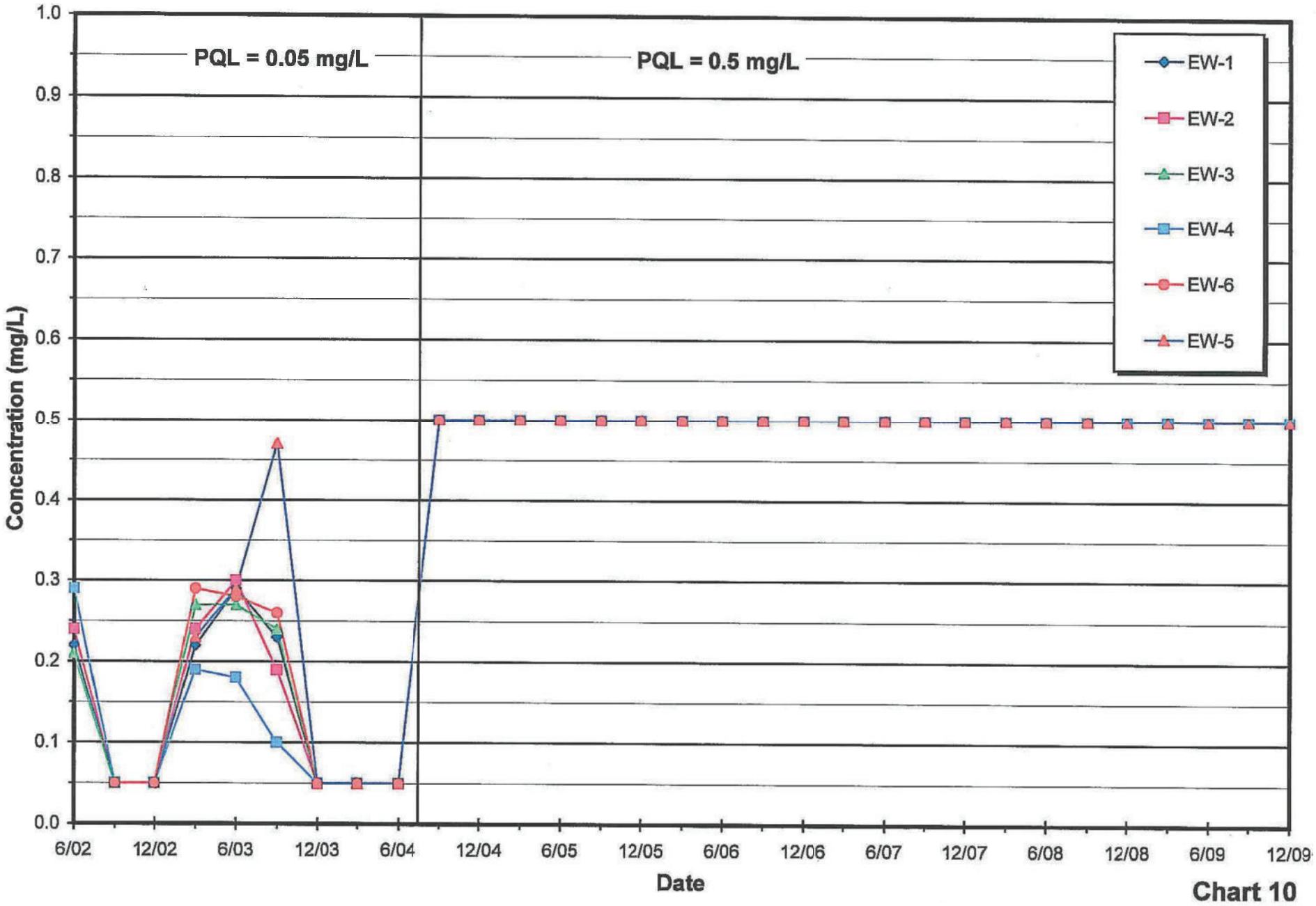


Chart 10

Iron Concentration

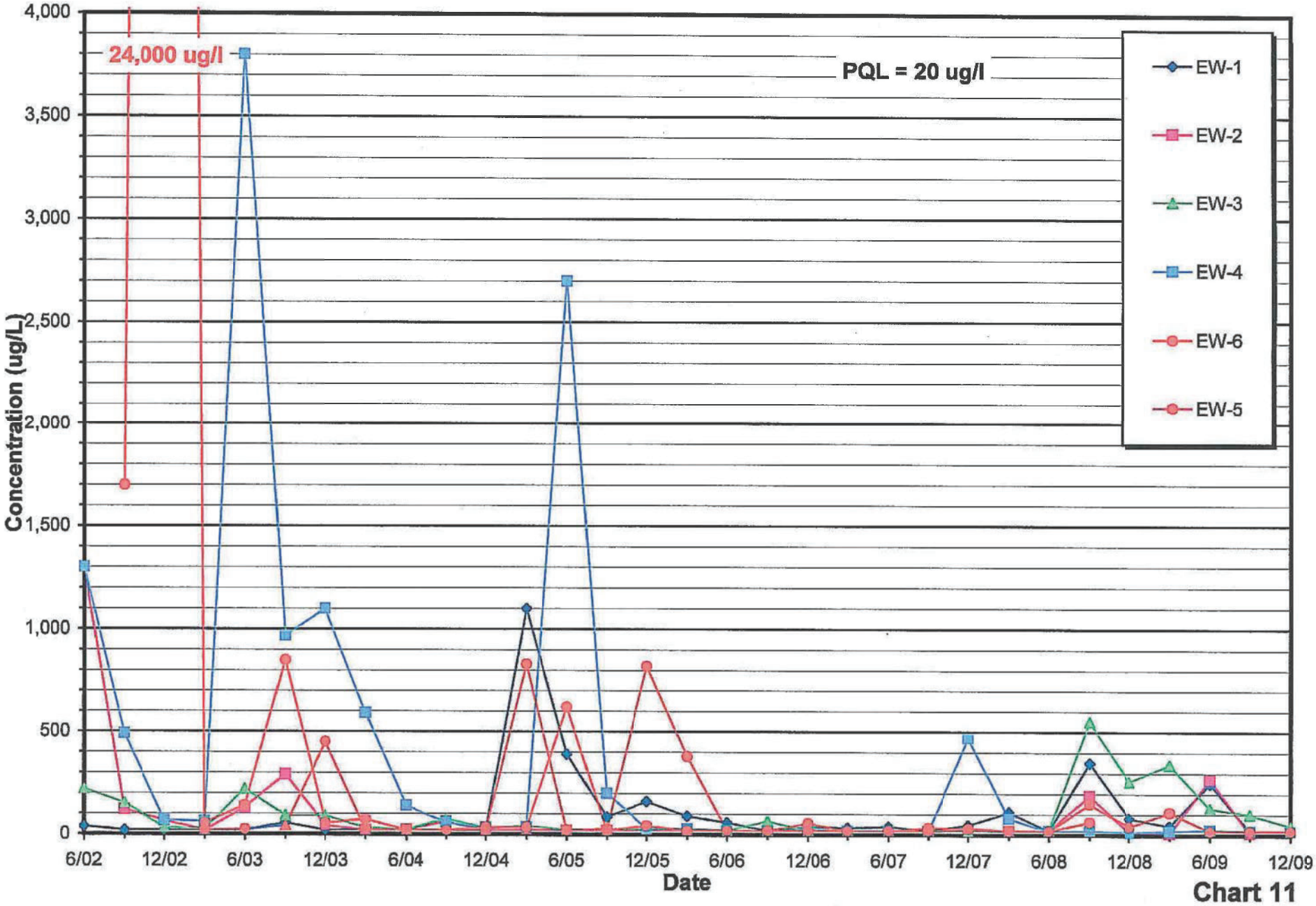


Chart 11

Lead Concentration

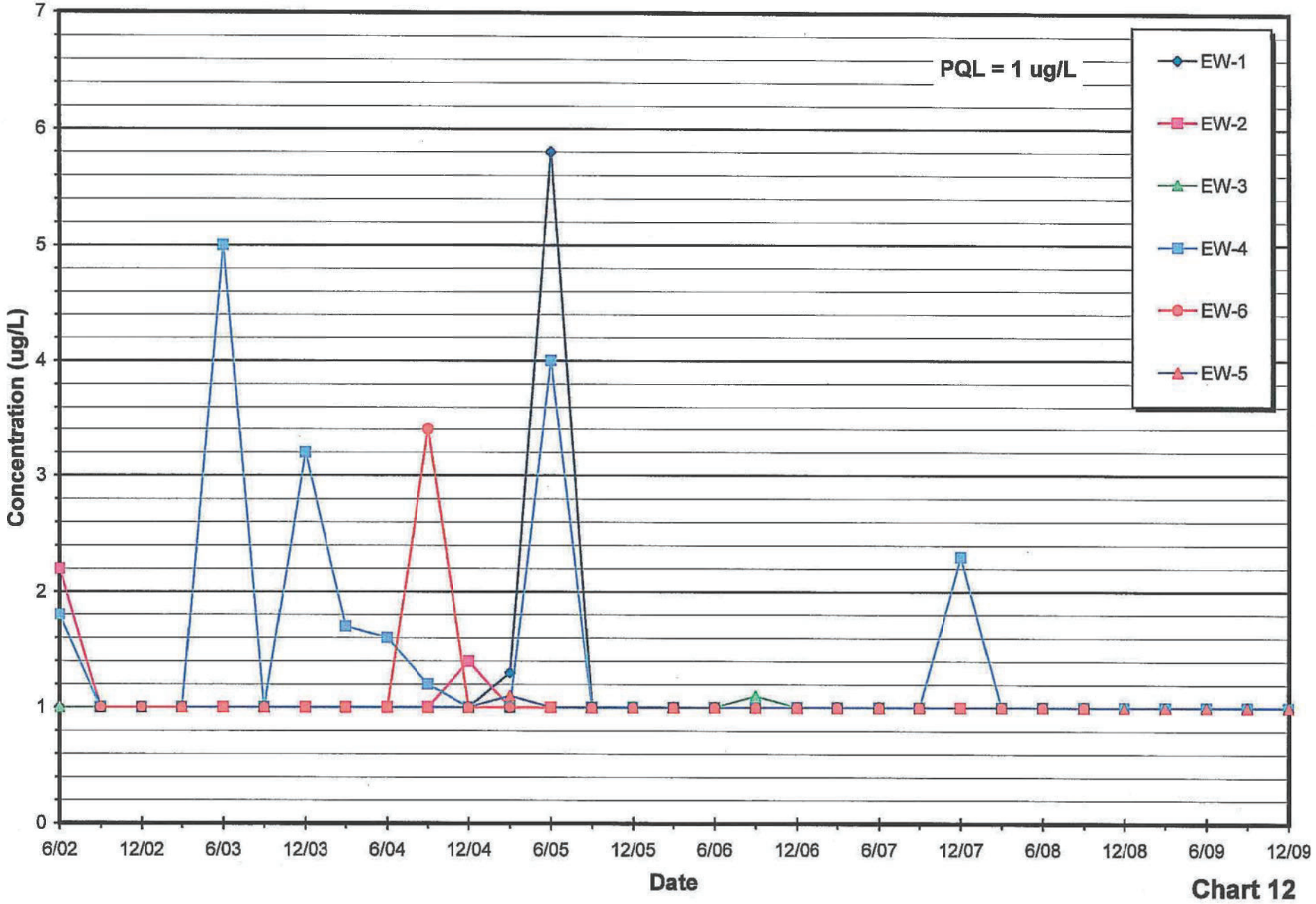


Chart 12

Molybdenum Concentration

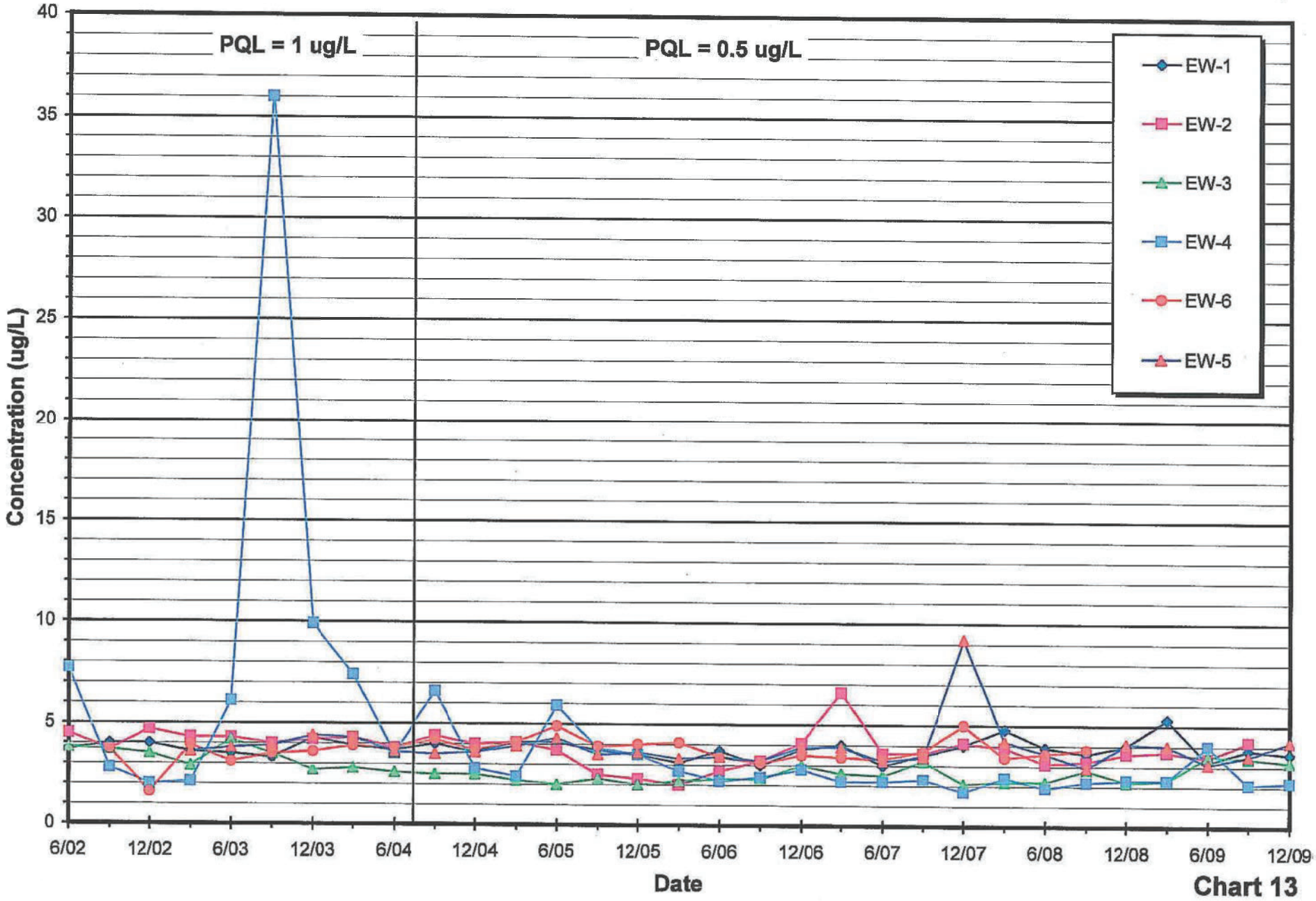


Chart 13

Nickel Concentration

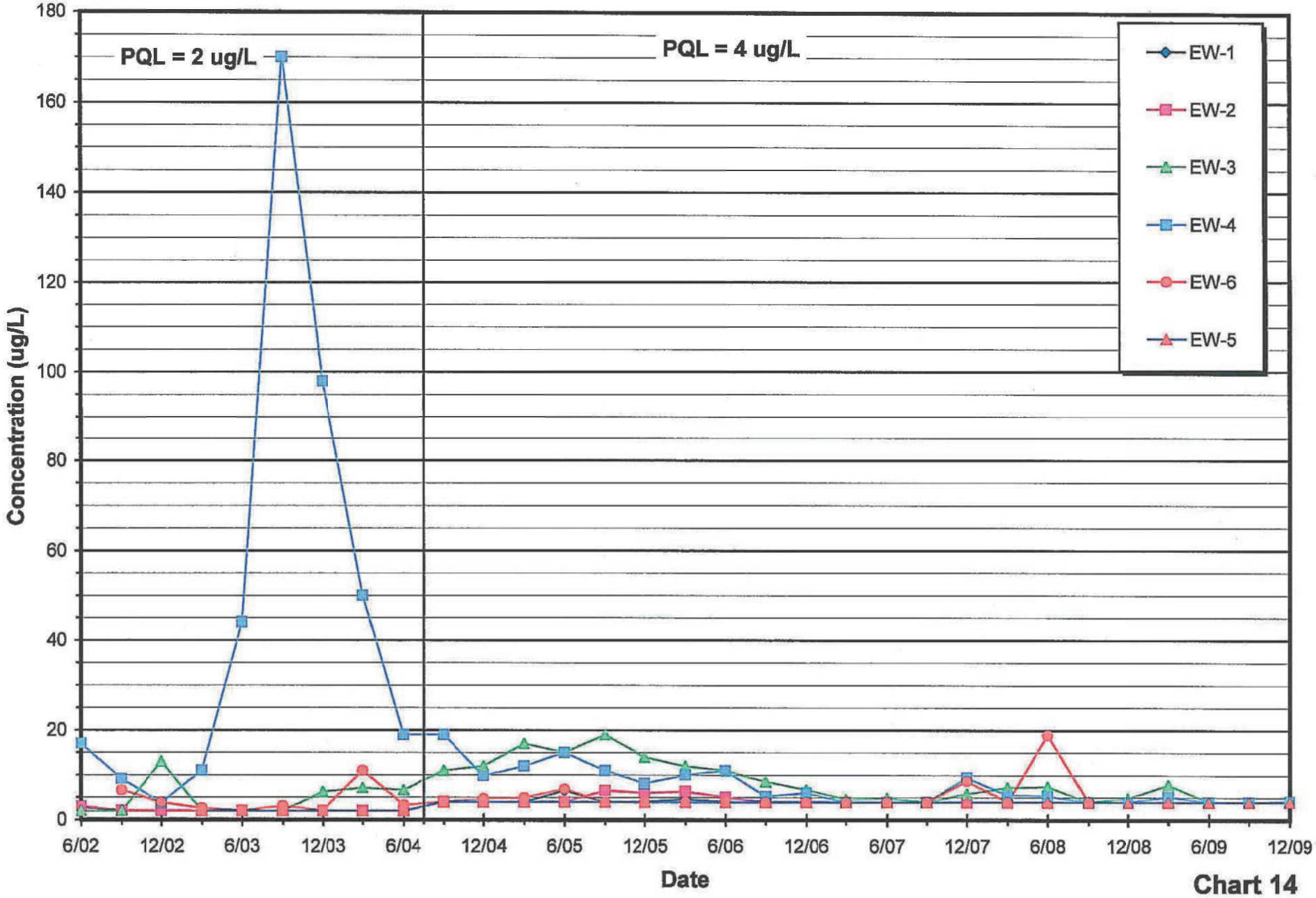


Chart 14

Selenium Concentration

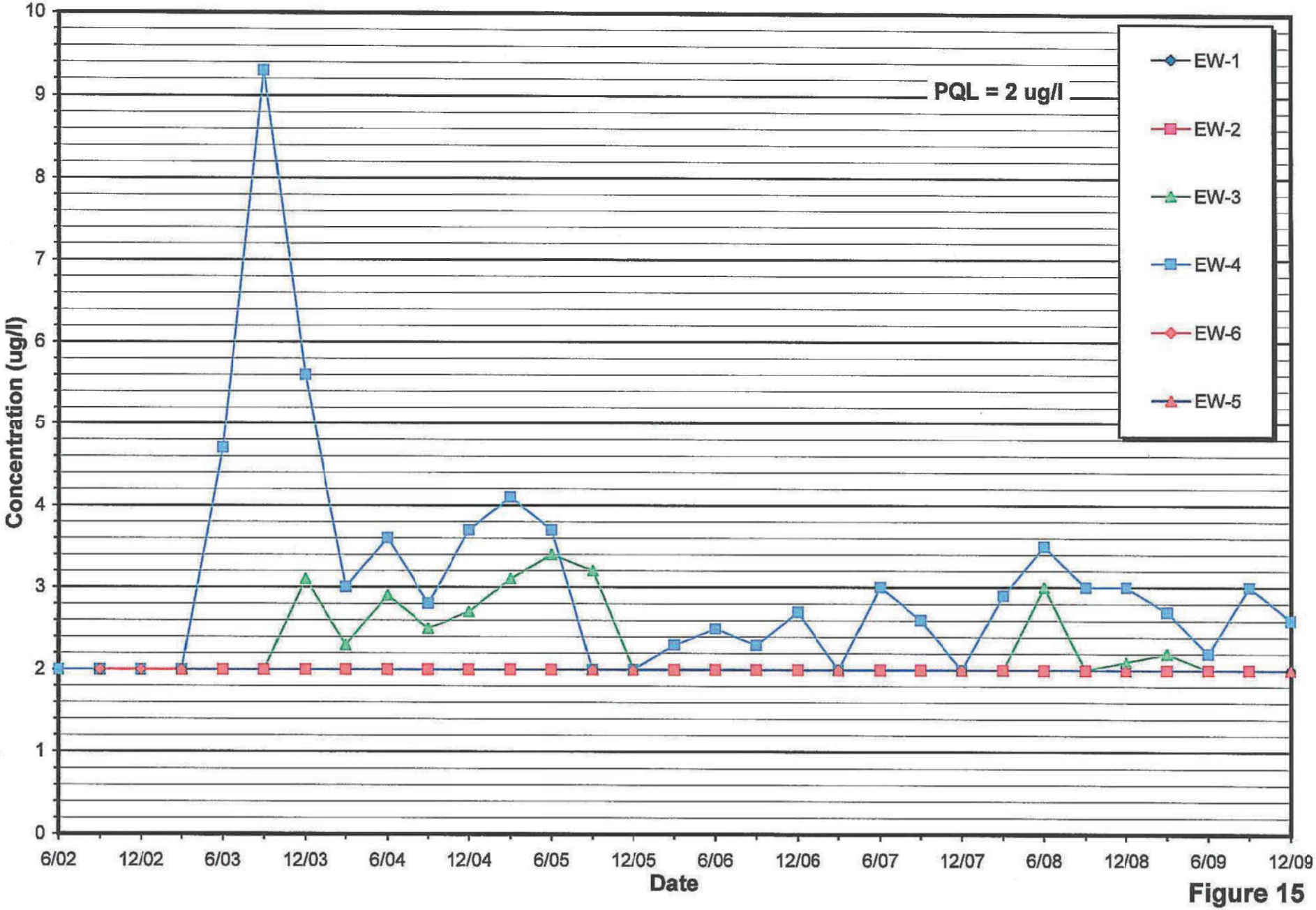


Figure 15

Vanadium Concentration

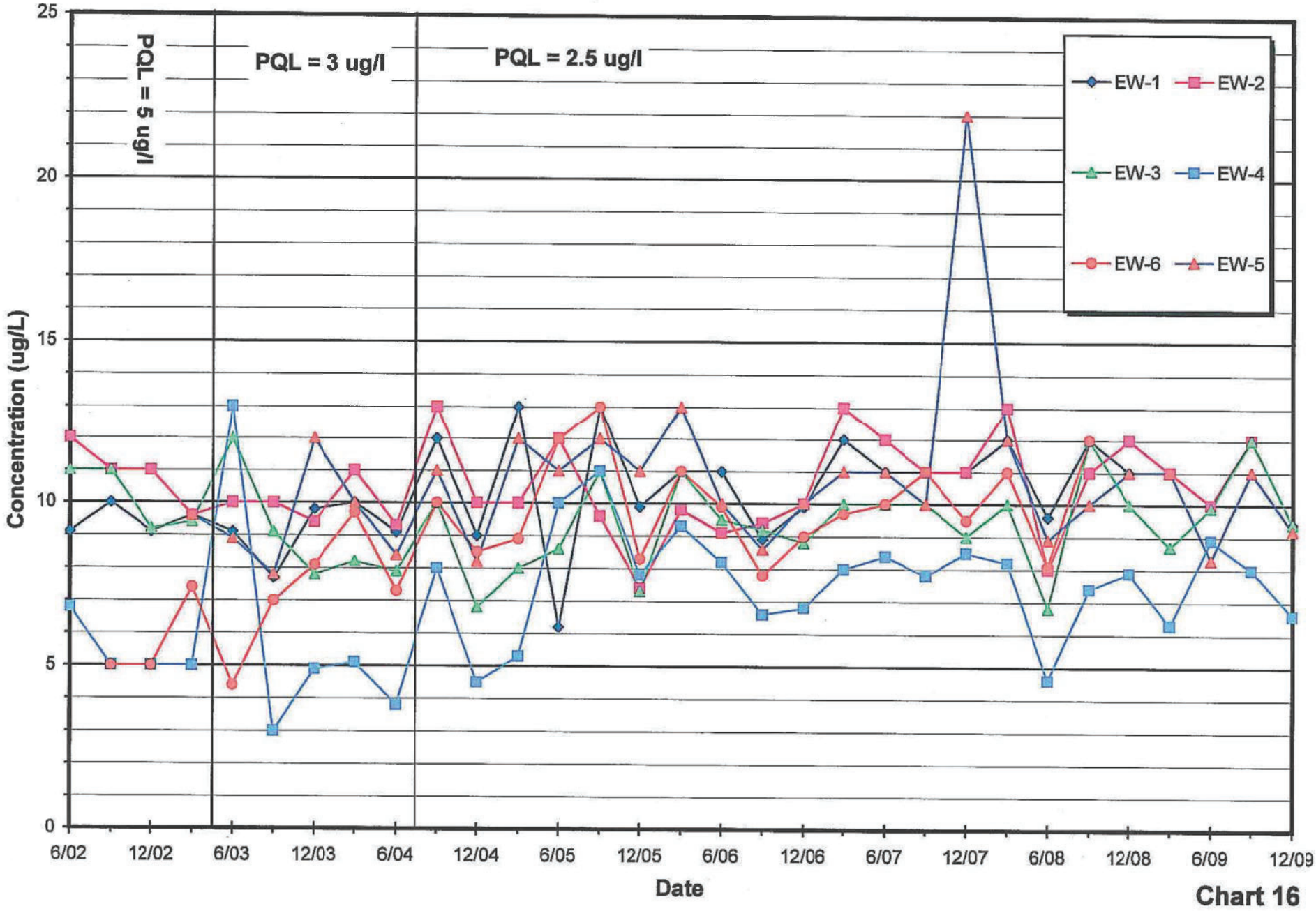


Chart 16

Zinc Concentration

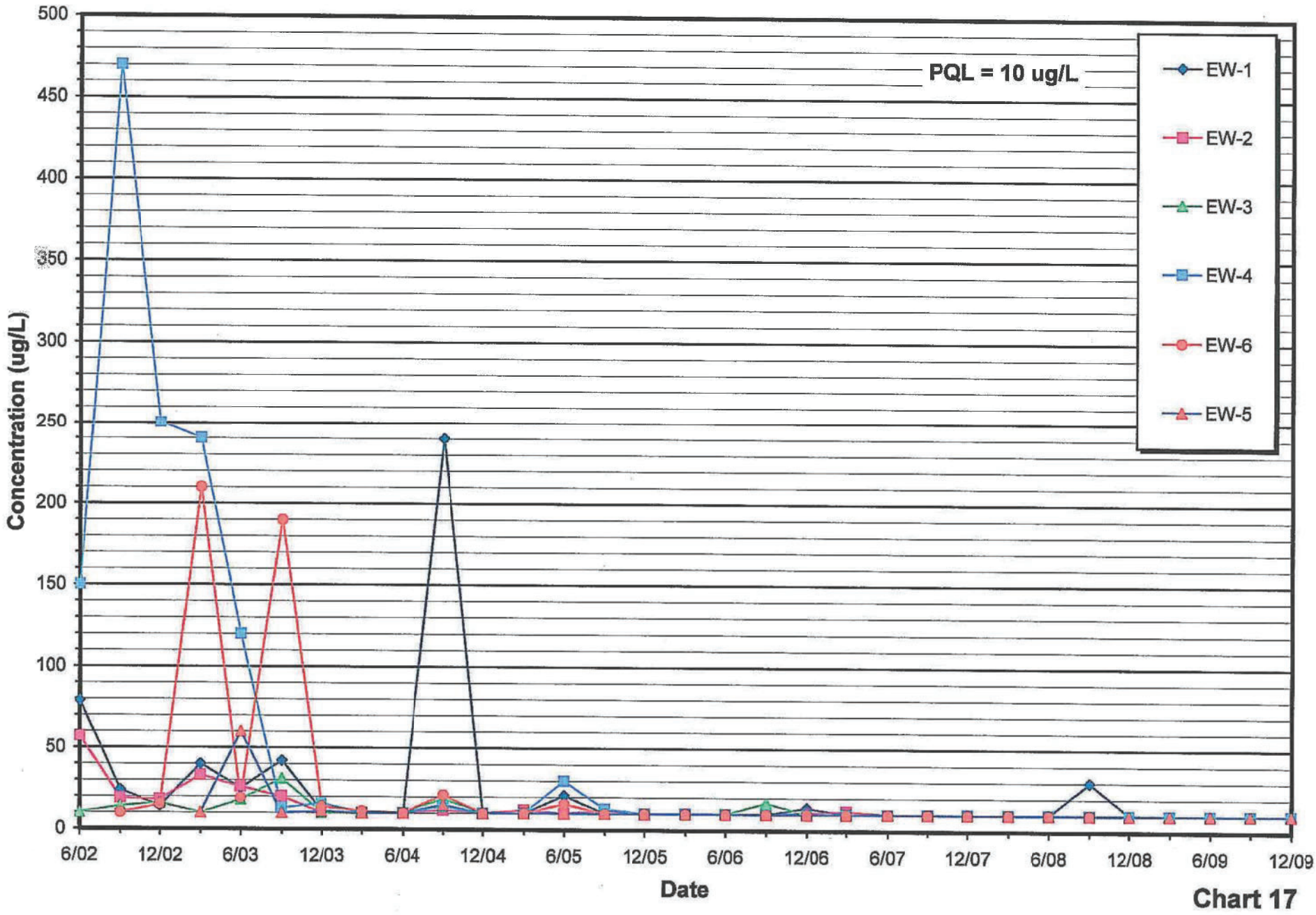


Chart 17

Aluminum Concentration

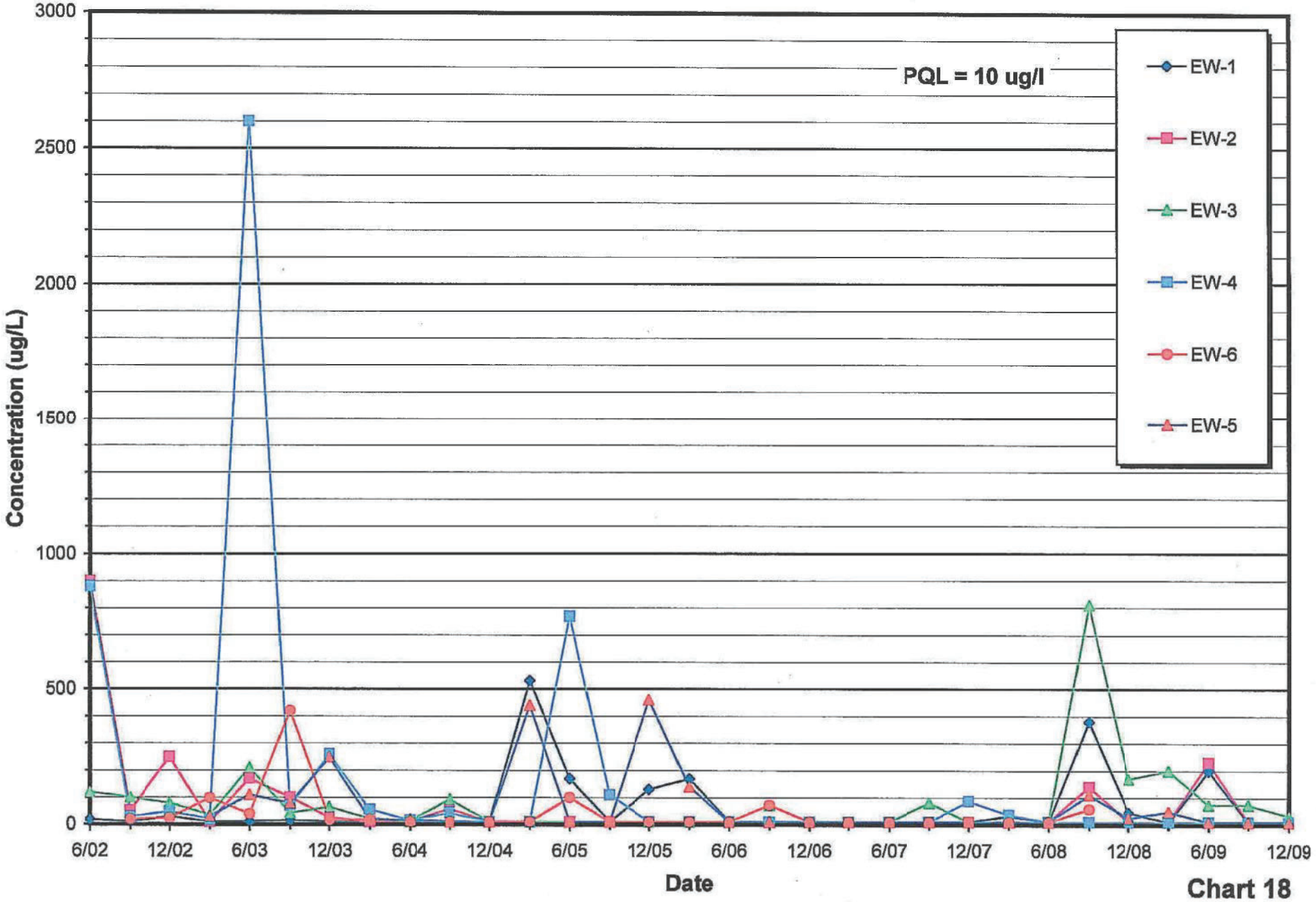


Chart 18

Manganese Concentration

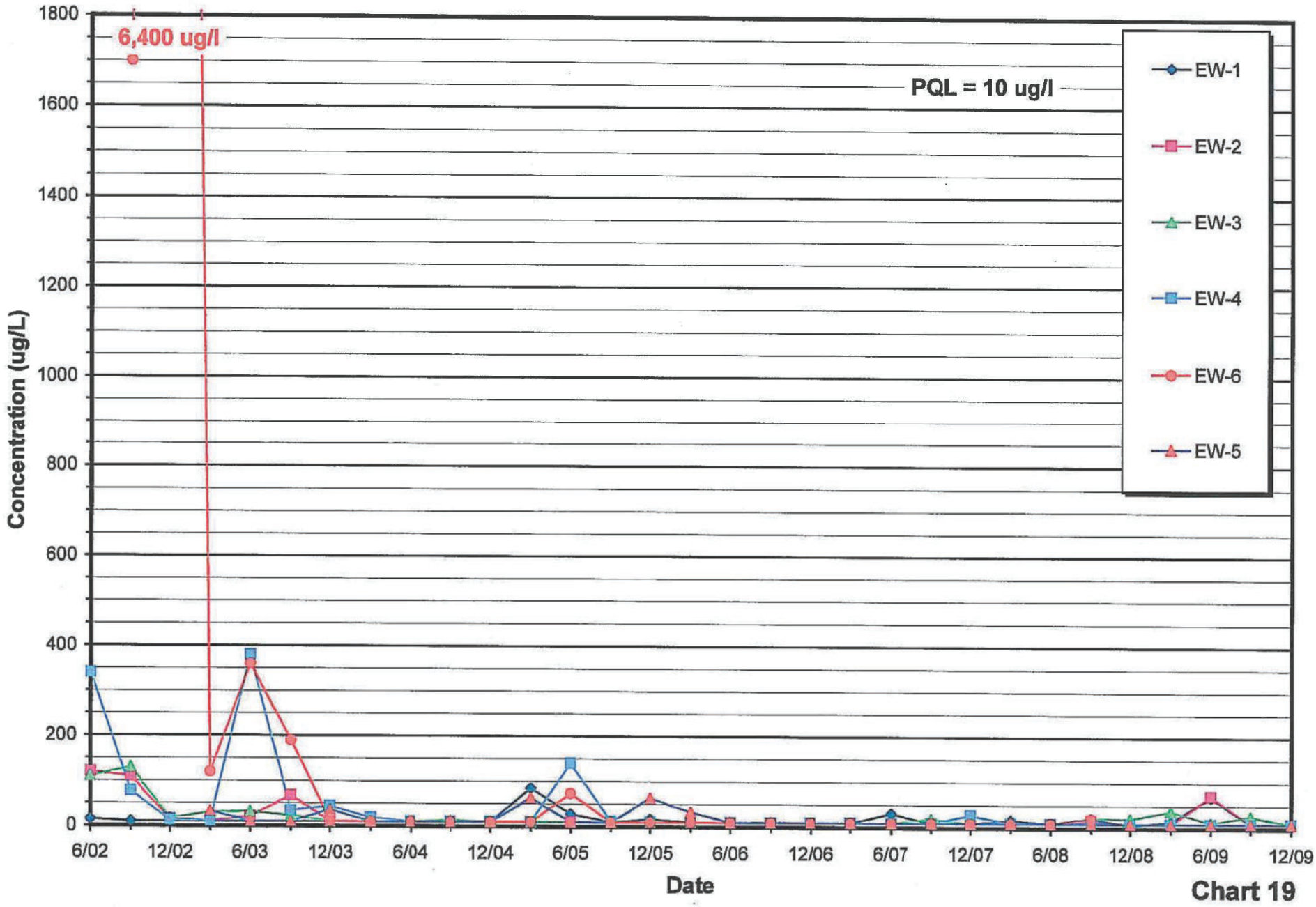


Chart 19

Nitrate Concentration

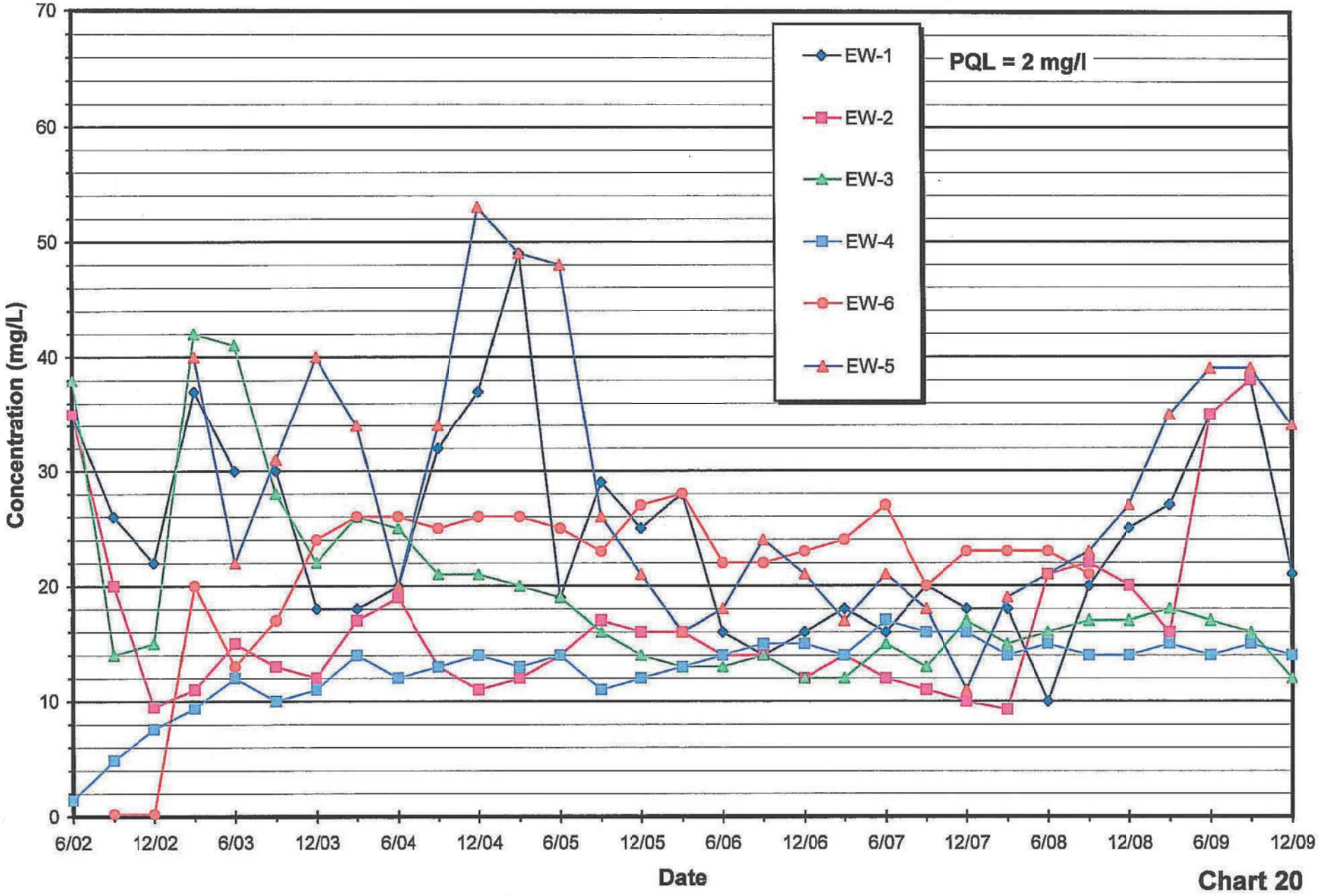


Chart 20

Calcium Concentration

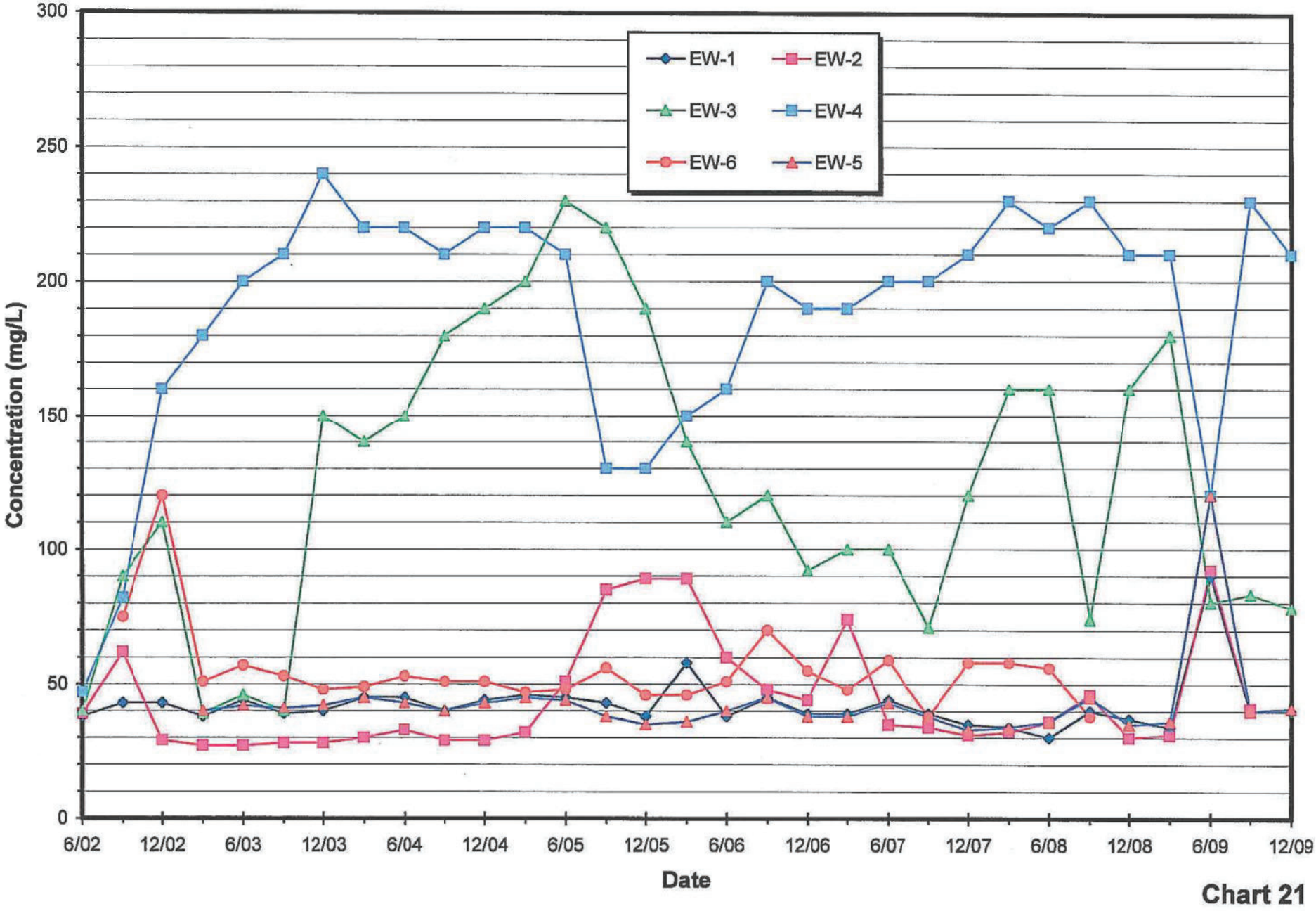


Chart 21

Magnesium Concentration

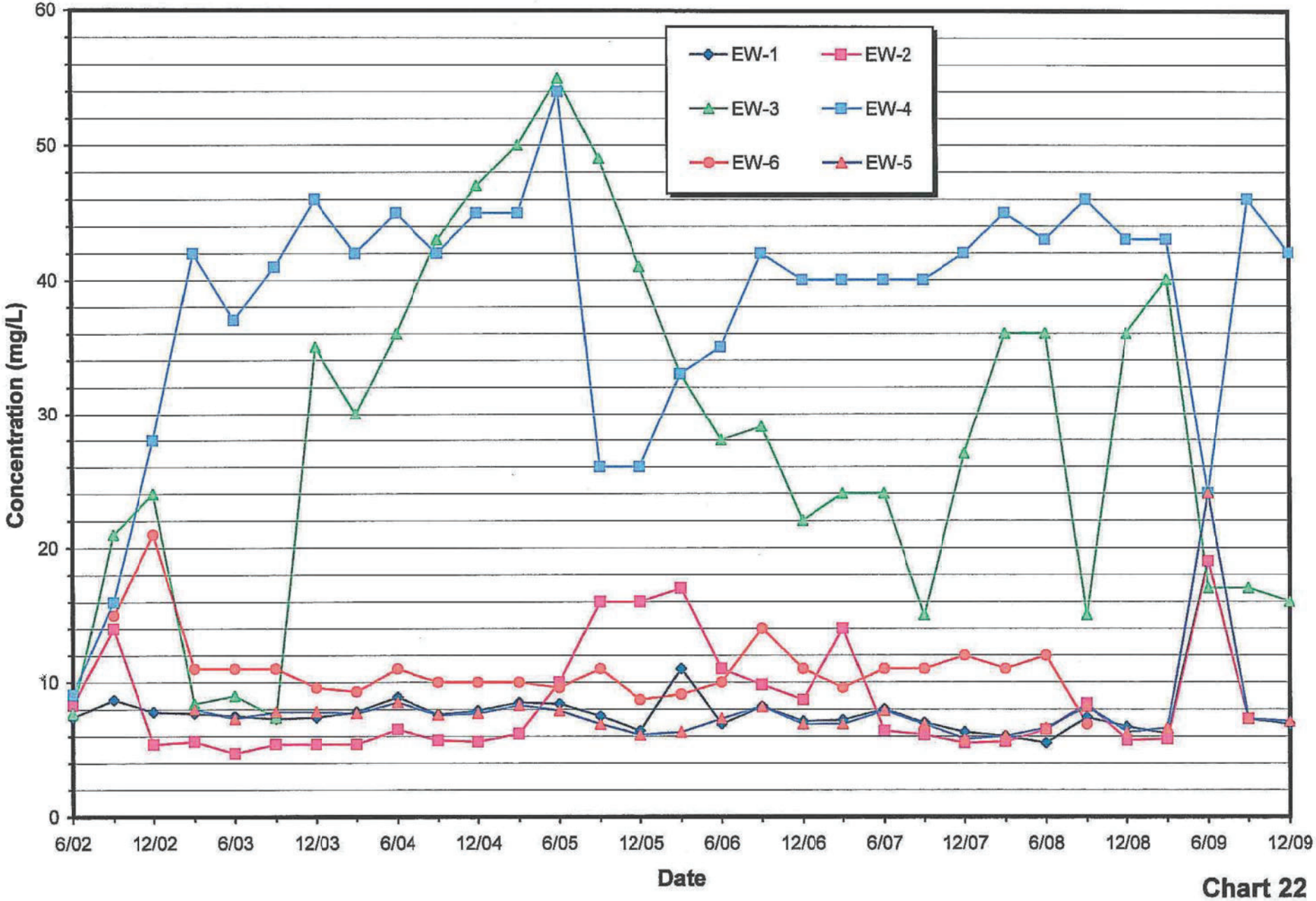


Chart 22

Sodium Concentration

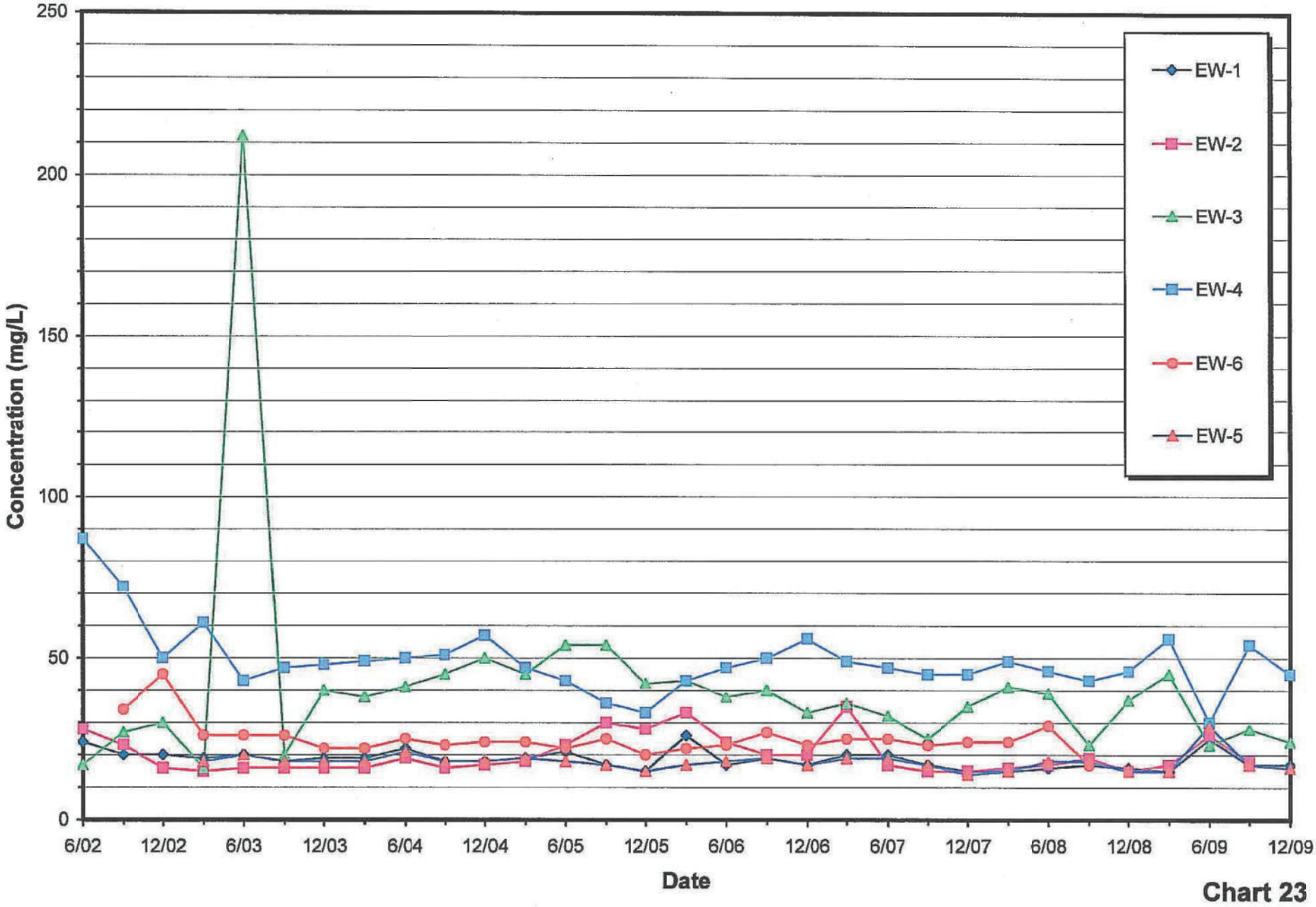


Chart 23

Potassium Concentration

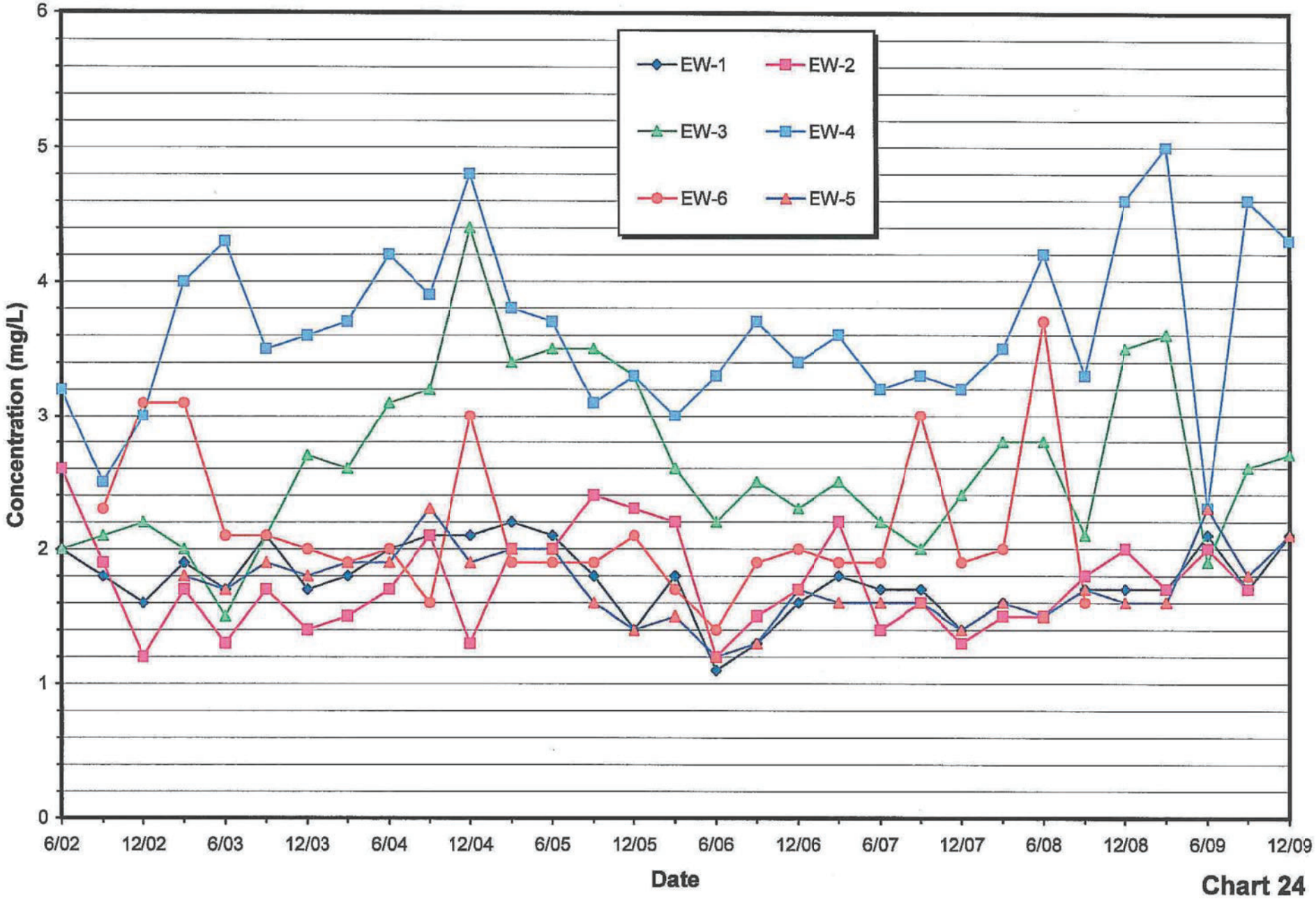


Chart 24

Bicarbonate Concentration

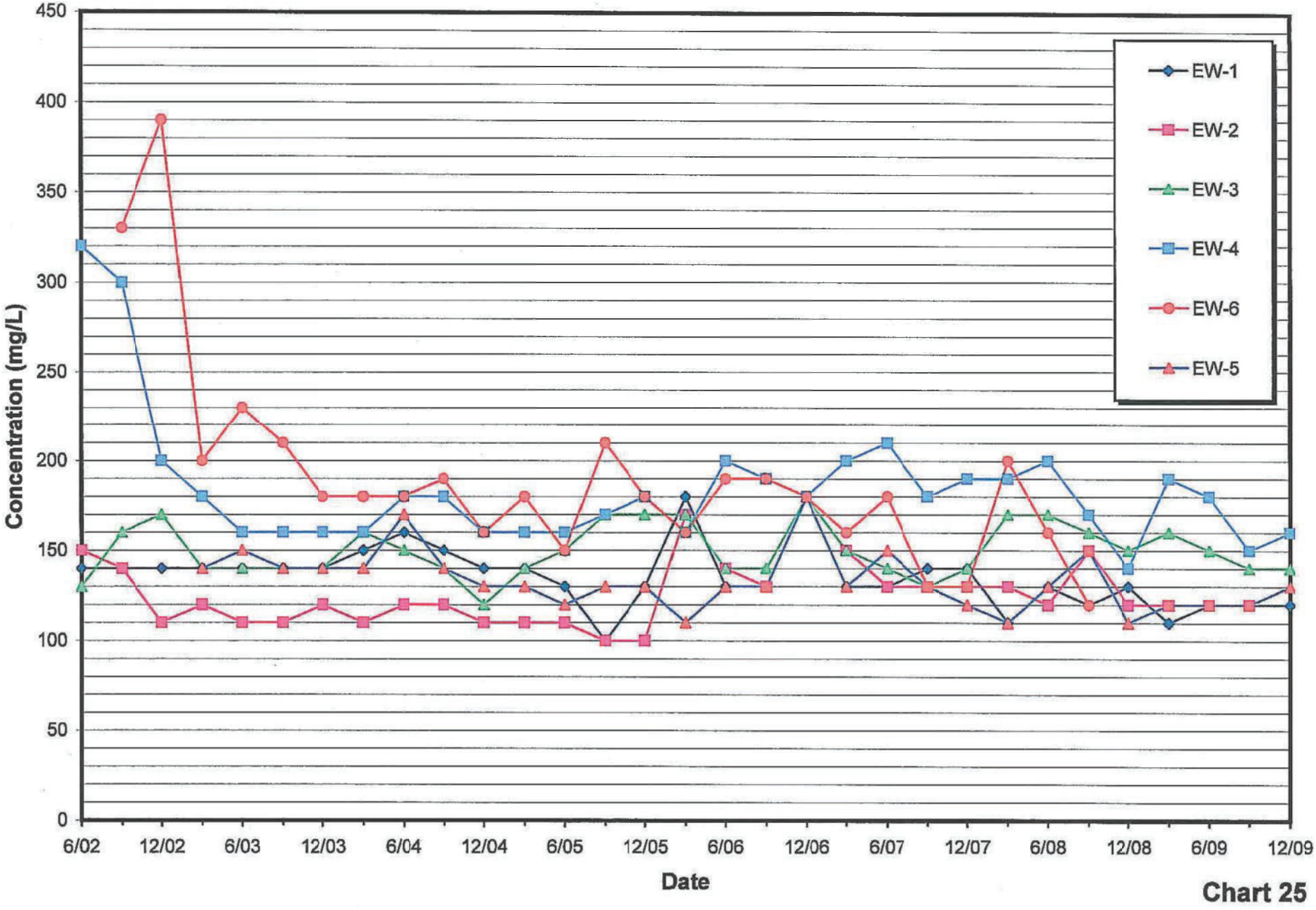


Chart 25

Sulfate Concentration

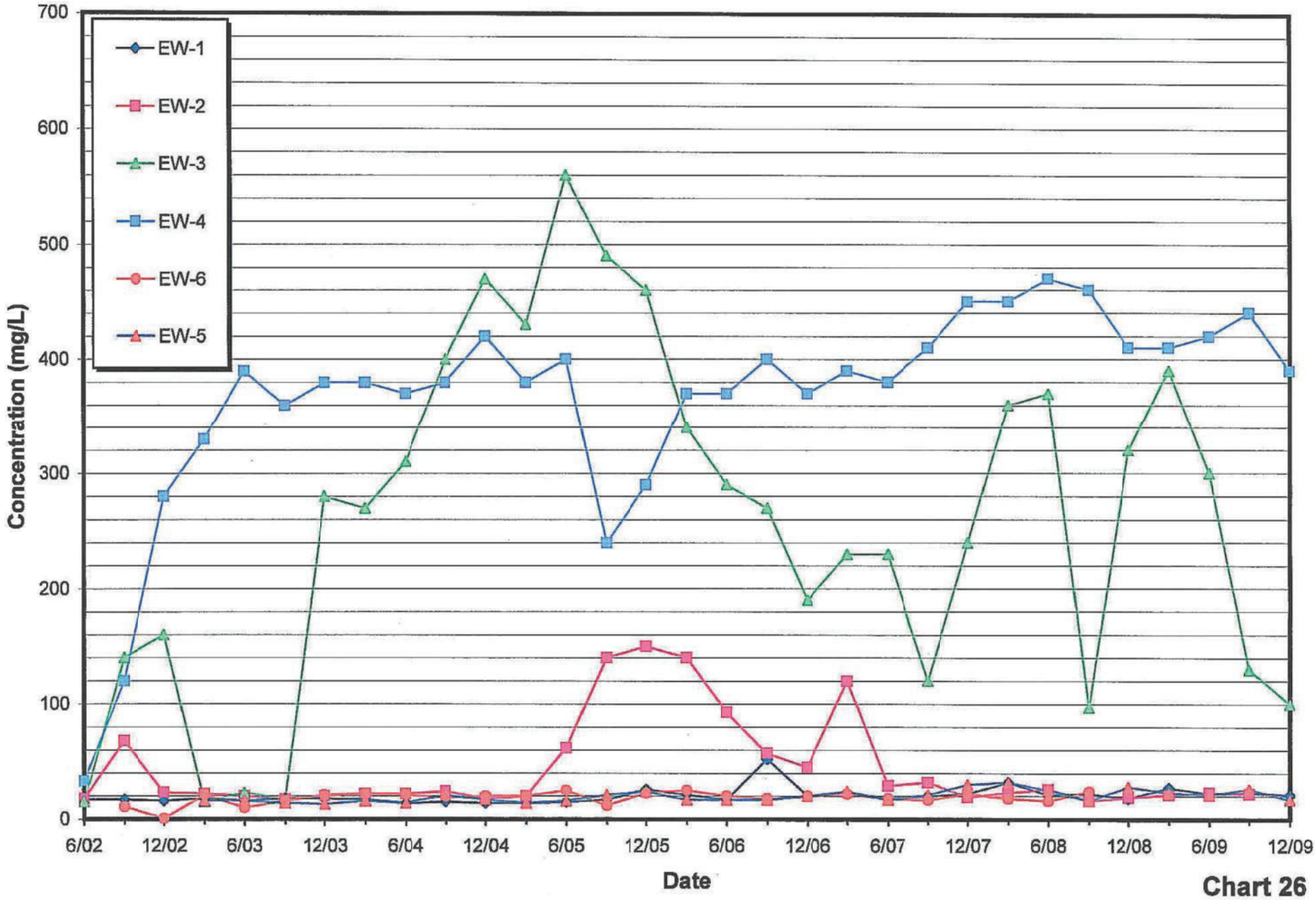


Chart 26

Appendix 3: Chain-of-Custody Forms

WIL Weck Laboratories, Inc.

Analytical Laboratory Services • Since 1964

14859 East Clark Avenue • Industry, CA 91745

Tel 626-336-2139 • Fax 626-336-2634 • www.wecklabs.com

CHAIN OF CUSTODY RECORD

9L03026

Page 1 Of 1

CLIENT NAME: So. CALIF EDISON

PROJECT: ETIWANDA

ADDRESS: 2244 WALNUT GROVE AVE. ROSEMEAD CA 91770

PHONE #: 626 3024033

FAX #:

E MAIL:

P.O.#:

PROJECT MANAGER: R. WEIDNER

SAMPLER: P. HAMILTON

ANALYSIS REQUESTED

SPECIAL HANDLING

- ☐ Same Day Rush 150%
- ☐ 24 Hour Rush 100%
- ☐ 48 - 72 Hour Rush 75%
- ☐ 4 - 5 Day Rush 30%
- ☐ Rush Extraction 50%
- ☒ 10 - 15 Business Days
- ☐ QA/QC Package

Charges Will Apply For Weekends And Holidays

Method of Shipment _____

ID# (For lab Use Only)	DATE SAMPLED	TIME SAMPLED	SMPL TYPE	SAMPLE IDENTIFICATION/SITE LOCATION	# OF CONT.	CAM METALS	pH, TDS	Cl, FR	Cl, F2	Mn, NO3	Chromium +6	8260	Gen Mineral			COMMENTS
	12/3/09	0500	GW	EW-4	7	X							X			
		0510		EW-101	2							X				
		0600		EW-3	7	X							X			
		0620		EW-103	7	X							X			
		0730		EW-1	7	X							X			
		0740		EW-102	1							X				
		0830		EW-5	7	X							X			
		0840		EW-104	2							X				

RELINQUISHED BY:		DATE / TIME	RECEIVED BY:	
SIGNATURE: Pat Hamilton	PRINT NAME	12/3/09 1135	SIGNATURE: James Gimson 12/3/09 1135	PRINT NAME
SIGNATURE	PRINT NAME		SIGNATURE	PRINT NAME
SIGNATURE	PRINT NAME		SIGNATURE	PRINT NAME

SAMPLE CONDITION:

Actual Temperature: 25C

Received On Ice (Y) N

Preserved Y (N)

Evidence Seals Present Y / (N)

Container Attacked Y / (N)

Preserved at Lab Y / (N)

SAMPLE TYPE CODE:

AQ = Aqueous
NA = Non Aqueous
SL = Sludge
DW = Drinking Water
WW = Waste Water
RW = Rain Water
GW = Ground Water
SO = Soil
SW = Solid Waste
OL = Oil
OT = Other Matrix

PRESCHEDULED RUSH ANALYSES WILL TAKE PRIORITY OVER UNSCHEDULED RUSH REQUESTS. CLIENT AGREES TO TERMS AND CONDITIONS (SEE BACK OF THIS FORM).

SPECIAL REQUIREMENTS / BILLING INFORMATION

DISTRIBUTION: WHITE & CANARY - For Laboratory PINK - For Client

Certificate of Analysis

Report Date: Tuesday, January 5, 2010
Received Date: Thursday, December 3, 2009
Received Time: 11:35 am
Turnaround Time: Normal

Client: Southern California Edison
2244 Walnut Grove Avenue
Rosemead, CA 91770

Attn: R. Weidner
Project: Etiwanda

Phones: (626) 302-2153
Fax: (626) 302-3005

P.O. #:

Lab Sample ID: 9L03026-01 **Sample ID:** EW-4 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 05:00

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Calcium, Total	**210**	0.016	0.10	mg/l	1x1	EPA 200.7	12/10/09	12/12/09 9:24	W9L0464	
Iron, Total	ND	1.1	20	ug/l	1x1	EPA 200.7	12/10/09	12/12/09 9:24	W9L0464	
Magnesium, Total	**42**	0.012	0.10	mg/l	1x1	EPA 200.7	12/10/09	12/12/09 9:24	W9L0464	
Manganese, Total	ND	2.6	10	ug/l	1x1	EPA 200.7	12/10/09	12/12/09 9:24	W9L0464	
Potassium, Total	**4.3**	0.081	0.10	mg/l	1x1	EPA 200.7	12/10/09	12/12/09 9:24	W9L0464	
Sodium, Total	**45**	0.015	0.50	mg/l	1x1	EPA 200.7	12/10/09	12/12/09 9:24	W9L0464	
Aluminum, Total	ND	0.19	10	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:24	W9L0466	
Antimony, Total	ND	0.0080	2.5	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:24	W9L0466	
Arsenic, Total	ND	0.014	2.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:24	W9L0466	
Barium, Total	**41**	0.024	2.5	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:24	W9L0466	
Beryllium, Total	ND	0.022	0.50	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:24	W9L0466	
Cadmium, Total	ND	0.013	0.50	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:24	W9L0466	
Chromium, Total	**21**	0.012	1.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:24	W9L0466	
Cobalt, Total	ND	0.0050	0.50	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:24	W9L0466	
Copper, Total	ND	0.022	2.5	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:24	W9L0466	
Lead, Total	ND	0.017	1.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:24	W9L0466	
Molybdenum, Total	**2.2**	0.0090	0.50	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:24	W9L0466	
Nickel, Total	**4.2**	0.011	4.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:24	W9L0466	
Selenium, Total	**2.6**	0.017	2.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:24	W9L0466	
Silver, Total	ND	0.0080	1.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:24	W9L0466	
Thallium, Total	ND	0.020	1.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:24	W9L0466	
Vanadium, Total	**6.6**	0.0090	2.5	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:24	W9L0466	
Zinc, Total	ND	0.30	10	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:24	W9L0466	
Chromium 6+	**20**	0.012	0.60	ug/l	1x2	EPA 218.6	12/3/09	12/10/09 15:38	W9L0485	
Mercury, Total	ND	0.0039	0.10	ug/l	1x1	EPA 245.1	12/14/09	12/16/09 14:53	W9L0567	
Chloride, Total	**140**	0.79	5.0	mg/l	1x10	EPA 300.0	12/9/09	12/10/09 2:18	W9L0453	
Fluoride, Total	ND	0.13	1.0	mg/l	1x10	EPA 300.0	12/9/09	12/10/09 2:18	W9L0453	
Sulfate as SO4	**390**	0.38	5.0	mg/l	1x10	EPA 300.0	12/9/09	12/10/09 2:18	W9L0453	
Nitrate as NO3	**14**	0.097	2.0	mg/l	1x1	EPA 353.2	12/3/09	12/4/09 10:31	W9L0180	
1,1,1,2-Tetrachloroethane	ND	0.47	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
1,1,1-Trichloroethane	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
1,1,2,2-Tetrachloroethane	ND	0.17	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Lab Sample ID: 9L03026-01 **Sample ID:** EW-4 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 05:00

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
1,1,2-Trichloroethane	ND	0.19	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
1,1-Dichloroethane	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
1,1-Dichloroethene	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
1,1-Dichloropropene	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
1,2,3-Trichlorobenzene	ND	0.30	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
1,2,3-Trichloropropane	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
1,2,4-Trichlorobenzene	ND	0.42	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
1,2,4-Trimethylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
1,2-Dibromo-3-chloropropane	ND	0.21	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
1,2-Dibromoethane (EDB)	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
1,2-Dichloroethane	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
1,2-Dichloropropane	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
1,3,5-Trimethylbenzene	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
1,3-Dichloropropane	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
2,2-Dichloropropane	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
2-Butanone	ND	0.16	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
2-Chloroethyl vinyl ether	ND	0.24	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
2-Chlorotoluene	ND	0.19	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
2-Hexanone	ND	0.13	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
4-Chlorotoluene	ND	0.21	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
4-Methyl-2-pentanone	ND	0.13	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Acetone	ND	0.87	10	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Acrolein	ND	0.27	10	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Acrylonitrile	ND	0.11	10	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Benzene	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Bromobenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Bromochloromethane	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Bromodichloromethane	ND	0.17	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Bromoform	ND	0.086	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Bromomethane	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Carbon tetrachloride	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Chlorobenzene	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Chloroethane	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Chloroform	**2.0**	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Chloromethane	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
cis-1,2-Dichloroethene	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
cis-1,3-Dichloropropene	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Dibromochloromethane	ND	0.20	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Dibromomethane	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Dichlorodifluoromethane (Freon 12)	ND	0.23	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Ethylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Hexachlorobutadiene	ND	0.34	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Isopropylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
m,p-Xylene	ND	0.30	2.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Lab Sample ID: 9L03026-01 **Sample ID:** EW-4 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 05:00

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
m-Dichlorobenzene	ND	0.16	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Methyl tert-butyl ether (MTBE)	ND	0.14	3.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Methylene chloride	ND	0.19	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Naphthalene	ND	0.39	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
n-Butylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
n-Propylbenzene	ND	0.25	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
o-Dichlorobenzene	ND	0.18	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
o-Xylene	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
p-Dichlorobenzene	ND	0.13	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
p-Isopropyltoluene	ND	0.24	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
sec-Butylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Styrene	ND	0.11	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
tert-Butylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Tetrachloroethene	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Toluene	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
trans-1,2-Dichloroethene	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
trans-1,3-Dichloropropene	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Trichloroethene	ND	0.11	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Trichlorofluoromethane	ND	0.24	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Vinyl chloride	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:50	W9L0399	
Surrogate: 1,2-Dichloroethane-d4	*104 %*		*76-122*							
Surrogate: 4-Bromofluorobenzene	*101 %*		*72-124*							
Surrogate: Dibromofluoromethane	*107 %*		*75-128*							
Surrogate: Toluene-d8	*110 %*		*86-113*							
Alkalinity as CaCO3	**130**		2.0	mg/l	1	SM 2320B	12/3/09	12/3/09 15:49	W9L0123	
Bicarbonate Alkalinity as HCO3	**160**		2.0	mg/l	1	SM 2320B	12/3/09	12/3/09 15:49	W9L0123	
Specific Conductance (EC)	**1600**	0.47	4.0	umhos/cm	1x2	SM2510B	12/8/09	12/9/09 19:00	W9L0342	
Total Dissolved Solids	**1100**	4.0	10	mg/l	1x1	SM2540C	12/8/09	12/8/09 14:00	W9L0355	
pH	**7.30**	0.10	0.10	Units	1x1	SM4500 H+ B	12/3/09	12/3/09 20:32	W9L0187	

Lab Sample ID: 9L03026-02 **Sample ID:** EW-101 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 05:10

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
1,1,1,2-Tetrachloroethane	ND	0.47	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
1,1,1-Trichloroethane	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
1,1,2,2-Tetrachloroethane	ND	0.17	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
1,1,2-Trichloroethane	ND	0.19	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
1,1-Dichloroethane	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
1,1-Dichloroethene	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
1,1-Dichloropropene	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
1,2,3-Trichlorobenzene	ND	0.30	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
1,2,3-Trichloropropane	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
1,2,4-Trichlorobenzene	ND	0.42	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Lab Sample ID: 9L03026-02 **Sample ID:** EW-101 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 05:10

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
1,2,4-Trimethylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
1,2-Dibromo-3-chloropropane	ND	0.21	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
1,2-Dibromoethane (EDB)	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
1,2-Dichloroethane	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
1,2-Dichloropropane	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
1,3,5-Trimethylbenzene	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
1,3-Dichloropropane	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
2,2-Dichloropropane	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
2-Butanone	ND	0.16	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
2-Chloroethyl vinyl ether	ND	0.24	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
2-Chlorotoluene	ND	0.19	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
2-Hexanone	ND	0.13	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
4-Chlorotoluene	ND	0.21	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
4-Methyl-2-pentanone	ND	0.13	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Acetone	ND	0.87	10	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Acrolein	ND	0.27	10	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Acrylonitrile	ND	0.11	10	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Benzene	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Bromobenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Bromochloromethane	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Bromodichloromethane	ND	0.17	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Bromoform	ND	0.086	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Bromomethane	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Carbon tetrachloride	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Chlorobenzene	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Chloroethane	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Chloroform	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Chloromethane	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
cis-1,2-Dichloroethene	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
cis-1,3-Dichloropropene	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Dibromochloromethane	ND	0.20	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Dibromomethane	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Dichlorodifluoromethane (Freon 12)	ND	0.23	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Ethylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Hexachlorobutadiene	ND	0.34	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Isopropylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
m,p-Xylene	ND	0.30	2.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
m-Dichlorobenzene	ND	0.16	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Methyl tert-butyl ether (MTBE)	ND	0.14	3.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Methylene chloride	ND	0.19	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Naphthalene	ND	0.39	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
n-Butylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
n-Propylbenzene	ND	0.25	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
o-Dichlorobenzene	ND	0.18	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Lab Sample ID: 9L03026-02 **Sample ID:** EW-101 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 05:10

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
o-Xylene	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
p-Dichlorobenzene	ND	0.13	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
p-Isopropyltoluene	ND	0.24	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
sec-Butylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Styrene	ND	0.11	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
tert-Butylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Tetrachloroethene	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Toluene	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
trans-1,2-Dichloroethene	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
trans-1,3-Dichloropropene	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Trichloroethene	ND	0.11	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Trichlorofluoromethane	ND	0.24	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Vinyl chloride	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:01	W9L0399	
Surrogate: 1,2-Dichloroethane-d4	*105 %*		*76-122*							
Surrogate: 4-Bromofluorobenzene	*101 %*		*72-124*							
Surrogate: Dibromofluoromethane	*107 %*		*75-128*							
Surrogate: Toluene-d8	*110 %*		*86-113*							

Lab Sample ID: 9L03026-03 **Sample ID:** EW-3 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 06:00

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Calcium, Total	**78**	0.016	0.10	mg/l	1x1	EPA 200.7	12/10/09	12/12/09 9:32	W9L0464	
Iron, Total	**45**	1.1	20	ug/l	1x1	EPA 200.7	12/10/09	12/12/09 9:32	W9L0464	
Magnesium, Total	**16**	0.012	0.10	mg/l	1x1	EPA 200.7	12/10/09	12/12/09 9:32	W9L0464	
Manganese, Total	ND	2.6	10	ug/l	1x1	EPA 200.7	12/10/09	12/12/09 9:32	W9L0464	
Potassium, Total	**2.7**	0.081	0.10	mg/l	1x1	EPA 200.7	12/10/09	12/12/09 9:32	W9L0464	
Sodium, Total	**24**	0.015	0.50	mg/l	1x1	EPA 200.7	12/10/09	12/12/09 9:32	W9L0464	
Aluminum, Total	**32**	0.19	10	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:28	W9L0466	
Antimony, Total	ND	0.0080	2.5	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:28	W9L0466	
Arsenic, Total	ND	0.014	2.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:28	W9L0466	
Barium, Total	**52**	0.024	2.5	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:28	W9L0466	
Beryllium, Total	ND	0.022	0.50	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:28	W9L0466	
Cadmium, Total	ND	0.013	0.50	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:28	W9L0466	
Chromium, Total	**6.7**	0.012	1.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:28	W9L0466	
Cobalt, Total	ND	0.0050	0.50	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:28	W9L0466	
Copper, Total	ND	0.022	2.5	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:28	W9L0466	
Lead, Total	ND	0.017	1.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:28	W9L0466	
Molybdenum, Total	**3.2**	0.0090	0.50	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:28	W9L0466	
Nickel, Total	ND	0.011	4.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:28	W9L0466	
Selenium, Total	ND	0.017	2.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:28	W9L0466	
Silver, Total	ND	0.0080	1.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:28	W9L0466	
Thallium, Total	ND	0.020	1.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:28	W9L0466	
Vanadium, Total	**9.4**	0.0090	2.5	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:28	W9L0466	

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Lab Sample ID: 9L03026-03 **Sample ID:** EW-3 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 06:00

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Zinc, Total	ND	0.30	10	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:28	W9L0466	
Chromium 6+	**6.3**	0.0059	0.30	ug/l	1x1	EPA 218.6	12/3/09	12/3/09 18:05	W9L0223	
Mercury, Total	ND	0.0039	0.10	ug/l	1x1	EPA 245.1	12/14/09	12/16/09 14:53	W9L0567	
Chloride, Total	**33**	0.79	5.0	mg/l	1x10	EPA 300.0	12/9/09	12/10/09 2:18	W9L0453	
Fluoride, Total	ND	0.13	1.0	mg/l	1x10	EPA 300.0	12/9/09	12/10/09 2:18	W9L0453	
Sulfate as SO4	**100**	0.38	5.0	mg/l	1x10	EPA 300.0	12/9/09	12/10/09 2:18	W9L0453	
Nitrate as NO3	**12**	0.097	2.0	mg/l	1x1	EPA 353.2	12/3/09	12/4/09 10:37	W9L0180	
1,1,1,2-Tetrachloroethane	ND	0.47	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
1,1,1-Trichloroethane	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
1,1,2,2-Tetrachloroethane	ND	0.17	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
1,1,2-Trichloroethane	ND	0.19	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
1,1-Dichloroethane	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
1,1-Dichloroethene	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
1,1-Dichloropropene	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
1,2,3-Trichlorobenzene	ND	0.30	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
1,2,3-Trichloropropane	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
1,2,4-Trichlorobenzene	ND	0.42	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
1,2,4-Trimethylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
1,2-Dibromo-3-chloropropane	ND	0.21	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
1,2-Dibromoethane (EDB)	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
1,2-Dichloroethane	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
1,2-Dichloropropane	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
1,3,5-Trimethylbenzene	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
1,3-Dichloropropane	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
2,2-Dichloropropane	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
2-Butanone	ND	0.16	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
2-Chloroethyl vinyl ether	ND	0.24	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
2-Chlorotoluene	ND	0.19	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
2-Hexanone	ND	0.13	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
4-Chlorotoluene	ND	0.21	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
4-Methyl-2-pentanone	ND	0.13	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Acetone	ND	0.87	10	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Acrolein	ND	0.27	10	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Acrylonitrile	ND	0.11	10	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Benzene	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Bromobenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Bromochloromethane	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Bromodichloromethane	ND	0.17	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Bromoform	ND	0.086	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Bromomethane	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Carbon tetrachloride	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Chlorobenzene	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Chloroethane	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Chloroform	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Lab Sample ID: 9L03026-03 **Sample ID:** EW-3 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 06:00

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Chloromethane	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
cis-1,2-Dichloroethene	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
cis-1,3-Dichloropropene	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Dibromochloromethane	ND	0.20	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Dibromomethane	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Dichlorodifluoromethane (Freon 12)	ND	0.23	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Ethylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Hexachlorobutadiene	ND	0.34	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Isopropylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
m,p-Xylene	ND	0.30	2.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
m-Dichlorobenzene	ND	0.16	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Methyl tert-butyl ether (MTBE)	ND	0.14	3.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Methylene chloride	ND	0.19	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Naphthalene	ND	0.39	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
n-Butylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
n-Propylbenzene	ND	0.25	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
o-Dichlorobenzene	ND	0.18	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
o-Xylene	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
p-Dichlorobenzene	ND	0.13	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
p-Isopropyltoluene	ND	0.24	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
sec-Butylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Styrene	ND	0.11	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
tert-Butylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Tetrachloroethene	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Toluene	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
trans-1,2-Dichloroethene	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
trans-1,3-Dichloropropene	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Trichloroethene	ND	0.11	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Trichlorofluoromethane	ND	0.24	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Vinyl chloride	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:15	W9L0399	
Surrogate: 1,2-Dichloroethane-d4	*104 %*		*76-122*							
Surrogate: 4-Bromofluorobenzene	*99 %*		*72-124*							
Surrogate: Dibromofluoromethane	*107 %*		*75-128*							
Surrogate: Toluene-d8	*110 %*		*86-113*							
Alkalinity as CaCO3	**120**		2.0	mg/l	1	SM 2320B	12/3/09	12/3/09 15:49	W9L0123	
Bicarbonate Alkalinity as HCO3	**140**		2.0	mg/l	1	SM 2320B	12/3/09	12/3/09 15:49	W9L0123	
Specific Conductance (EC)	**600**	0.23	2.0	umhos/cm	1x1	SM2510B	12/8/09	12/9/09 19:00	W9L0342	
Total Dissolved Solids	**400**	4.0	10	mg/l	1x1	SM2540C	12/8/09	12/8/09 14:00	W9L0355	
pH	**7.53**	0.10	0.10	Units	1x1	SM4500 H+ B	12/3/09	12/3/09 20:32	W9L0187	

Lab Sample ID: 9L03026-04 **Sample ID:** EW-103 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 06:20

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Lab Sample ID: 9L03026-04 **Sample ID:** EW-103 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 06:20

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Calcium, Total	**75**	0.016	0.10	mg/l	1x1	EPA 200.7	12/10/09	12/12/09 9:34	W9L0464	
Iron, Total	**48**	1.1	20	ug/l	1x1	EPA 200.7	12/10/09	12/12/09 9:34	W9L0464	
Magnesium, Total	**15**	0.012	0.10	mg/l	1x1	EPA 200.7	12/10/09	12/12/09 9:34	W9L0464	
Manganese, Total	ND	2.6	10	ug/l	1x1	EPA 200.7	12/10/09	12/12/09 9:34	W9L0464	
Potassium, Total	**2.4**	0.081	0.10	mg/l	1x1	EPA 200.7	12/10/09	12/12/09 9:34	W9L0464	
Sodium, Total	**24**	0.015	0.50	mg/l	1x1	EPA 200.7	12/10/09	12/12/09 9:34	W9L0464	
Aluminum, Total	**34**	0.19	10	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:32	W9L0466	
Antimony, Total	ND	0.0080	2.5	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:32	W9L0466	
Arsenic, Total	ND	0.014	2.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:32	W9L0466	
Barium, Total	**53**	0.024	2.5	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:32	W9L0466	
Beryllium, Total	ND	0.022	0.50	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:32	W9L0466	
Cadmium, Total	ND	0.013	0.50	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:32	W9L0466	
Chromium, Total	**6.9**	0.012	1.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:32	W9L0466	
Cobalt, Total	ND	0.0050	0.50	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:32	W9L0466	
Copper, Total	ND	0.022	2.5	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:32	W9L0466	
Lead, Total	ND	0.017	1.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:32	W9L0466	
Molybdenum, Total	**3.2**	0.0090	0.50	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:32	W9L0466	
Nickel, Total	ND	0.011	4.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:32	W9L0466	
Selenium, Total	ND	0.017	2.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:32	W9L0466	
Silver, Total	ND	0.0080	1.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:32	W9L0466	
Thallium, Total	ND	0.020	1.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:32	W9L0466	
Vanadium, Total	**9.6**	0.0090	2.5	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:32	W9L0466	
Zinc, Total	ND	0.30	10	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:32	W9L0466	
Chromium 6+	**6.3**	0.0059	0.30	ug/l	1x1	EPA 218.6	12/3/09	12/3/09 18:34	W9L0223	
Mercury, Total	ND	0.0039	0.10	ug/l	1x1	EPA 245.1	12/14/09	12/16/09 14:53	W9L0567	
Chloride, Total	**29**	0.79	5.0	mg/l	1x10	EPA 300.0	12/9/09	12/10/09 2:18	W9L0453	
Fluoride, Total	ND	0.13	1.0	mg/l	1x10	EPA 300.0	12/9/09	12/10/09 2:18	W9L0453	
Sulfate as SO4	**97**	0.38	5.0	mg/l	1x10	EPA 300.0	12/9/09	12/10/09 2:18	W9L0453	
Nitrate as NO3	**11**	0.097	2.0	mg/l	1x1	EPA 353.2	12/3/09	12/4/09 10:39	W9L0180	
1,1,1,2-Tetrachloroethane	ND	0.47	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
1,1,1-Trichloroethane	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
1,1,2,2-Tetrachloroethane	ND	0.17	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
1,1,2-Trichloroethane	ND	0.19	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
1,1-Dichloroethane	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
1,1-Dichloroethene	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
1,1-Dichloropropene	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
1,2,3-Trichlorobenzene	ND	0.30	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
1,2,3-Trichloropropane	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
1,2,4-Trichlorobenzene	ND	0.42	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
1,2,4-Trimethylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
1,2-Dibromo-3-chloropropane	ND	0.21	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
1,2-Dibromoethane (EDB)	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
1,2-Dichloroethane	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
1,2-Dichloropropane	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Lab Sample ID: 9L03026-04 **Sample ID:** EW-103 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 06:20

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
1,3,5-Trimethylbenzene	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
1,3-Dichloropropane	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
2,2-Dichloropropane	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
2-Butanone	ND	0.16	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
2-Chloroethyl vinyl ether	ND	0.24	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
2-Chlorotoluene	ND	0.19	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
2-Hexanone	ND	0.13	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
4-Chlorotoluene	ND	0.21	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
4-Methyl-2-pentanone	ND	0.13	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Acetone	ND	0.87	10	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Acrolein	ND	0.27	10	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Acrylonitrile	ND	0.11	10	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Benzene	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Bromobenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Bromochloromethane	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Bromodichloromethane	ND	0.17	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Bromoform	ND	0.086	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Bromomethane	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Carbon tetrachloride	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Chlorobenzene	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Chloroethane	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Chloroform	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Chloromethane	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
cis-1,2-Dichloroethene	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
cis-1,3-Dichloropropene	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Dibromochloromethane	ND	0.20	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Dibromomethane	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Dichlorodifluoromethane (Freon 12)	ND	0.23	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Ethylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Hexachlorobutadiene	ND	0.34	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Isopropylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
m,p-Xylene	ND	0.30	2.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
m-Dichlorobenzene	ND	0.16	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Methyl tert-butyl ether (MTBE)	ND	0.14	3.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Methylene chloride	ND	0.19	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Naphthalene	ND	0.39	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
n-Butylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
n-Propylbenzene	ND	0.25	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
o-Dichlorobenzene	ND	0.18	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
o-Xylene	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
p-Dichlorobenzene	ND	0.13	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
p-Isopropyltoluene	ND	0.24	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
sec-Butylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Styrene	ND	0.11	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Lab Sample ID: 9L03026-04 **Sample ID:** EW-103 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 06:20

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
tert-Butylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Tetrachloroethene	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Toluene	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
trans-1,2-Dichloroethene	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
trans-1,3-Dichloropropene	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Trichloroethene	ND	0.11	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Trichlorofluoromethane	ND	0.24	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Vinyl chloride	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 15:40	W9L0399	
Surrogate: 1,2-Dichloroethane-d4	*104 %*		*76-122*							
Surrogate: 4-Bromofluorobenzene	*100 %*		*72-124*							
Surrogate: Dibromofluoromethane	*107 %*		*75-128*							
Surrogate: Toluene-d8	*110 %*		*86-113*							
Alkalinity as CaCO3	**120**		2.0	mg/l	1	SM 2320B	12/3/09	12/3/09 15:49	W9L0123	
Bicarbonate Alkalinity as HCO3	**150**		2.0	mg/l	1	SM 2320B	12/3/09	12/3/09 15:49	W9L0123	
Specific Conductance (EC)	**610**	0.23	2.0	umhos/cm	1x1	SM2510B	12/8/09	12/9/09 19:00	W9L0342	
Total Dissolved Solids	**400**	4.0	10	mg/l	1x1	SM2540C	12/8/09	12/8/09 14:00	W9L0355	
pH	**7.57**	0.10	0.10	Units	1x1	SM4500 H+ B	12/3/09	12/3/09 20:32	W9L0187	

Lab Sample ID: 9L03026-05 **Sample ID:** EW-1 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 07:30

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Calcium, Total	**40**	0.016	0.10	mg/l	1x1	EPA 200.7	12/10/09	12/12/09 9:36	W9L0464	
Iron, Total	ND	1.1	20	ug/l	1x1	EPA 200.7	12/10/09	12/12/09 9:36	W9L0464	
Magnesium, Total	**6.9**	0.012	0.10	mg/l	1x1	EPA 200.7	12/10/09	12/12/09 9:36	W9L0464	
Manganese, Total	ND	2.6	10	ug/l	1x1	EPA 200.7	12/10/09	12/12/09 9:36	W9L0464	
Potassium, Total	**2.1**	0.081	0.10	mg/l	1x1	EPA 200.7	12/10/09	12/12/09 9:36	W9L0464	
Sodium, Total	**17**	0.015	0.50	mg/l	1x1	EPA 200.7	12/10/09	12/12/09 9:36	W9L0464	
Aluminum, Total	ND	0.19	10	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:36	W9L0466	
Antimony, Total	ND	0.0080	2.5	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:36	W9L0466	
Arsenic, Total	ND	0.014	2.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:36	W9L0466	
Barium, Total	**76**	0.024	2.5	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:36	W9L0466	
Beryllium, Total	ND	0.022	0.50	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:36	W9L0466	
Cadmium, Total	ND	0.013	0.50	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:36	W9L0466	
Chromium, Total	**5.0**	0.012	1.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:36	W9L0466	
Cobalt, Total	ND	0.0050	0.50	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:36	W9L0466	
Copper, Total	ND	0.022	2.5	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:36	W9L0466	
Lead, Total	ND	0.017	1.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:36	W9L0466	
Molybdenum, Total	**3.6**	0.0090	0.50	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:36	W9L0466	
Nickel, Total	ND	0.011	4.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:36	W9L0466	
Selenium, Total	ND	0.017	2.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:36	W9L0466	
Silver, Total	ND	0.0080	1.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:36	W9L0466	
Thallium, Total	ND	0.020	1.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:36	W9L0466	
Vanadium, Total	**9.4**	0.0090	2.5	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:36	W9L0466	

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Lab Sample ID: 9L03026-05 **Sample ID:** EW-1 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 07:30

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Zinc, Total	ND	0.30	10	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:36	W9L0466	
Chromium 6+	**3.8**	0.0059	0.30	ug/l	1x1	EPA 218.6	12/3/09	12/3/09 18:44	W9L0223	
Mercury, Total	ND	0.0039	0.10	ug/l	1x1	EPA 245.1	12/14/09	12/16/09 14:53	W9L0567	
Chloride, Total	**11**	0.79	5.0	mg/l	1x10	EPA 300.0	12/9/09	12/10/09 2:18	W9L0453	
Fluoride, Total	ND	0.13	1.0	mg/l	1x10	EPA 300.0	12/9/09	12/10/09 2:18	W9L0453	
Sulfate as SO4	**21**	0.38	5.0	mg/l	1x10	EPA 300.0	12/9/09	12/10/09 2:18	W9L0453	
Nitrate as NO3	**21**	0.097	2.0	mg/l	1x1	EPA 353.2	12/3/09	12/4/09 10:41	W9L0180	
1,1,1,2-Tetrachloroethane	ND	0.47	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
1,1,1-Trichloroethane	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
1,1,2,2-Tetrachloroethane	ND	0.17	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
1,1,2-Trichloroethane	ND	0.19	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
1,1-Dichloroethane	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
1,1-Dichloroethene	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
1,1-Dichloropropene	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
1,2,3-Trichlorobenzene	ND	0.30	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
1,2,3-Trichloropropane	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
1,2,4-Trichlorobenzene	ND	0.42	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
1,2,4-Trimethylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
1,2-Dibromo-3-chloropropane	ND	0.21	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
1,2-Dibromoethane (EDB)	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
1,2-Dichloroethane	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
1,2-Dichloropropane	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
1,3,5-Trimethylbenzene	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
1,3-Dichloropropane	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
2,2-Dichloropropane	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
2-Butanone	ND	0.16	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
2-Chloroethyl vinyl ether	ND	0.24	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
2-Chlorotoluene	ND	0.19	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
2-Hexanone	ND	0.13	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
4-Chlorotoluene	ND	0.21	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
4-Methyl-2-pentanone	ND	0.13	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Acetone	ND	0.87	10	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Acrolein	ND	0.27	10	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Acrylonitrile	ND	0.11	10	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Benzene	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Bromobenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Bromochloromethane	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Bromodichloromethane	ND	0.17	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Bromoform	ND	0.086	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Bromomethane	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Carbon tetrachloride	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Chlorobenzene	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Chloroethane	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Chloroform	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Lab Sample ID: 9L03026-05 **Sample ID:** EW-1 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 07:30

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Chloromethane	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
cis-1,2-Dichloroethene	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
cis-1,3-Dichloropropene	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Dibromochloromethane	ND	0.20	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Dibromomethane	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Dichlorodifluoromethane (Freon 12)	ND	0.23	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Ethylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Hexachlorobutadiene	ND	0.34	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Isopropylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
m,p-Xylene	ND	0.30	2.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
m-Dichlorobenzene	ND	0.16	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Methyl tert-butyl ether (MTBE)	ND	0.14	3.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Methylene chloride	ND	0.19	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Naphthalene	ND	0.39	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
n-Butylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
n-Propylbenzene	ND	0.25	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
o-Dichlorobenzene	ND	0.18	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
o-Xylene	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
p-Dichlorobenzene	ND	0.13	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
p-Isopropyltoluene	ND	0.24	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
sec-Butylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Styrene	ND	0.11	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
tert-Butylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Tetrachloroethene	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Toluene	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
trans-1,2-Dichloroethene	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
trans-1,3-Dichloropropene	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Trichloroethene	ND	0.11	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Trichlorofluoromethane	ND	0.24	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Vinyl chloride	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:05	W9L0399	
Surrogate: 1,2-Dichloroethane-d4	*104 %*		*76-122*							
Surrogate: 4-Bromofluorobenzene	*100 %*		*72-124*							
Surrogate: Dibromofluoromethane	*106 %*		*75-128*							
Surrogate: Toluene-d8	*111 %*		*86-113*							
Alkalinity as CaCO3	**99**		2.0	mg/l	1	SM 2320B	12/3/09	12/3/09 15:49	W9L0123	
Bicarbonate Alkalinity as HCO3	**120**		2.0	mg/l	1	SM 2320B	12/3/09	12/3/09 15:49	W9L0123	
Specific Conductance (EC)	**320**	0.23	2.0	umhos/cm	1x1	SM2510B	12/8/09	12/9/09 19:00	W9L0342	
Total Dissolved Solids	**210**	4.0	10	mg/l	1x1	SM2540C	12/8/09	12/8/09 14:00	W9L0355	
pH	**7.98**	0.10	0.10	Units	1x1	SM4500 H+ B	12/3/09	12/3/09 20:32	W9L0187	

Lab Sample ID: 9L03026-06 **Sample ID:** EW-102 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 07:40

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Lab Sample ID: 9L03026-06 **Sample ID:** EW-102 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 07:40

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
1,1,1,2-Tetrachloroethane	ND	0.47	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
1,1,1-Trichloroethane	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
1,1,2,2-Tetrachloroethane	ND	0.17	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
1,1,2-Trichloroethane	ND	0.19	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
1,1-Dichloroethane	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
1,1-Dichloroethene	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
1,1-Dichloropropene	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
1,2,3-Trichlorobenzene	ND	0.30	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
1,2,3-Trichloropropane	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
1,2,4-Trichlorobenzene	ND	0.42	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
1,2,4-Trimethylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
1,2-Dibromo-3-chloropropane	ND	0.21	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
1,2-Dibromoethane (EDB)	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
1,2-Dichloroethane	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
1,2-Dichloropropane	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
1,3,5-Trimethylbenzene	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
1,3-Dichloropropane	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
2,2-Dichloropropane	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
2-Butanone	ND	0.16	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
2-Chloroethyl vinyl ether	ND	0.24	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
2-Chlorotoluene	ND	0.19	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
2-Hexanone	ND	0.13	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
4-Chlorotoluene	ND	0.21	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
4-Methyl-2-pentanone	ND	0.13	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Acetone	ND	0.87	10	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Acrolein	ND	0.27	10	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Acrylonitrile	ND	0.11	10	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Benzene	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Bromobenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Bromochloromethane	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Bromodichloromethane	ND	0.17	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Bromoform	ND	0.086	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Bromomethane	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Carbon tetrachloride	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Chlorobenzene	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Chloroethane	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Chloroform	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Chloromethane	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
cis-1,2-Dichloroethene	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
cis-1,3-Dichloropropene	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Dibromochloromethane	ND	0.20	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Dibromomethane	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Dichlorodifluoromethane (Freon 12)	ND	0.23	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Ethylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Lab Sample ID: 9L03026-06 **Sample ID:** EW-102 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 07:40

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Hexachlorobutadiene	ND	0.34	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Isopropylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
m,p-Xylene	ND	0.30	2.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
m-Dichlorobenzene	ND	0.16	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Methyl tert-butyl ether (MTBE)	ND	0.14	3.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Methylene chloride	ND	0.19	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Naphthalene	ND	0.39	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
n-Butylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
n-Propylbenzene	ND	0.25	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
o-Dichlorobenzene	ND	0.18	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
o-Xylene	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
p-Dichlorobenzene	ND	0.13	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
p-Isopropyltoluene	ND	0.24	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
sec-Butylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Styrene	ND	0.11	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
tert-Butylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Tetrachloroethene	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Toluene	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
trans-1,2-Dichloroethene	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
trans-1,3-Dichloropropene	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Trichloroethene	ND	0.11	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Trichlorofluoromethane	ND	0.24	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Vinyl chloride	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 13:36	W9L0399	
Surrogate: 1,2-Dichloroethane-d4	*103 %*		*76-122*							
Surrogate: 4-Bromofluorobenzene	*101 %*		*72-124*							
Surrogate: Dibromofluoromethane	*106 %*		*75-128*							
Surrogate: Toluene-d8	*109 %*		*86-113*							

Lab Sample ID: 9L03026-07 **Sample ID:** EW-5 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 08:30

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Calcium, Total	**41**	0.016	0.10	mg/l	1x1	EPA 200.7	12/10/09	12/12/09 9:39	W9L0464	
Iron, Total	ND	1.1	10	ug/l	1x1	EPA 200.7	12/10/09	12/12/09 9:39	W9L0464	
Magnesium, Total	**7.1**	0.012	0.10	mg/l	1x1	EPA 200.7	12/10/09	12/12/09 9:39	W9L0464	
Manganese, Total	ND	2.6	10	ug/l	1x1	EPA 200.7	12/10/09	12/12/09 9:39	W9L0464	
Potassium, Total	**2.1**	0.081	0.10	mg/l	1x1	EPA 200.7	12/10/09	12/12/09 9:39	W9L0464	
Sodium, Total	**16**	0.015	0.50	mg/l	1x1	EPA 200.7	12/10/09	12/12/09 9:39	W9L0464	
Aluminum, Total	ND	0.19	10	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:40	W9L0466	
Antimony, Total	ND	0.0080	2.5	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:40	W9L0466	
Arsenic, Total	ND	0.014	2.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:40	W9L0466	
Barium, Total	**80**	0.024	2.5	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:40	W9L0466	
Beryllium, Total	ND	0.022	0.50	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:40	W9L0466	
Cadmium, Total	ND	0.013	0.50	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:40	W9L0466	

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Lab Sample ID: 9L03026-07 **Sample ID:** EW-5 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 08:30

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Chromium, Total	**4.1**	0.012	1.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:40	W9L0466	
Cobalt, Total	ND	0.0050	0.50	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:40	W9L0466	
Copper, Total	ND	0.022	2.5	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:40	W9L0466	
Lead, Total	ND	0.017	1.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:40	W9L0466	
Molybdenum, Total	**4.2**	0.0090	0.50	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:40	W9L0466	
Nickel, Total	ND	0.011	4.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:40	W9L0466	
Selenium, Total	ND	0.017	2.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:40	W9L0466	
Silver, Total	ND	0.0080	1.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:40	W9L0466	
Thallium, Total	ND	0.020	1.0	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:40	W9L0466	
Vanadium, Total	**9.2**	0.0090	2.5	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:40	W9L0466	
Zinc, Total	ND	0.30	10	ug/l	1x1	EPA 200.8	12/10/09	12/18/09 16:40	W9L0466	
Chromium 6+	**3.9**	0.0059	0.30	ug/l	1x1	EPA 218.6	12/3/09	12/3/09 18:53	W9L0223	
Mercury, Total	ND	0.0039	0.10	ug/l	1x1	EPA 245.1	12/14/09	12/16/09 14:53	W9L0567	
Chloride, Total	**10**	0.79	5.0	mg/l	1x10	EPA 300.0	12/9/09	12/10/09 2:18	W9L0453	
Fluoride, Total	ND	0.13	1.0	mg/l	1x10	EPA 300.0	12/9/09	12/10/09 2:18	W9L0453	
Sulfate as SO4	**17**	0.38	5.0	mg/l	1x10	EPA 300.0	12/9/09	12/10/09 2:18	W9L0453	
Nitrate as NO3	**34**	0.097	2.0	mg/l	1x1	EPA 353.2	12/3/09	12/4/09 10:44	W9L0180	
1,1,1,2-Tetrachloroethane	ND	0.47	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
1,1,1-Trichloroethane	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
1,1,2,2-Tetrachloroethane	ND	0.17	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
1,1,2-Trichloroethane	ND	0.19	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
1,1-Dichloroethane	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
1,1-Dichloroethene	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
1,1-Dichloropropene	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
1,2,3-Trichlorobenzene	ND	0.30	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
1,2,3-Trichloropropane	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
1,2,4-Trichlorobenzene	ND	0.42	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
1,2,4-Trimethylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
1,2-Dibromo-3-chloropropane	ND	0.21	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
1,2-Dibromoethane (EDB)	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
1,2-Dichloroethane	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
1,2-Dichloropropane	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
1,3,5-Trimethylbenzene	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
1,3-Dichloropropane	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
2,2-Dichloropropane	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
2-Butanone	ND	0.16	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
2-Chloroethyl vinyl ether	ND	0.24	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
2-Chlorotoluene	ND	0.19	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
2-Hexanone	ND	0.13	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
4-Chlorotoluene	ND	0.21	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
4-Methyl-2-pentanone	ND	0.13	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Acetone	ND	0.87	10	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Acrolein	ND	0.27	10	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Acrylonitrile	ND	0.11	10	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Lab Sample ID: 9L03026-07 **Sample ID:** EW-5 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 08:30

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Benzene	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Bromobenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Bromochloromethane	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Bromodichloromethane	ND	0.17	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Bromoform	ND	0.086	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Bromomethane	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Carbon tetrachloride	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Chlorobenzene	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Chloroethane	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Chloroform	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Chloromethane	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
cis-1,2-Dichloroethene	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
cis-1,3-Dichloropropene	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Dibromochloromethane	ND	0.20	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Dibromomethane	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Dichlorodifluoromethane (Freon 12)	ND	0.23	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Ethylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Hexachlorobutadiene	ND	0.34	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Isopropylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
m,p-Xylene	ND	0.30	2.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
m-Dichlorobenzene	ND	0.16	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Methyl tert-butyl ether (MTBE)	ND	0.14	3.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Methylene chloride	ND	0.19	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Naphthalene	ND	0.39	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
n-Butylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
n-Propylbenzene	ND	0.25	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
o-Dichlorobenzene	ND	0.18	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
o-Xylene	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
p-Dichlorobenzene	ND	0.13	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
p-Isopropyltoluene	ND	0.24	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
sec-Butylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Styrene	ND	0.11	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
tert-Butylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Tetrachloroethene	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Toluene	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
trans-1,2-Dichloroethene	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
trans-1,3-Dichloropropene	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Trichloroethene	ND	0.11	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Trichlorofluoromethane	ND	0.24	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Vinyl chloride	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 16:29	W9L0399	
Surrogate: 1,2-Dichloroethane-d4	*103 %*		*76-122*							
Surrogate: 4-Bromofluorobenzene	*100 %*		*72-124*							
Surrogate: Dibromofluoromethane	*107 %*		*75-128*							
Surrogate: Toluene-d8	*110 %*		*86-113*							

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Lab Sample ID: 9L03026-07 **Sample ID:** EW-5 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 08:30

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Alkalinity as CaCO3	110		2.0	mg/l	1	SM 2320B	12/3/09	12/3/09 15:49	W9L0123	
Bicarbonate Alkalinity as HCO3	130		2.0	mg/l	1	SM 2320B	12/3/09	12/3/09 15:49	W9L0123	
Specific Conductance (EC)	340	0.23	2.0	umhos/cm	1x1	SM2510B	12/8/09	12/9/09 19:00	W9L0342	
Total Dissolved Solids	230	4.0	10	mg/l	1x1	SM2540C	12/8/09	12/8/09 14:00	W9L0355	
pH	7.64	0.10	0.10	Units	1x1	SM4500 H+ B	12/3/09	12/3/09 20:32	W9L0187	

Lab Sample ID: 9L03026-08 **Sample ID:** EW-104 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 08:40

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
1,1,1,2-Tetrachloroethane	ND	0.47	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
1,1,1-Trichloroethane	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
1,1,2,2-Tetrachloroethane	ND	0.17	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
1,1,2-Trichloroethane	ND	0.19	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
1,1-Dichloroethane	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
1,1-Dichloroethene	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
1,1-Dichloropropene	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
1,2,3-Trichlorobenzene	ND	0.30	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
1,2,3-Trichloropropane	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
1,2,4-Trichlorobenzene	ND	0.42	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
1,2,4-Trimethylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
1,2-Dibromo-3-chloropropane	ND	0.21	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
1,2-Dibromoethane (EDB)	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
1,2-Dichloroethane	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
1,2-Dichloropropane	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
1,3,5-Trimethylbenzene	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
1,3-Dichloropropane	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
2,2-Dichloropropane	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
2-Butanone	ND	0.16	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
2-Chloroethyl vinyl ether	ND	0.24	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
2-Chlorotoluene	ND	0.19	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
2-Hexanone	ND	0.13	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
4-Chlorotoluene	ND	0.21	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
4-Methyl-2-pentanone	ND	0.13	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Acetone	ND	0.87	10	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Acrolein	ND	0.27	10	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Acrylonitrile	ND	0.11	10	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Benzene	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Bromobenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Bromochloromethane	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Bromodichloromethane	ND	0.17	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Bromoform	ND	0.086	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Bromomethane	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Carbon tetrachloride	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Lab Sample ID: 9L03026-08 **Sample ID:** EW-104 **Matrix:** Water
Sampled by: P.Hamilton **Sampled:** 12/03/09 08:40

Analyte	Result	DL	RL	Units	Dil	Method	Prepared	Analyzed	Batch	Qualifier
Chlorobenzene	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Chloroethane	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Chloroform	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Chloromethane	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
cis-1,2-Dichloroethene	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
cis-1,3-Dichloropropene	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Dibromochloromethane	ND	0.20	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Dibromomethane	ND	0.15	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Dichlorodifluoromethane (Freon 12)	ND	0.23	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Ethylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Hexachlorobutadiene	ND	0.34	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Isopropylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
m,p-Xylene	ND	0.30	2.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
m-Dichlorobenzene	ND	0.16	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Methyl tert-butyl ether (MTBE)	ND	0.14	3.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Methylene chloride	ND	0.19	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Naphthalene	ND	0.39	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
n-Butylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
n-Propylbenzene	ND	0.25	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
o-Dichlorobenzene	ND	0.18	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
o-Xylene	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
p-Dichlorobenzene	ND	0.13	5.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
p-Isopropyltoluene	ND	0.24	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
sec-Butylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Styrene	ND	0.11	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
tert-Butylbenzene	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Tetrachloroethene	ND	0.18	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Toluene	ND	0.13	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
trans-1,2-Dichloroethene	ND	0.16	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
trans-1,3-Dichloropropene	ND	0.12	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Trichloroethene	ND	0.11	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Trichlorofluoromethane	ND	0.24	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Vinyl chloride	ND	0.14	1.0	ug/l	1x1	EPA 8260B	12/8/09	12/8/09 14:25	W9L0399	
Surrogate: 1,2-Dichloroethane-d4	*104 %*		*76-122*							
Surrogate: 4-Bromofluorobenzene	*100 %*		*72-124*							
Surrogate: Dibromofluoromethane	*107 %*		*75-128*							
Surrogate: Toluene-d8	*110 %*		*86-113*							

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Quality Control Section

Anions by EPA Method 300.0/300.1/326 - Quality Control

Batch W9L0453 - EPA 300.0

Blank (W9L0453-BLK1) — Prepared: 12/09/09 Analyzed: 12/10/09 02:18

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Fluoride, Total		ND		mg/l					
Chloride, Total		ND		mg/l					
Sulfate as SO4		ND		mg/l					

LCS (W9L0453-BS1) — Prepared: 12/09/09 Analyzed: 12/10/09 02:18

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Fluoride, Total		1.82		mg/l	2.00	91	90-110		
Chloride, Total		3.66		mg/l	4.00	92	90-110		
Sulfate as SO4		7.53		mg/l	8.00	94	90-110		

Matrix Spike (W9L0453-MS1) — Source: 9L03026-01 Prepared: 12/09/09 Analyzed: 12/10/09 02:18

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Fluoride, Total	0.240	18.3		mg/l	20.0	90	79-109		
Chloride, Total	142	180		mg/l	40.0	96	72-118		
Sulfate as SO4	393	459	MS-02	mg/l	80.0	83	84-114		

Matrix Spike (W9L0453-MS2) — Source: 9L03026-03 Prepared: 12/09/09 Analyzed: 12/10/09 02:18

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Fluoride, Total	0.440	18.0		mg/l	20.0	88	79-109		
Chloride, Total	33.0	70.4		mg/l	40.0	93	72-118		
Sulfate as SO4	101	181		mg/l	80.0	100	84-114		

Matrix Spike Dup (W9L0453-MSD1) — Source: 9L03026-01 Prepared: 12/09/09 Analyzed: 12/10/09 02:18

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Fluoride, Total	0.240	18.7		mg/l	20.0	92	79-109	2	20
Chloride, Total	142	186		mg/l	40.0	110	72-118	3	20
Sulfate as SO4	393	466		mg/l	80.0	91	84-114	1	20

Matrix Spike Dup (W9L0453-MSD2) — Source: 9L03026-03 Prepared: 12/09/09 Analyzed: 12/10/09 02:18

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Fluoride, Total	0.440	18.2		mg/l	20.0	89	79-109	0.7	20
Chloride, Total	33.0	72.3		mg/l	40.0	98	72-118	3	20
Sulfate as SO4	101	181		mg/l	80.0	99	84-114	0.2	20

Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods - Quality Control

Batch W9L0123 - SM 2320B

Blank (W9L0123-BLK1) — Prepared: 12/03/09 Analyzed: 12/03/09 15:49

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Alkalinity as CaCO3		4.55	B-06	mg/l					
Bicarbonate Alkalinity as HCO3		5.55	B-06	mg/l					

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods - Quality Control

Batch W9L0123 - SM 2320B

LCS (W9L0123-BS1) — Prepared: 12/03/09 Analyzed: 12/03/09 15:49

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Alkalinity as CaCO3		36.3		mg/l	35.1	103	94-108		
Bicarbonate Alkalinity as HCO3		44.2		mg/l	42.8	103	94-108		

Duplicate (W9L0123-DUP1) — Source: 9K25006-01 Prepared: 12/03/09 Analyzed: 12/03/09 15:49

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Alkalinity as CaCO3	896	892		mg/l				0.5	15
Bicarbonate Alkalinity as HCO3	1090	1090		mg/l				0.5	15

Batch W9L0180 - EPA 353.2

Blank (W9L0180-BLK1) — Prepared: 12/03/09 Analyzed: 12/04/09 10:18

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Nitrate as NO3		ND		mg/l					

LCS (W9L0180-BS1) — Prepared: 12/03/09 Analyzed: 12/04/09 10:16

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Nitrate as NO3		4.78		mg/l	4.43	108	90-110		

Matrix Spike (W9L0180-MS1) — Source: 9L02033-01 Prepared: 12/03/09 Analyzed: 12/04/09 10:22

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Nitrate as NO3	7.11	15.9		mg/l	8.86	99	90-110		

Matrix Spike Dup (W9L0180-MSD1) — Source: 9L02033-01 Prepared: 12/03/09 Analyzed: 12/04/09 10:24

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Nitrate as NO3	7.11	15.7		mg/l	8.86	97	90-110	1	20

Batch W9L0187 - SM4500 H+ B

Duplicate (W9L0187-DUP1) — Source: 9L03081-02 Prepared: 12/03/09 Analyzed: 12/03/09 20:32

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
pH	7.26	7.26		Units				0	3.24

Duplicate (W9L0187-DUP2) — Source: 9L03001-02 Prepared: 12/03/09 Analyzed: 12/03/09 20:32

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
pH	5.03	5.16		Units				3	3.24

Reference (W9L0187-SRM1) — Prepared: 12/03/09 Analyzed: 12/03/09 20:32

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
pH		6.83		Units	6.86	100	95-105		

Batch W9L0342 - SM2510B

Blank (W9L0342-BLK1) — Prepared: 12/08/09 Analyzed: 12/09/09 19:00

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Specific Conductance (EC)		ND		umhos/cm					

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Conventional Chemistry/Physical Parameters by APHA/EPA/ASTM Methods - Quality Control

Batch W9L0342 - SM2510B

Blank (W9L0342-BLK2) — Prepared: 12/08/09 Analyzed: 12/09/09 19:00

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Specific Conductance (EC)		ND		umhos/cm					

LCS (W9L0342-BS1) — Prepared: 12/08/09 Analyzed: 12/09/09 19:00

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Specific Conductance (EC)		192		umhos/cm	185	104	95-105		

LCS (W9L0342-BS2) — Prepared: 12/08/09 Analyzed: 12/09/09 19:00

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Specific Conductance (EC)		192		umhos/cm	185	104	95-105		

Duplicate (W9L0342-DUP1) — Source: 9L07008-01 Prepared: 12/08/09 Analyzed: 12/09/09 19:00

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Specific Conductance (EC)	70.2	69.9		umhos/cm				0.4	4.28

Duplicate (W9L0342-DUP2) — Source: 9L07008-02 Prepared: 12/08/09 Analyzed: 12/09/09 19:00

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Specific Conductance (EC)	101	101		umhos/cm				0	4.28

Batch W9L0355 - SM2540C

Blank (W9L0355-BLK1) — Prepared: 12/08/09 Analyzed: 12/08/09 14:00

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Total Dissolved Solids		ND		mg/l					

LCS (W9L0355-BS1) — Prepared: 12/08/09 Analyzed: 12/08/09 14:00

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Total Dissolved Solids		834		mg/l	824	101	91-104		

Duplicate (W9L0355-DUP1) — Source: 9L03025-01 Prepared: 12/08/09 Analyzed: 12/08/09 14:00

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Total Dissolved Solids	309	317		mg/l				3	10

Duplicate (W9L0355-DUP2) — Source: 9L03061-02 Prepared: 12/08/09 Analyzed: 12/08/09 14:00

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Total Dissolved Solids	2660	2660		mg/l				0	10

Hexavalent Chromium by IC - Quality Control

Batch W9L0223 - EPA 218.6

Blank (W9L0223-BLK1) — Prepared: 12/03/09 Analyzed: 12/03/09 15:06

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Chromium 6+		ND		ug/l					

LCS (W9L0223-BS1) — Prepared: 12/03/09 Analyzed: 12/03/09 15:15

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Hexavalent Chromium by IC - Quality Control

Batch W9L0223 - EPA 218.6

LCS (W9L0223-BS1) — **Prepared: 12/03/09 Analyzed: 12/03/09 15:15**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Chromium 6+		5.16		ug/l	5.00	103	90-110		

Matrix Spike (W9L0223-MS1) — **Source: 9L03036-01** — **Prepared: 12/03/09 Analyzed: 12/03/09 16:20**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Chromium 6+	0.878	5.78		ug/l	5.00	98	88-112		

Matrix Spike (W9L0223-MS2) — **Source: 9L03026-07** — **Prepared: 12/03/09 Analyzed: 12/03/09 19:03**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Chromium 6+	3.90	8.71		ug/l	5.00	96	88-112		

Matrix Spike Dup (W9L0223-MSD1) — **Source: 9L03036-01** — **Prepared: 12/03/09 Analyzed: 12/03/09 16:29**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Chromium 6+	0.878	5.71		ug/l	5.00	97	88-112	1	10

Matrix Spike Dup (W9L0223-MSD2) — **Source: 9L03026-07** — **Prepared: 12/03/09 Analyzed: 12/03/09 19:12**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Chromium 6+	3.90	8.88		ug/l	5.00	100	88-112	2	10

Batch W9L0485 - EPA 218.6

Blank (W9L0485-BLK1) — **Prepared & Analyzed: 12/10/09 12:12**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Chromium 6+		ND		ug/l					

LCS (W9L0485-BS1) — **Prepared: 12/10/09 Analyzed: 12/10/09 13:10**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Chromium 6+		4.91		ug/l	5.00	98	90-110		

Matrix Spike (W9L0485-MS1) — **Source: 9L08088-05** — **Prepared: 12/10/09 Analyzed: 12/10/09 14:36**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Chromium 6+	0.476	5.30		ug/l	5.00	96	88-112		

Matrix Spike Dup (W9L0485-MSD1) — **Source: 9L08088-05** — **Prepared: 12/10/09 Analyzed: 12/10/09 14:45**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Chromium 6+	0.476	5.37		ug/l	5.00	98	88-112	1	10

Metals by EPA 200 Series Methods - Quality Control

Batch W9L0464 - EPA 200.7

Blank (W9L0464-BLK1) — **Prepared: 12/10/09 Analyzed: 12/12/09 09:19**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Calcium, Total		ND		mg/l					
Iron, Total		ND		ug/l					
Potassium, Total		ND		mg/l					
Magnesium, Total		ND		mg/l					

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Metals by EPA 200 Series Methods - Quality Control

Batch W9L0464 - EPA 200.7

Blank (W9L0464-BLK1) — Prepared: 12/10/09 Analyzed: 12/12/09 09:19

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Manganese, Total		ND		ug/l					
Sodium, Total		ND		mg/l					

LCS (W9L0464-BS1) — Prepared: 12/10/09 Analyzed: 12/12/09 09:21

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Calcium, Total		5.23		mg/l	5.20	101	85-115		
Iron, Total		203		ug/l	200	102	85-115		
Potassium, Total		7.68		mg/l	7.00	110	85-115		
Magnesium, Total		5.18		mg/l	5.20	100	85-115		
Manganese, Total		205		ug/l	200	102	85-115		
Sodium, Total		5.20		mg/l	5.20	100	85-115		

Matrix Spike (W9L0464-MS1) — Source: 9L03026-01 Prepared: 12/10/09 Analyzed: 12/12/09 09:26

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Calcium, Total	214	218	MS-02	mg/l	5.20	67	70-130		
Iron, Total	ND	204		ug/l	200	102	70-130		
Potassium, Total	4.26	11.2		mg/l	7.00	99	70-130		
Magnesium, Total	42.2	47.6		mg/l	5.20	104	70-130		
Manganese, Total	ND	204		ug/l	200	102	70-130		
Sodium, Total	44.8	48.7		mg/l	5.20	76	70-130		

Matrix Spike Dup (W9L0464-MSD1) — Source: 9L03026-01 Prepared: 12/10/09 Analyzed: 12/12/09 09:29

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Calcium, Total	214	229	MS-02	mg/l	5.20	285	70-130	5	30
Iron, Total	ND	212		ug/l	200	106	70-130	4	30
Potassium, Total	4.26	12.0		mg/l	7.00	111	70-130	7	30
Magnesium, Total	42.2	49.7	MS-02	mg/l	5.20	145	70-130	4	30
Manganese, Total	ND	214		ug/l	200	107	70-130	5	30
Sodium, Total	44.8	52.2	MS-02	mg/l	5.20	143	70-130	7	30

Batch W9L0466 - EPA 200.8

Blank (W9L0466-BLK1) — Prepared: 12/10/09 Analyzed: 12/18/09 16:11

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Beryllium, Total		ND		ug/l					
Aluminum, Total		ND		ug/l					
Vanadium, Total		ND		ug/l					
Chromium, Total		ND		ug/l					
Cobalt, Total		ND		ug/l					
Nickel, Total		ND		ug/l					
Copper, Total		ND		ug/l					
Zinc, Total		ND		ug/l					
Arsenic, Total		ND		ug/l					
Selenium, Total		ND		ug/l					

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Metals by EPA 200 Series Methods - Quality Control

Batch W9L0466 - EPA 200.8

Blank (W9L0466-BLK1) — **Prepared: 12/10/09 Analyzed: 12/18/09 16:11**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Molybdenum, Total		ND		ug/l					
Silver, Total		ND		ug/l					
Cadmium, Total		ND		ug/l					
Antimony, Total		ND		ug/l					
Barium, Total		ND		ug/l					
Thallium, Total		ND		ug/l					
Lead, Total		ND		ug/l					

LCS (W9L0466-BS1) — **Prepared: 12/10/09 Analyzed: 12/18/09 16:15**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Beryllium, Total		48.3		ug/l	50.0	97	85-115		
Aluminum, Total		49.5		ug/l	50.0	99	85-115		
Vanadium, Total		47.5		ug/l	50.0	95	85-115		
Chromium, Total		47.3		ug/l	50.0	95	85-115		
Cobalt, Total		48.4		ug/l	50.0	97	85-115		
Nickel, Total		47.2		ug/l	50.0	94	85-115		
Copper, Total		47.6		ug/l	50.0	95	85-115		
Zinc, Total		49.6		ug/l	50.0	99	85-115		
Arsenic, Total		47.3		ug/l	50.0	95	85-115		
Selenium, Total		48.5		ug/l	50.0	97	85-115		
Molybdenum, Total		45.9		ug/l	50.0	92	85-115		
Silver, Total		47.7		ug/l	50.0	95	85-115		
Cadmium, Total		48.6		ug/l	50.0	97	85-115		
Antimony, Total		47.6		ug/l	50.0	95	85-115		
Barium, Total		48.3		ug/l	50.0	97	85-115		
Thallium, Total		47.7		ug/l	50.0	95	85-115		
Lead, Total		46.5		ug/l	50.0	93	85-115		

Matrix Spike (W9L0466-MS1) — **Source: 9L03026-07** — **Prepared: 12/10/09 Analyzed: 12/18/09 16:57**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Beryllium, Total	ND	46.0		ug/l	50.0	92	70-130		
Aluminum, Total	7.74	49.6		ug/l	50.0	84	70-130		
Vanadium, Total	9.18	51.8		ug/l	50.0	85	70-130		
Chromium, Total	4.09	51.4		ug/l	50.0	95	70-130		
Cobalt, Total	0.0396	41.9		ug/l	50.0	84	70-130		
Nickel, Total	0.402	46.1		ug/l	50.0	91	70-130		
Copper, Total	0.296	45.1		ug/l	50.0	90	70-130		
Zinc, Total	3.48	48.8		ug/l	50.0	91	70-130		
Arsenic, Total	0.419	45.7		ug/l	50.0	91	70-130		
Selenium, Total	1.09	45.1		ug/l	50.0	88	70-130		
Molybdenum, Total	4.24	51.7		ug/l	50.0	95	70-130		
Silver, Total	ND	45.2		ug/l	50.0	90	70-130		

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Metals by EPA 200 Series Methods - Quality Control

Batch W9L0466 - EPA 200.8

Matrix Spike (W9L0466-MS1) Source: 9L03026-07 Prepared: 12/10/09 Analyzed: 12/18/09 16:57

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Cadmium, Total	ND	45.1		ug/l	50.0	90	70-130		
Antimony, Total	0.108	46.2		ug/l	50.0	92	70-130		
Barium, Total	80.1	127		ug/l	50.0	94	70-130		
Thallium, Total	ND	47.9		ug/l	50.0	96	70-130		
Lead, Total	0.0182	45.8		ug/l	50.0	92	70-130		

Matrix Spike Dup (W9L0466-MSD1) Source: 9L03026-07 Prepared: 12/10/09 Analyzed: 12/18/09 17:01

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Beryllium, Total	ND	47.0		ug/l	50.0	94	70-130	2	30
Aluminum, Total	7.74	51.8		ug/l	50.0	88	70-130	4	30
Vanadium, Total	9.18	54.3		ug/l	50.0	90	70-130	5	30
Chromium, Total	4.09	54.2		ug/l	50.0	100	70-130	5	30
Cobalt, Total	0.0396	44.4		ug/l	50.0	89	70-130	6	30
Nickel, Total	0.402	49.6		ug/l	50.0	98	70-130	7	30
Copper, Total	0.296	48.0		ug/l	50.0	95	70-130	6	30
Zinc, Total	3.48	51.4		ug/l	50.0	96	70-130	5	30
Arsenic, Total	0.419	46.8		ug/l	50.0	93	70-130	2	30
Selenium, Total	1.09	48.7		ug/l	50.0	95	70-130	8	30
Molybdenum, Total	4.24	53.6		ug/l	50.0	99	70-130	4	30
Silver, Total	ND	47.7		ug/l	50.0	95	70-130	5	30
Cadmium, Total	ND	47.5		ug/l	50.0	95	70-130	5	30
Antimony, Total	0.108	48.7		ug/l	50.0	97	70-130	5	30
Barium, Total	80.1	126		ug/l	50.0	93	70-130	0.5	30
Thallium, Total	ND	49.8		ug/l	50.0	100	70-130	4	30
Lead, Total	0.0182	47.8		ug/l	50.0	96	70-130	4	30

Batch W9L0567 - EPA 245.1

Blank (W9L0567-BLK1) Prepared: 12/14/09 Analyzed: 12/16/09 14:53

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Mercury, Total		ND		ug/l					

LCS (W9L0567-BS1) Prepared: 12/14/09 Analyzed: 12/16/09 14:53

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Mercury, Total		0.939		ug/l	1.00	94	85-115		

Matrix Spike (W9L0567-MS1) Source: 9L03061-02 Prepared: 12/14/09 Analyzed: 12/16/09 14:53

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Mercury, Total	0.00900	0.802		ug/l	1.00	79	70-130		

Matrix Spike (W9L0567-MS2) Source: 9L03061-03 Prepared: 12/14/09 Analyzed: 12/16/09 14:53

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Mercury, Total	ND	1.02		ug/l	1.00	102	70-130		

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Metals by EPA 200 Series Methods - Quality Control

Batch W9L0567 - EPA 245.1

Matrix Spike Dup (W9L0567-MSD1) **Source: 9L03061-02** **Prepared: 12/14/09** **Analyzed: 12/16/09 14:53**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Mercury, Total	0.00900	0.787		ug/l	1.00	78	70-130	2	20

Matrix Spike Dup (W9L0567-MSD2) **Source: 9L03061-03** **Prepared: 12/14/09** **Analyzed: 12/16/09 14:53**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Mercury, Total	ND	0.965		ug/l	1.00	96	70-130	6	20

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Batch W9L0399 - EPA 8260B

Blank (W9L0399-BLK1) **Prepared: 12/08/09** **Analyzed: 12/08/09 10:39**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: 1,2-Dichloroethane-d4		*51.8*		ug/l	*50.0*	*104*	*83-119*		
Surrogate: 4-Bromofluorobenzene		*50.3*		ug/l	*50.0*	*101*	*83-110*		
Surrogate: Dibromofluoromethane		*52.3*		ug/l	*50.0*	*105*	*89-115*		
Surrogate: Toluene-d8		*54.6*		ug/l	*50.0*	*109*	*92-112*		
Dichlorodifluoromethane (Freon 12)		ND		ug/l					
Chloromethane		ND		ug/l					
Vinyl chloride		ND		ug/l					
Bromomethane		ND		ug/l					
Chloroethane		ND		ug/l					
Acrolein		ND		ug/l					
Acrylonitrile		ND		ug/l					
Trichlorofluoromethane		ND		ug/l					
Acetone		ND		ug/l					
1,1-Dichloroethene		ND		ug/l					
Methylene chloride		ND		ug/l					
trans-1,2-Dichloroethene		ND		ug/l					
Methyl tert-butyl ether (MTBE)		ND		ug/l					
1,1-Dichloroethane		ND		ug/l					
2,2-Dichloropropane		ND		ug/l					
cis-1,2-Dichloroethene		ND		ug/l					
2-Butanone		ND		ug/l					
Bromochloromethane		ND		ug/l					
Chloroform		ND		ug/l					
1,1,1-Trichloroethane		ND		ug/l					
Carbon tetrachloride		ND		ug/l					
1,1-Dichloropropene		ND		ug/l					
Benzene		ND		ug/l					
1,2-Dichloroethane		ND		ug/l					
Trichloroethene		ND		ug/l					
1,2-Dichloropropane		ND		ug/l					
Dibromomethane		ND		ug/l					

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Batch W9L0399 - EPA 8260B

Blank (W9L0399-BLK1) — **Prepared: 12/08/09 Analyzed: 12/08/09 10:39**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Bromodichloromethane		ND		ug/l					
2-Chloroethyl vinyl ether		ND		ug/l					
cis-1,3-Dichloropropene		ND		ug/l					
4-Methyl-2-pentanone		ND		ug/l					
Toluene		ND		ug/l					
trans-1,3-Dichloropropene		ND		ug/l					
1,1,2-Trichloroethane		ND		ug/l					
Tetrachloroethene		ND		ug/l					
1,3-Dichloropropane		ND		ug/l					
2-Hexanone		ND		ug/l					
Dibromochloromethane		ND		ug/l					
1,2-Dibromoethane (EDB)		ND		ug/l					
Chlorobenzene		ND		ug/l					
Ethylbenzene		ND		ug/l					
m,p-Xylene		ND		ug/l					
o-Xylene		ND		ug/l					
Styrene		ND		ug/l					
Bromoform		ND		ug/l					
Isopropylbenzene		ND		ug/l					
1,1,2,2-Tetrachloroethane		ND		ug/l					
Bromobenzene		ND		ug/l					
1,2,3-Trichloropropane		ND		ug/l					
n-Propylbenzene		ND		ug/l					
2-Chlorotoluene		ND		ug/l					
4-Chlorotoluene		ND		ug/l					
1,3,5-Trimethylbenzene		ND		ug/l					
tert-Butylbenzene		ND		ug/l					
1,2,4-Trimethylbenzene		ND		ug/l					
m-Dichlorobenzene		ND		ug/l					
sec-Butylbenzene		ND		ug/l					
p-Dichlorobenzene		ND		ug/l					
p-Isopropyltoluene		ND		ug/l					
o-Dichlorobenzene		ND		ug/l					
n-Butylbenzene		ND		ug/l					
1,2-Dibromo-3-chloropropane		ND		ug/l					
1,2,4-Trichlorobenzene		ND		ug/l					
Hexachlorobutadiene		ND		ug/l					
1,1,1,2-Tetrachloroethane		ND		ug/l					
Naphthalene		ND		ug/l					
1,2,3-Trichlorobenzene		ND		ug/l					

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Batch W9L0399 - EPA 8260B

LCS (W9L0399-BS1) **Prepared: 12/08/09 Analyzed: 12/08/09 11:29**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: 1,2-Dichloroethane-d4		*51.6*		ug/l	*50.0*	*103*	*83-119*		
Surrogate: 4-Bromofluorobenzene		*50.8*		ug/l	*50.0*	*102*	*83-110*		
Surrogate: Dibromofluoromethane		*54.4*		ug/l	*50.0*	*109*	*89-115*		
Surrogate: Toluene-d8		*55.4*		ug/l	*50.0*	*111*	*92-112*		
Dichlorodifluoromethane (Freon 12)		42.2		ug/l	50.0	84	47-151		
Chloromethane		47.9		ug/l	50.0	96	52-117		
Vinyl chloride		56.1		ug/l	50.0	112	67-120		
Bromomethane		67.9	Q-08	ug/l	50.0	136	53-117		
Chloroethane		58.6		ug/l	50.0	117	64-153		
Acrolein		45.1		ug/l	50.0	90	67-131		
Acrylonitrile		55.5		ug/l	50.0	111	72-148		
Trichlorofluoromethane		65.2		ug/l	50.0	130	62-138		
Acetone		47.8		ug/l	50.0	96	57-121		
1,1-Dichloroethene		52.1		ug/l	50.0	104	79-129		
Methylene chloride		55.8		ug/l	50.0	112	73-118		
trans-1,2-Dichloroethene		52.0		ug/l	50.0	104	77-121		
Methyl tert-butyl ether (MTBE)		51.0		ug/l	50.0	102	76-109		
1,1-Dichloroethane		55.0		ug/l	50.0	110	79-121		
2,2-Dichloropropane		51.5		ug/l	50.0	103	68-135		
cis-1,2-Dichloroethene		53.1		ug/l	50.0	106	79-123		
2-Butanone		52.2		ug/l	50.0	104	61-129		
Bromochloromethane		55.4		ug/l	50.0	111	73-117		
Chloroform		57.4		ug/l	50.0	115	74-121		
1,1,1-Trichloroethane		53.5		ug/l	50.0	107	71-125		
Carbon tetrachloride		52.2		ug/l	50.0	104	72-127		
1,1-Dichloropropene		55.6		ug/l	50.0	111	76-120		
Benzene		55.8		ug/l	50.0	112	81-121		
1,2-Dichloroethane		55.3		ug/l	50.0	111	65-124		
Trichloroethene		52.4		ug/l	50.0	105	86-116		
1,2-Dichloropropane		54.1		ug/l	50.0	108	83-116		
Dibromomethane		56.1		ug/l	50.0	112	78-120		
Bromodichloromethane		53.4		ug/l	50.0	107	81-127		
2-Chloroethyl vinyl ether		49.6		ug/l	50.0	99	68-145		
cis-1,3-Dichloropropene		54.0		ug/l	50.0	108	80-125		
4-Methyl-2-pentanone		54.7		ug/l	50.0	109	66-124		
Toluene		57.4		ug/l	50.0	115	81-118		
trans-1,3-Dichloropropene		54.8		ug/l	50.0	110	76-121		
1,1,2-Trichloroethane		58.3		ug/l	50.0	117	83-126		
Tetrachloroethene		58.5		ug/l	50.0	117	74-120		
1,3-Dichloropropane		58.3		ug/l	50.0	117	79-126		
2-Hexanone		50.7		ug/l	50.0	101	54-147		
Dibromochloromethane		55.6		ug/l	50.0	111	78-129		

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Batch W9L0399 - EPA 8260B

LCS (W9L0399-BS1) — **Prepared: 12/08/09 Analyzed: 12/08/09 11:29**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
1,2-Dibromoethane (EDB)		56.6		ug/l	50.0	113	82-128		
Chlorobenzene		51.1		ug/l	50.0	102	84-109		
Ethylbenzene		48.2		ug/l	50.0	96	80-104		
m,p-Xylene		47.8		ug/l	50.0	96	80-117		
o-Xylene		47.8		ug/l	50.0	96	79-113		
Styrene		49.5		ug/l	50.0	99	79-112		
Bromoform		46.1		ug/l	50.0	92	75-117		
Isopropylbenzene		43.8		ug/l	50.0	88	74-111		
1,1,2,2-Tetrachloroethane		48.0		ug/l	50.0	96	74-105		
Bromobenzene		44.2		ug/l	50.0	88	70-107		
1,2,3-Trichloropropane		46.8		ug/l	50.0	94	78-107		
n-Propylbenzene		44.8		ug/l	50.0	90	64-112		
2-Chlorotoluene		45.0		ug/l	50.0	90	65-108		
4-Chlorotoluene		43.9		ug/l	50.0	88	72-110		
1,3,5-Trimethylbenzene		45.4		ug/l	50.0	91	69-111		
tert-Butylbenzene		43.1		ug/l	50.0	86	61-117		
1,2,4-Trimethylbenzene		44.0		ug/l	50.0	88	80-112		
sec-Butylbenzene		43.5		ug/l	50.0	87	63-119		
m-Dichlorobenzene		45.2		ug/l	50.0	90	55-200		
p-Dichlorobenzene		45.7		ug/l	50.0	91	51-117		
p-Isopropyltoluene		43.6		ug/l	50.0	87	72-122		
o-Dichlorobenzene		44.9		ug/l	50.0	90	56-118		
n-Butylbenzene		41.0		ug/l	50.0	82	71-114		
1,2-Dibromo-3-chloropropane		38.4		ug/l	50.0	77	58-117		
1,2,4-Trichlorobenzene		43.3		ug/l	50.0	87	50-138		
Hexachlorobutadiene		39.5		ug/l	50.0	79	64-130		
1,1,1,2-Tetrachloroethane		46.1		ug/l	50.0	92	80-106		
Naphthalene		39.5		ug/l	50.0	79	69-117		
1,2,3-Trichlorobenzene		44.9		ug/l	50.0	90	56-135		

LCS Dup (W9L0399-BSD1) — **Prepared: 12/08/09 Analyzed: 12/08/09 11:53**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: 1,2-Dichloroethane-d4		*51.3*		ug/l	*50.0*	*103*	*83-119*		
Surrogate: 4-Bromofluorobenzene		*50.6*		ug/l	*50.0*	*101*	*83-110*		
Surrogate: Dibromofluoromethane		*54.5*		ug/l	*50.0*	*109*	*89-115*		
Surrogate: Toluene-d8		*55.4*		ug/l	*50.0*	*111*	*92-112*		
Dichlorodifluoromethane (Freon 12)		43.9		ug/l	50.0	88	47-151	4	25
Chloromethane		49.6		ug/l	50.0	99	52-117	3	25
Vinyl chloride		58.4		ug/l	50.0	117	67-120	4	25
Bromomethane		67.8	C-08	ug/l	50.0	136	53-117	0.07	25
Chloroethane		60.8		ug/l	50.0	122	64-153	4	25
Acrolein		47.3		ug/l	50.0	95	67-131	5	25

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Batch W9L0399 - EPA 8260B

LCS Dup (W9L0399-BSD1) **Prepared: 12/08/09 Analyzed: 12/08/09 11:53**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Acrylonitrile		58.6		ug/l	50.0	117	72-148	6	25
Trichlorofluoromethane		66.3		ug/l	50.0	133	62-138	2	25
Acetone		53.6		ug/l	50.0	107	57-121	11	25
1,1-Dichloroethene		54.0		ug/l	50.0	108	79-129	4	25
Methylene chloride		57.7		ug/l	50.0	115	73-118	3	25
trans-1,2-Dichloroethene		54.1		ug/l	50.0	108	77-121	4	25
Methyl tert-butyl ether (MTBE)		53.9		ug/l	50.0	108	76-109	5	25
1,1-Dichloroethane		57.3		ug/l	50.0	115	79-121	4	25
2,2-Dichloropropane		52.8		ug/l	50.0	106	68-135	2	25
cis-1,2-Dichloroethene		54.8		ug/l	50.0	110	79-123	3	25
2-Butanone		55.4		ug/l	50.0	111	61-129	6	25
Bromochloromethane		58.0		ug/l	50.0	116	73-117	5	25
Chloroform		59.5		ug/l	50.0	119	74-121	4	25
1,1,1-Trichloroethane		55.8		ug/l	50.0	112	71-125	4	25
Carbon tetrachloride		55.4		ug/l	50.0	111	72-127	6	25
1,1-Dichloropropene		57.5		ug/l	50.0	115	76-120	3	25
Benzene		57.8		ug/l	50.0	116	81-121	4	25
1,2-Dichloroethane		58.0		ug/l	50.0	116	65-124	5	25
Trichloroethene		54.6		ug/l	50.0	109	86-116	4	25
1,2-Dichloropropane		56.9		ug/l	50.0	114	83-116	5	25
Dibromomethane		59.2		ug/l	50.0	118	78-120	5	25
Bromodichloromethane		56.3		ug/l	50.0	113	81-127	5	25
2-Chloroethyl vinyl ether		52.3		ug/l	50.0	105	68-145	5	25
cis-1,3-Dichloropropene		56.8		ug/l	50.0	114	80-125	5	25
4-Methyl-2-pentanone		57.5		ug/l	50.0	115	66-124	5	25
Toluene		59.2		ug/l	50.0	118	81-118	3	25
trans-1,3-Dichloropropene		56.4		ug/l	50.0	113	76-121	3	25
1,1,2-Trichloroethane		61.7		ug/l	50.0	123	83-126	6	25
Tetrachloroethene		61.0	BS-03	ug/l	50.0	122	74-120	4	25
1,3-Dichloropropane		60.8		ug/l	50.0	122	79-126	4	25
2-Hexanone		54.6		ug/l	50.0	109	54-147	7	25
Dibromochloromethane		58.7		ug/l	50.0	117	78-129	5	25
1,2-Dibromoethane (EDB)		59.2		ug/l	50.0	118	82-128	4	25
Chlorobenzene		52.9		ug/l	50.0	106	84-109	3	25
Ethylbenzene		50.0		ug/l	50.0	100	80-104	4	25
m,p-Xylene		49.7		ug/l	50.0	99	80-117	4	25
o-Xylene		49.9		ug/l	50.0	100	79-113	4	25
Styrene		50.1		ug/l	50.0	100	79-112	1	25
Bromoform		49.6		ug/l	50.0	99	75-117	7	25
Isopropylbenzene		45.5		ug/l	50.0	91	74-111	4	25
1,1,2,2-Tetrachloroethane		50.5		ug/l	50.0	101	74-105	5	25
Bromobenzene		45.8		ug/l	50.0	92	70-107	4	25

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Volatile Organic Compounds by EPA Method 8260B - Quality Control

Batch W9L0399 - EPA 8260B

LCS Dup (W9L0399-BSD1) — **Prepared: 12/08/09 Analyzed: 12/08/09 11:53**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
1,2,3-Trichloropropane		49.1		ug/l	50.0	98	78-107	5	25
n-Propylbenzene		46.5		ug/l	50.0	93	64-112	4	25
2-Chlorotoluene		46.6		ug/l	50.0	93	65-108	3	25
4-Chlorotoluene		45.5		ug/l	50.0	91	72-110	4	25
1,3,5-Trimethylbenzene		47.0		ug/l	50.0	94	69-111	3	25
tert-Butylbenzene		44.9		ug/l	50.0	90	61-117	4	25
1,2,4-Trimethylbenzene		46.0		ug/l	50.0	92	80-112	4	25
sec-Butylbenzene		45.2		ug/l	50.0	90	63-119	4	25
m-Dichlorobenzene		47.1		ug/l	50.0	94	55-200	4	25
p-Isopropyltoluene		45.2		ug/l	50.0	90	72-122	4	25
p-Dichlorobenzene		47.6		ug/l	50.0	95	51-117	4	25
o-Dichlorobenzene		46.9		ug/l	50.0	94	56-118	4	25
n-Butylbenzene		42.5		ug/l	50.0	85	71-114	4	25
1,2-Dibromo-3-chloropropane		42.0		ug/l	50.0	84	58-117	9	25
1,2,4-Trichlorobenzene		46.0		ug/l	50.0	92	50-138	6	25
Hexachlorobutadiene		43.3		ug/l	50.0	87	64-130	9	25
1,1,1,2-Tetrachloroethane		48.5		ug/l	50.0	97	80-106	5	25
Naphthalene		43.3		ug/l	50.0	87	69-117	9	25
1,2,3-Trichlorobenzene		48.8		ug/l	50.0	98	56-135	8	25

Matrix Spike (W9L0399-MS1) — **Source: 9L03026-07** — **Prepared: 12/08/09 Analyzed: 12/09/09 09:07**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: 1,2-Dichloroethane-d4		*51.9*		ug/l	*50.0*	*104*	*83-119*		
Surrogate: 4-Bromofluorobenzene		*51.1*		ug/l	*50.0*	*102*	*83-110*		
Surrogate: Dibromofluoromethane		*54.9*		ug/l	*50.0*	*110*	*89-115*		
Surrogate: Toluene-d8		*55.0*		ug/l	*50.0*	*110*	*92-112*		
1,1-Dichloroethene	ND	57.1		ug/l	50.0	114	85-144		
Benzene	ND	58.2		ug/l	50.0	116	91-120		
Trichloroethene	ND	54.9		ug/l	50.0	110	89-124		
Toluene	ND	59.0	MS-05	ug/l	50.0	118	90-117		
Chlorobenzene	ND	51.7		ug/l	50.0	103	87-106		

Matrix Spike Dup (W9L0399-MSD1) — **Source: 9L03026-07** — **Prepared: 12/08/09 Analyzed: 12/09/09 09:32**

Analyte	Sample Result	QC Result	Qualifier	Units	Spike Level	%REC	%REC Limits	RPD	RPD Limit
Surrogate: 1,2-Dichloroethane-d4		*51.9*		ug/l	*50.0*	*104*	*83-119*		
Surrogate: 4-Bromofluorobenzene		*50.6*		ug/l	*50.0*	*101*	*83-110*		
Surrogate: Dibromofluoromethane		*55.0*		ug/l	*50.0*	*110*	*89-115*		
Surrogate: Toluene-d8		*55.0*		ug/l	*50.0*	*110*	*92-112*		
1,1-Dichloroethene	ND	54.2		ug/l	50.0	108	85-144	5	25
Benzene	ND	55.6		ug/l	50.0	111	91-120	5	25
Trichloroethene	ND	52.8		ug/l	50.0	106	89-124	4	25
Toluene	ND	56.4		ug/l	50.0	113	90-117	4	25
Chlorobenzene	ND	49.4		ug/l	50.0	99	87-106	5	25

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Certificate of Analysis

Notes:
The Chain of Custody document is part of the analytical report.
Any remaining sample(s) for testing will be disposed of one month from the final report date unless other arrangements are made in advance.
All results are expressed on wet weight basis unless otherwise specified.

An Absence of Total Coliform meets the drinking water standards as established by the State of California Department of Health Services.
The Reporting Limit (RL) is referenced as laboratory's Practical Quantitation Limit (PQL).
For Potable water analysis, the Reporting Limit (RL) is referenced as Detection Limit for reporting purposes (DLRs) defined by EPA.

If sample collected by Weck Laboratories, sampled in accordance to lab SOP MIS002

Authorized Signature

Contact: Alfredo Pierri For Hai Van Nguyen (Project Manager)

ELAP # 1132
LACSD # 10143
NELAC # 04229CA

The results in this report apply to the samples analyzed in accordance with the chain of custody document. Weck Laboratories certifies that the test results meet all requirements of NELAC unless noted in the Case Narrative. This analytical report must be reproduced in its entirety.

Flags for Data Qualifiers:

*	The recommended holding time for this analysis is only 15 minutes. The sample was analyzed as soon as it was possible but it was received and analyzed past holding time.
B-06	This analyte was found in the method blank, which was possibly contaminated during sample preparation. The batch was accepted since this analyte was either not detected or more than 10 times of the blank value for all the samples in the batch.
BS-03	The recovery of this analyte in the BS/LCS was outside the control limits. The sample result was accepted based on another acceptable BS/LCS and/or MS and MSD that meet BS criteria.
MS-02	The RPD and/or percent recovery for this QC spike sample cannot be accurately calculated due to the high concentration of analyte inherent in the sample.
MS-05	The spike recovery and/or RPD were outside acceptance limits for the MS and/or MSD due to possible matrix interference. The LCS and/or LCSD were within acceptance limits showing that the laboratory is in control and the data is acceptable.
Q-08	High bias in the QC sample does not affect sample result since analyte was not detected or below the reporting limit.
ND	NOT DETECTED at or above the Reporting Limit. If J-value reported, then NOT DETECTED at or above the Method Detection Limit (MDL).
Sub	Subcontracted analysis, original report enclosed.
Dil	The total dilution factor is expressed as a multiplication between the preparation dilution factor (a) and the analysis dilution factor (b) as "a x b". (a) and (b) are indicated as whole numbers with rounding up for ≥ 0.5 and off for < 0.5
DL	Method Detection Limit
RL	Method Reporting Limit
MDA	Minimum Detectable Activity

Weck Laboratories, Inc 14859 East Clark Avenue, City of Industry, California 91745-1396 (626) 336-2139 FAX (626) 336-2634
www.wecklabs.com

Quarterly Sampling Report
Third Quarter 2011

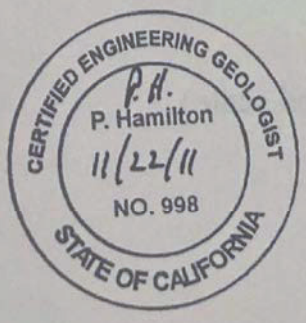
Groundwater Detection Monitoring Program

Etiwanda Generating Station
8996 Etiwanda Avenue
Rancho Cucamonga, California 91739

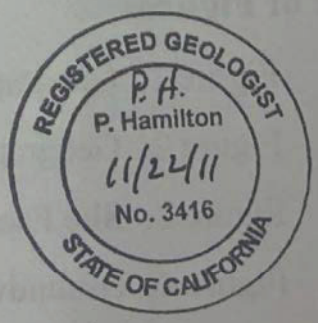
For Southern California Edison

November 22, 2011

Prepared by:



P. Hamilton



P. Hamilton, CEG #998
Engineering Geologist
2715 Altamira Circle
West Covina, California

Table of Contents

Background 1

Introduction 4

Sampling Event 4

Groundwater Gradient 6

Groundwater Quality Data 6

Quality Control 7

List of Tables

Table 1: Design of Monitoring Wells

Table 2: Groundwater Elevation

Table 3: Quarterly Sampling – Constituents of Concern

Table 4: Quarterly Sampling – VOC (EPA Method 8260)

Table 6: Quarterly Sampling – Quality Control – Metals

Table 7: Quarterly Sampling – Quality Control – VOC

List of Figures

Figure 1: Geographic Location Map

Figure 2: Geographic Location Map (Expanded scale)

Figure 3: Site Facilities Map

Figure 4: Groundwater Elevations

Figure 5: Groundwater Gradient – 9/9/11

Appendix 1: Field Forms

Daily Report

Water Level Measurements

Calibration Log

Field Parameters

Appendix 2: Chain of Custody Form

Background

In 1996, Southern California Edison Company (Edison) implemented a Water Quality Monitoring Program in response to a Final Judgment pursuant to Stipulation, handed down by the Superior Court of California, Los Angeles County, Number BC 121219 on February 1, 1995. The Stipulation alleged that Edison had stored hazardous wastes in un-permitted surface impoundments at eleven of their generating stations in southern California. Edison agreed to close these surface impoundments and associated sumps according to Title 22, Chapter 15 of the California Code of Regulations.

There are three retention basins on the site (Figure 3). The North and South Basins were constructed in 1952 and are of equal size. The two basins are separated by a dike that is eight feet wide at the top. The basins are connected by a gate in the dike which allows the fluids to pass from one basin to the other when open. The basins are about 100 feet wide and 135 feet long with a depth of 12 feet. The original construction was a 4-inch layer of gunite over a 1.5:1 slope and on the bottom. In 1988, a liner composed of 80-mil HDPE was placed over the gunite liner in both basins. The purpose of the retention basins is to collect and store non-hazardous wastewater from the facility and to allow the wastewater to be metered systematically to a discharge point under the provisions of an NPDES permit.

The third basin was constructed as a Boiler Chemical Cleaning Basin (BCCB). This basin is rectangular in shape with plan dimensions of about 98 by 232 feet and a depth of about 8 feet. The basin has flat side slopes of about 5:1 and was constructed is 1979. The original liner was composed of a 4-inch thick layer of hydraulic asphaltic concrete. In 1988, the basin was relined with three

layers of 80 mil HDPE liner, each layer separated by a geotextile, and placed over the original asphaltic concrete. The geotextile would allow any leakage to drain to a separate sump for each layer. The BCCB has not been used and is considered out of service.

Edison performed an investigation designed to determine if the basins at the site had released any water containing abnormal pH values or metals to the soil leading to groundwater (Edison, 1996). Because of the basin size, depth to groundwater, and the minor usage, it was proposed that a soil sampling program be performed below the liner. If the soils directly beneath the basin could be demonstrated to be free of abnormal pH and metal concentration values, then a groundwater monitoring program would not be necessary.

The investigation occurred in the fourth quarter of 1996. The soil was investigated using two methods: a soil vapor survey and soil sampling. A few elevated metal concentrations were detected in two or three borings beneath each retention basin when compared to other samples. Though no volatile organic compounds were detected in the soil vapor samples, a few soil matrix samples were determined to have VOC parameters present in the matrix. The conclusion of the investigation (Edison, 1997) was that minor leakage had occurred beneath each basin because of the elevated metal concentrations, pH values, and presence of VOCs in the soil matrix samples.

The DTSC requested that additional site characterization data be obtained to determine the vertical extent of the detected contamination and if any perched groundwater exists beneath the basins. An investigation of a nearby facility indicated a silty sand layer at a depth of about 40 feet tended to perched water. The following scope of work was performed to obtain the required data to answer the two issues.

Five angle borings were drilled beneath the North and South basin complex to a depth of 100 feet. The bottom of the holes was at a vertical depth

of 70 feet below the bottom of the basins. A minimum of 17 soil samples was collected from each boring on five-foot intervals from below the basins. Soil samples at 10-foot intervals were sent to a laboratory to be analyzed for pH, electrical conductivity, metals, iron, aluminum, and VOC parameter. Soil vapor probes were installed in each boring at two levels.

The results of the third investigation were submitted to the DTSC in a report titled "Phase 2 Investigation, Etiwanda Generating Station," dated September 8, 1998. As with the previous investigation, a limited number of soil samples detected higher concentration of metals when all of the samples were compared. No VOCs were detected in the soil vapor samples or in the soil matrix samples.

It was concluded from the two investigations that leakage had occurred through the basin liners causing limited changes in the native soil chemistry. Since it could not be demonstrated that the basin had not leaked, Edison was directed to begin a groundwater Detection Monitoring Program.

In June 2001, Edison submitted a Water Quality Monitoring Program (WQMP) to the DTSC which established the goals of the program. Appendix A of the WQMP described the design of the groundwater monitoring wells and the procedure to install the wells. After the approval was received from the DTSC, the prescribed four groundwater monitoring wells were installed during April 2002. The initial groundwater sampling event at the facility was the third quarter of 2002.

The initial groundwater gradient plot showed two problems with the monitoring system. The local groundwater gradient had a higher westward vector than anticipated when positioning the wells. It was apparent that no wells were downgradient of the North and South Retention basins. Well EW-1 was upgradient of the basin complex and wells EW-2 and EW-3 were downgradient of the BCCB. The third problem was the measured groundwater elevation in

well EW-4. The water level was determined to be over thirty feet higher than the local gradient observed in the other wells.

Two additional wells were installed downgradient of the basins. The groundwater elevations of these wells were consistent with the measured southwest gradient. It appears that the aquifer penetrated by well EW-4 is in a confined condition and is a separate water body from the other five wells.

Introduction

The EPA has developed guidance for long term (over 2 years) groundwater monitoring. To collect quality and reliable samples over a long time period, a dedicated pumping system is highly recommended. To meet the EPA recommendations, dedicated bladder pumps were installed in each of the monitoring wells.

The purpose of this report is to present the data gathered at the third quarter event for the year 2011. This report presents a description of the groundwater gradient measured during the sampling event. The analytical results from the groundwater samples have been added to the data tables and any changes discussed. The laboratory analytical reports are attached to this report. A copy of the Chain of Custody form is located in Appendix 2.

Sampling Event

The third quarter event occurred on September 9, 2011. The geographic location of the facility is shown on Figures 1 and 2. The position of the monitoring wells in relation to the basins is shown on the station facility's map, Figure 3. The design of the sampling wells is contained on Table 1. The purpose

of the quarterly sampling is a Detection Monitoring Program for the basins at the site. All sampling procedures were performed as described in the DTSC approved Sampling and Analysis Plan (SAP) dated August 2000.

The sampling routine began with an inspection of the monitoring wells and obtaining water level measurements. All wells were in good condition. The water levels were recorded on the Water Level Measurements field form.

The probes of the Hach pH and EC meter, and the Hanna dissolved oxygen probe were calibrated at the beginning of the sampling day. The Hach turbidity meter was also calibrated with secondary standards. Per the SAP, the turbidity meter is calibrated with Primary standards annually as directed by the manufacturer. All calibration information was recorded on the Calibration Log.

All purging was performed as described in the SAP. After the water quality parameters stabilized, as illustrated on the Field Parameter form, the labeled sample containers were filled and placed in ice chests. All field forms created during the sampling event are contained in Appendix 1. These forms include Daily Report, Water Level Measurements, Calibration Log, and Field Parameters for each well.

Four quality control samples were collected during the sampling day. Two field blanks were collected at separate locations over the site. These will determine if any potential aerial contaminates are present while the VOC vials were filled. A duplicate sample was collected at a randomly selected well to check the quality of the laboratory analysis. A trip blank supplied by the laboratory was kept in the ice chest with the VOC samples collected over the sampling day.

Groundwater Gradient

The water level measurements for the sampling event are shown on the Water Level Measurement form (Appendix 1) with the calculated elevation values given on Table 2. The table contains elevation data from past events for comparison. A potentiometric plot of the gradient is shown on Figure 5. As shown on Figure 5, the groundwater levels have risen since the December sampling event due to aquifer recharge began. The gradient below the basins remains in a southwest direction with a calculated slope of 0.004 foot per foot.

The groundwater level measured in well EW-4 was not included in the development of the gradient plot. The groundwater level in well EW-4 is over thirty feet higher than the surrounding wells (Figure 4). The data indicates that well EW-4 penetrated a confined aquifer. This was discussed in the report submitted to the DTSC dated June 25, 2003, titled "Well Completion Report."

Groundwater Quality Data

The laboratory analytical reports are attached to this report. The tests performed on the samples obtained at the site were metals with chromium VI, volatile organic compound by EPA Method 8260, and general mineral parameters. The test results have been divided into three tables and grouped by well number. Table 3 contains the analysis for the constituents of concern listed in the SAP. Table 4 shows all parameters that recorded values above the detection limit for the EPA Method 8260 analysis.

Table 4 shows only the values for parameters from the EPA Method 8260 analysis that exceeded the PQL. Chloroform has been detected in the samples collected from well EW-4. Well EW-4 collects samples from a confined aquifer.

Quality Control

Table 6 contains the quality control data for the duplicate samples collected during the sampling events. The quality control data for the VOC analysis is shown on Table 7.

Description of Monitoring Wells
Etiwanda Generating Station

Well No.	Northing	Easting	Elevation Top of Casing (feet)	Well Depth (feet)	Well Diameter (inches)	Perforated Interval (feet)	Depth to Pump Intake (feet) (Measured from top of casing)	Well Use
EW-1	-2095.50	-2252.19	1106.86	430	4	370-430	425	Water Level -- Sampling
EW-2	-2706.12	-2218.28	1100.81	440	4	380-420	420	Water Level -- Sampling
EW-3	-2702.57	-2435.43	1097.20	435	4	380-420	415	Water Level -- Sampling
EW-4	-2768.78	-2594.34	1101.54	420	4	380-420	418	Water Level -- Sampling
EW-5	-2350.49	-2455.67	1109.08	445	4	375-445	428	Water Level -- Sampling
EW-6	-2759.64	-3050.18	1102.71	440	4	370-425	421	Water Level -- Sampling

Groundwater Elevations
Etiwanda Generating Station

Well No.	Elevation Top of Casing	12/8/08	3/16/09	6/10/09	9/9/09	12/3/09	3/9/10	6/25/10	9/1/10	12/17/10	3/15/11	6/3/11	9/9/11
EW-1	1106.86	679.57	682.98	680.65	677.34	677.78	682.69	681.16	678.88	680.44	682.01	681.74	680.14
EW-2	1100.81	677.28	681.10	678.93	675.64	>673.81	679.16	677.69	675.43	677.69	679.24	678.98	677.31
EW-3	1097.20	676.89	680.43	677.91	674.46	673.56	678.13	676.52	674.33	676.31	677.87	677.53	675.89
EW-4	1101.54	732.85	732.61	732.46	732.19	732.43	732.40	732.02	731.93	732.24	732.02	731.96	732.07
EW-5	1109.08	677.59	680.97	678.60	675.13	674.40	679.21	677.45	675.44	677.64	679.21	678.90	677.29
EW-6	1102.71	>672.71	678.38	675.84	>672.71	>672.71	676.93	674.79	>672.71	674.32	675.83	675.55	673.90

Table 3

Constituents of Concern -- Metals and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-1													
	Date		6/02	9/02	12/02	3/03		6/03	9/03	1/04	3/04	6/04		9/04	12/04	3/05	6/05
Parameter	Units	PQL					PQL						PQL				
Antimony	ug/L	5	ND	ND	ND	ND	5	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND
Arsenic	ug/L	2	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	2	ND	ND	ND	ND
Barium	ug/L	0.5	70	83	83	74	0.5	85	72	72	82	88	2.5	91	88	110	87
Beryllium	ug/L	0.3	ND	ND	ND	ND	0.3	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	0.5	ND	ND	ND	0.68
Chromium, Total	ug/L	4	4.6	5.3	4.1	4.7	4	6.9	6.1	4.7	5.1	5.1	1	7	4.7	7.2	6.5
Chromium VI	ug/L	0.3	3.6	3.9	4.9	3.7	0.3	5.2	3.4	4	NT	4.5	0.3	4.5	5	4.8	4.3
Cobalt	ug/L	0.2	0.21	ND	ND	ND	0.2	ND	ND	ND	ND	ND	0.5	ND	ND	0.62	ND
Copper	ug/L	2	4.8	ND	2.3	2.7	2	2.1	7.7	ND	ND	ND	2.5	ND	ND	ND	4
Lead	ug/L	1	ND	ND	ND	ND	1	ND	ND	ND	ND	1	1	ND	ND	1.3	5.8
Molybdenum	ug/L	1	3.7	4	4	3.6	1	3.5	3.3	4.3	3.9	3.7	0.5	4	3.6	4.1	4.1
Nickel	ug/L	2	2.8	ND	ND	ND	2	ND	ND	ND	ND	ND	4	ND	ND	ND	6.5
Selenium	ug/L	2	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	2	ND	ND	ND	ND
Silver	ug/L	0.5	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	1	ND	ND	ND	1.6
Thallium	ug/L	0.5	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	1	ND	ND	ND	ND
Vanadium	ug/L	5	9.1	10	9.1	9.6	3	9.1	7.7	9.8	10	9.1	2.5	12	9	13	6.2
Zinc	ug/L	10	79	24	14	40	10	25	42	11	ND	ND	10	240	ND	ND	21
pH	Units		7.2	7.2	7.4	7.4		7.6	7.5	7.6	7.5	7.4		7.5	7.4	8.0	7.5
TDS	mg/L	10	250	250	240	230	10	250	230	200	240	240	10	240	220	250	220
Chloride	mg/L	0.5	13	22	24	9.8	0.5	20	13	19	25	20	0.5	16	16	11	31
Fluoride	mg/L	0.05	0.22	ND	ND	0.22	0.05	0.29	0.23	ND	ND	ND	0.5	ND	ND	ND	ND
Iron	ug/L	20	38	ND	ND	ND	20	ND	56	ND	25	24	20	ND	22	1,100	390
Mercury	ug/L	0.1	ND	ND	ND	ND	0.1	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND
Aluminum	ug/L	10	18	10	30	ND	10	11	15	ND	13	18	10	ND	ND	530	170
Manganese	ug/L	10	15	ND	ND	ND	10	ND	ND	ND	ND	ND	10	ND	ND	85	28
Nitrate	mg/L	2	35	26	22	37	2	30	30	18	18	20	2	32	37	49	19

Constituents of Concern -- Metals and General Mineral Parameters
Etiwanda Generating Station

Table 3

Parameter	Well ID		EW-1													
	Date		9/05	12/05	3/06	6/06	9/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09
	Units	PQL															
Antimony	ug/L	2.5	ND	ND	ND	ND	ND	ND	5.2	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	ug/L	2.5	83	79	110	83	91	86	86	86	88	81	76	59	88	76	81
Beryllium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Total	ug/L	1	5.7	4.6	6.5	7.1	6	5.8	6.2	5.4	6	6.5	5.6	3.3	9.6	5.6	3.5
Chromium VI	ug/L	0.3	4.7	4.4	6.4	7.8	10	5.5	6.9	5.1	6.7	5.7	5	2.8	5.4	7.6	5
Cobalt	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	ug/L	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	ug/L	0.5	3.7	3.5	3.1	3.7	3	3.8	4	3	3.5	4	4.8	3.9	3.6	4	5.3
Nickel	ug/L	4	ND	ND	4.7	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ug/L	2.5	13	9.9	11	11	8.9	9.9	12	11	11	11	12	9.6	12	11	11
Zinc	ug/L	10	ND	ND	ND	ND	ND	14	10	ND	ND	ND	ND	ND	30	ND	ND
pH	Units		7.6	7.1	7.9	7.3	8.0	8.0	8.1	8.0	8.2	8.4	8.1	7.9	8.2	7.9	8.1
TDS	mg/L	10	210	230	330	230	290	230	220	230	280	290	160	160	180	230	190
Chloride	mg/L	0.5	11	18	40	21	24	14	13	23	21	18	6.6	8.2	18	27	7.9
Fluoride	mg/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	ug/L	20	85	160	89	59	ND	38	34	39	21	47	110	ND	350	82	45
Mercury	ug/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	ug/L	10	ND	130	170	ND	ND	ND	ND	ND	ND	ND	32	ND	380	45	ND
Manganese	ug/L	10	ND	17	ND	ND	ND	ND	ND	31	ND	ND	17	ND	22	6	15
Nitrate	mg/L	2	29	25	28	16	14	16	18	16	20	18	18	10	20	25	27

Constituents of Concern -- Metals and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-1													
	Date		6/09	9/09	12/09	3/10	6/10	9/10	12/10	3/11	6/11	9/11				
Parameter	Units	PQL														
Antimony	ug/L	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Arsenic	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Barium	ug/L	2.5	88	80	76	85	96	83	81	84	89	82				
Beryllium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Cadmium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Chromium, Total	ug/L	1	8.5	4.1	5	4.4	5.9	5.4	5.7	4.6	4.6	4.9				
Chromium VI	ug/L	0.3	4.4	4.6	3.8	3.8	4.8	4.6	5.1	4.3	4.2	4.2				
Cobalt	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Copper	ug/L	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Lead	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Molybdenum	ug/L	0.5	3.2	3.8	3.6	4.5	4.3	3.9	3.9	3.7	3.9	3.8				
Nickel	ug/L	4	4	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Selenium	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Silver	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Thallium	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Vanadium	ug/L	2.5	10	12	9.4	9.7	8.7	9.4	9.6	8.9	9.7	8.6				
Zinc	ug/L	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
pH	Units		8.1	8.2	8.0	7.9	8.2	8.0	8.0	7.7	7.8	8.0				
TDS	mg/L	10	230	240	210	240	250	220	240	250	220	230				
Chloride	mg/L	0.5	8.7	12	11	9.2	12	17	14	13	13	13				
Fluoride	mg/L	0.5	ND	ND	ND											
Iron	ug/L	20	250	ND	ND											
Mercury	ug/L	0.1	ND	ND	ND											
Aluminum	ug/L	10	200	ND	ND											
Manganese	ug/L	10	69	ND	ND											
Nitrate	mg/L	2	35	38	21											

Table 3

Constituents of Concern -- Metals and General Mineral Parameters
Etiwanda Generating Station

Parameter	Well ID		EW-2													
	Date		6/02	9/02	12/02	3/03		6/03	9/03	1/04	3/04	6/04		9/04	12/04	3/05	6/05
	Units	PQL					PQL						PQL				
Antimony	ug/L	5	ND	ND	ND	ND	5	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND
Arsenic	ug/L	2	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	2	ND	ND	ND	ND
Barium	ug/L	0.5	70	89	66	63	0.5	63	57	55	60	63	2.5	63	58	70	90
Beryllium	ug/L	0.3	ND	ND	ND	ND	0.3	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND
Chromium, Total	ug/L	4	5.1	6.7	ND	ND	4	5.3	4.9	ND	ND	5.1	1	3.9	3.4	3.4	10
Chromium VI	ug/L	0.3	3.1	5.2	3.1	2.7	0.3	3.4	2.3	2.5	NT	3.7	0.3	3.1	2.9	3.5	8.8
Cobalt	ug/L	0.2	0.88	0.28	ND	ND	0.2	0.23	0.24	ND	ND	ND	0.5	ND	ND	ND	ND
Copper	ug/L	2	4.3	ND	2.9	ND	2	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND
Lead	ug/L	1	2.2	ND	ND	ND	1	ND	ND	ND	ND	ND	1	ND	1.4	ND	ND
Molybdenum	ug/L	1	4.5	3.7	4.7	4.3	1	4.3	4	4.2	4.3	3.8	0.5	4.4	4	4.1	3.7
Nickel	ug/L	2	3	ND	ND	ND	2	ND	ND	ND	ND	ND	4	ND	ND	ND	ND
Selenium	ug/L	2	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	2	ND	ND	ND	ND
Silver	ug/L	0.5	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	1	ND	ND	ND	ND
Thallium	ug/L	0.5	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	1	ND	ND	ND	ND
Vanadium	ug/L	5	12	11	11	9.6	3	10	10	9.4	11	9.3	2.5	13	10	10	12
Zinc	ug/L	10	57	19	18	33	10	26	20	ND	ND	ND	10	12	ND	12	ND
pH	Units		7.3	7.1	7.6	7.3		7.3	7.6	7.6	7.7	7.6		7.6	7.7	7.6	7.6
TDS	mg/L	10	270	310	180	200	10	180	180	140	190	200	10	180	170	180	220
Chloride	mg/L	0.5	10	37	12	9.6	0.5	7.7	7.8	7.6	8.6	11	0.5	8.6	9	12	39
Fluoride	mg/L	0.05	0.24	ND	ND	0.24	0.05	0.3	0.19	ND	ND	ND	0.5	ND	ND	ND	ND
Iron	ug/L	20	1,300	120	66	ND	20	130	290	43	ND	23	20	62	ND	23	ND
Mercury	ug/L	0.1	ND	ND	ND	ND	0.1	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND
Aluminum	ug/L	10	900	51	250	ND	10	170	100	24	ND	10	10	57	ND	ND	ND
Manganese	ug/L	10	120	110	15	ND	10	21	67	ND	ND	ND	10	ND	ND	ND	ND
Nitrate	mg/L	2	35	20	9.5	11	2	15	13	12	17	19	2	13	11	12	14

Table 3

Constituents of Concern -- Metals and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-2													
	Date		9/05	12/05	3/06	6/06	6/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09
Parameter	Units	PQL															
Antimony	ug/L	2.5	ND	ND	ND	ND	ND	ND	5.6	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	ug/L	2.5	160	170	150	130	72	81	130	67	71	61	63	67	100	58	55
Beryllium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Total	ug/L	1	24	26	21	17	11	10	26	7.8	6	3.4	3.6	4.2	7	4.1	2.9
Chromium VI	ug/L	0.3	21	26	23	18	11	9.3	26	5.6	5.8	3.6	3.4	5.5	6.4	3.4	3.1
Cobalt	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	ug/L	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	ug/L	0.5	2.5	2.3	2	2.7	3.2	4.1	6.6	3.6	3.6	4.1	3.9	3.1	3.2	3.6	3.7
Nickel	ug/L	4	6.5	6	6.3	5	ND	ND	5.4	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ug/L	2.5	9.6	7.4	9.8	9.1	9.4	10	13	12	11	11	13	8	11	12	11
Zinc	ug/L	10	12	ND	ND	10	ND	11	12	ND	ND	ND	ND	ND	ND	ND	ND
pH	Units		7.5	7.0	7.6	7.4	8.0	7.8	7.9	7.8	8.0	8.0	8.0	8.1	7.9	8.2	8.1
TDS	mg/L	10	410	470	540	340	300	250	360	240	220	220	170	170	210	230	170
Chloride	mg/L	0.5	74	85	58	33	22	17	31	12	10	7.8	8.8	15	29	15	8.5
Fluoride	mg/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	ug/L	20	ND	24	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	190	14	ND
Mercury	ug/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	ug/L	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	140	ND	ND
Manganese	ug/L	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	16	9	ND
Nitrate	mg/L	2	17	16	15	14	14	12	14	12	11	10	9.3	21	22	20	16

Table 3

Constituents of Concern -- Metals and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-2													
	Date		6/09	9/09	3/10	6/10	9/10	12/10	3/11	6/11	9/11					
Parameter	Units	PQL														
Antimony	ug/L	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Arsenic	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Barium	ug/L	2.5	88	84	85	93	80	77	81	86	86					
Beryllium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Cadmium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Chromium, Total	ug/L	1	8.9	4.3	4.1	5	4.6	14	4.9	4.4	5.4					
Chromium VI	ug/L	0.3	3.5	3.9	2.7	4	4.6	4.2	4.5	4	4.4					
Cobalt	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Copper	ug/L	2.5	ND	ND	ND	ND	ND	12	ND	ND	ND					
Lead	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Molybdenum	ug/L	0.5	3.4	4.2	4.3	4.1	4.1	3.8	3.7	3.8	3.8					
Nickel	ug/L	4	4	ND	ND	ND	ND	20	ND	ND	ND					
Selenium	ug/L	2	ND	ND	ND	ND	ND	14	ND	ND	ND					
Silver	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Thallium	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Vanadium	ug/L	2.5	10	12	9.5	8.8	9.8	8.8	8.8	9.8	8.6					
Zinc	ug/L	10	ND	ND	ND	ND	ND	30	ND	ND	ND					
pH	Units		8.2	8.2	7.9	8.2	8.1	8.0	7.8	8.0	8.3					
TDS	mg/L	10	230	250	190	240	230	240	230	250	240					
Chloride	mg/L	0.5	8.4	9.5	8.4	13	12	14	13	13	13					
Fluoride	mg/L	0.5	ND	ND												
Iron	ug/L	20	270	11												
Mercury	ug/L	0.1	ND	ND												
Aluminum	ug/L	10	230	ND												
Manganese	ug/L	10	71	ND												
Nitrate	mg/L	2	35	38												

Table 3

Constituents of Concern -- Metals and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-3													
	Date		6/02	9/02	12/02	3/03		6/03	9/03	1/04	3/04	6/04		9/04	12/04	3/05	6/05
Parameter	Units	PQL					PQL						PQL				
Antimony	ug/L	5	ND	ND	ND	ND	5	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND
Arsenic	ug/L	2	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	2	ND	ND	ND	ND
Barium	ug/L	0.5	77	97	53	50	0.5	35	83	37	37	34	2.5	53	47	47	52
Beryllium	ug/L	0.3	ND	ND	ND	ND	0.3	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND
Chromium, Total	ug/L	4	4.4	8.6	9	5	4	7.4	6.6	13	10	12	1	12	12	10	12
Chromium VI	ug/L	0.3	3.6	8.1	9.1	4.6	0.3	6.2	4.2	11	NT	10	0.3	9.8	12	11	12
Cobalt	ug/L	0.2	0.62	0.31	0.24	ND	0.2	0.45	ND	0.27	0.25	0.2	0.5	ND	ND	ND	ND
Copper	ug/L	2	ND	ND	2.6	ND	2	ND	6.6	ND	ND	ND	2.5	3.6	ND	ND	ND
Lead	ug/L	1	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	1	ND	ND	ND	ND
Molybdenum	ug/L	1	3.8	3.7	3.5	2.9	1	4.2	3.5	2.7	2.8	2.6	0.5	2.5	2.5	2.2	2
Nickel	ug/L	2	ND	ND	13	ND	2	ND	2	6.2	7.1	6.6	4	11	12	17	15
Selenium	ug/L	2	ND	ND	ND	ND	2	ND	ND	3.1	2.3	2.9	2	2.5	2.7	3.1	3.4
Silver	ug/L	0.5	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	1	ND	ND	ND	ND
Thallium	ug/L	0.5	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	1	ND	ND	ND	ND
Vanadium	ug/L	5	11	11	9.2	9.4	3	12	9.1	7.8	8.2	7.9	2.5	10	6.8	8	8.6
Zinc	ug/L	10	ND	14	16	ND	10	18	31	ND	ND	ND	10	19	ND	ND	ND
pH	Units		7.3	7.5	7.3	7.3		7.5	7.7	7.7	7.6	7.7		7.6	7.6	7.8	7.4
TDS	mg/L	10	240	490	580	240	10	260	260	440	730	840	10	1,000	990	1,000	1,300
Chloride	mg/L	0.5	11	56	65	12	0.5	14	17	100	88	96	0.5	130	140	120	150
Fluoride	mg/L	0.05	0.21	ND	ND	0.27	0.05	0.27	0.24	ND	ND	ND	0.5	ND	ND	ND	ND
Iron	ug/L	20	220	150	33	23	20	220	92	91	32	22	20	75	30	40	22
Mercury	ug/L	0.1	ND	ND	ND	ND	0.1	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND
Aluminum	ug/L	10	120	100	79	35	10	210	42	64	21	ND	10	93	ND	ND	ND
Manganese	ug/L	10	110	130	17	30	10	32	23	ND	ND	ND	10	14	ND	ND	ND
Nitrate	mg/L	2	38	14	15	42	2	41	28	22	26	25	2	21	21	20	19

Table 3

Constituents of Concern -- Metals and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-3													
	Date		9/05	12/05	3/06	6/06	9/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09
Parameter	Units	PQL															
Antimony	ug/L	2.5	ND	ND	ND	ND	ND	ND	3.9	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	ug/L	2.5	32	27	26	25	29	32	34	36	68	47	42	47	72	65	60
Beryllium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Total	ug/L	1	15	20	29	28	31	24	27	28	14	23	30	24	11	15	13
Chromium VI	ug/L	0.3	13	19	29	29	28	22	26	27	14	24	27	23	9.4	16	14
Cobalt	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.55
Copper	ug/L	2.5	ND	ND	ND	ND	4.2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	ug/L	1	ND	ND	ND	ND	1.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	ug/L	0.5	2.3	2	2.2	2.3	2.3	3	2.6	2.5	3.2	2.1	2.2	2.2	2.8	2.2	2.3
Nickel	ug/L	4	19	14	12	11	8.5	6.7	4.6	4.8	ND	5.8	7.2	7.4	ND	4.8	7.8
Selenium	ug/L	2	3.2	2	ND	2	ND	ND	ND	ND	ND	ND	2	3	ND	2.1	2.2
Silver	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ug/L	2.5	11	7.3	11	9.5	9.2	8.8	10	10	10	9	10	6.8	12	10	8.7
Zinc	ug/L	10	ND	ND	ND	ND	17	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH	Units		7.5	6.8	7.7	7.6	8.1	7.9	7.8	8.0	7.8	7.9	7.9	7.9	7.9	7.8	7.8
TDS	mg/L	10	1,200	910	890	600	710	540	550	690	450	480	630	700	670	820	720
Chloride	mg/L	0.5	130	130	72	61	60	51	86	75	44	74	100	110	44	99	100
Fluoride	mg/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	ug/L	20	25	27	28	ND	65	ND	ND	ND	96	ND	21	ND	550	260	340
Mercury	ug/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	ug/L	10	ND	ND	ND	ND	72	ND	ND	ND	80	ND	ND	ND	810	170	200
Manganese	ug/L	10	ND	ND	ND	ND	11	ND	ND	ND	19	ND	ND	ND	22	21	38
Nitrate	mg/L	2	16	14	13	13	14	12	12	15	13	17	15	16	17	17	18

Constituents of Concern -- Metals and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-3													
	Date		6/09	9/09	12/09	3/10	6/10	9/10	12/10	3/11	6/11	9/11				
Parameter	Units	PQL														
Antimony	ug/L	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Arsenic	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Barium	ug/L	2.5	86	88	52	63	93	49	55	51	59	68				
Beryllium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Cadmium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Chromium, Total	ug/L	1	11	7	6.7	13	11	6.7	11	13	14	14				
Chromium VI	ug/L	0.3	10	6.8	6.3	11	9.5	4.8	21	12	13	12				
Cobalt	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Copper	ug/L	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Lead	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Molybdenum	ug/L	0.5	3.5	3.4	3.2	2.5	3	3.5	2.9	2.5	2.6	2.8				
Nickel	ug/L	4	ND	ND	ND	7	6	ND	4.9	6.7	6.1	4.7				
Selenium	ug/L	2	ND	ND	ND	3.4	2	ND	2.2	2.5	2.3	2.3				
Silver	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Thallium	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
Vanadium	ug/L	2.5	9.9	12	9.4	8.1	8.1	10	8.5	8.3	9	8.8				
Zinc	ug/L	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND				
pH	Units		7.8	7.9	7.5	7.7	7.8	7.7	7.6	7.6	7.6	7.8				
TDS	mg/L	10	750	600	400	600	980	680	380	770	980	930				
Chloride	mg/L	0.5	91	40	33	110	79	27	83	93	100	95				
Fluoride	mg/L	0.5	ND	ND	ND											
Iron	ug/L	20	130	100	45											
Mercury	ug/L	0.1	ND	ND	ND											
Aluminum	ug/L	10	73	73	32											
Manganese	ug/L	10	13	27	ND											
Nitrate	mg/L	2	17	16	12											

Constituents of Concern -- Metal and General Mineral Parameters
Etiwanda Generating Station

Table 3

Parameter	Well ID		EW-4													
	Date		6/02	9/02	12/02	3/03		6/03	9/03	1/04	3/04	6/04		9/04	12/04	3/05	6/05
	Units	PQL					PQL						PQL				
Antimony	ug/L	5	ND	ND	ND	ND	5	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND
Arsenic	ug/L	2	2.8	ND	ND	ND	2	ND	ND	ND	ND	ND	2	ND	ND	ND	ND
Barium	ug/L	0.5	68	58	100	120	0.5	150	92	87	81	73	2.5	74	66	65	71
Beryllium	ug/L	0.3	ND	ND	ND	ND	0.3	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND
Chromium, Total	ug/L	4	ND	ND	6.7	5	4	43	230	120	79	35	1	31	28	25	160
Chromium VI	ug/L	0.3	ND	0.36	6.6	4.4	0.3	7.7	7.5	2.3	NT	17	0.3	25	23	26	23
Cobalt	ug/L	0.2	1.4	0.32	ND	0.32	0.2	3	3.9	2.4	1.4	0.53	0.5	ND	ND	ND	2.2
Copper	ug/L	2	4.1	ND	2.3	ND	2	7.4	5.3	5.5	ND	2.2	2.5	ND	ND	ND	7.7
Lead	ug/L	1	1.8	ND	ND	ND	1	5	ND	3.2	1.7	1.6	1	1.2	ND	ND	4
Molybdenum	ug/L	1	7.7	2.8	2	2.1	1	6.1	36	9.9	7.4	3.5	0.5	6.6	2.8	2.4	5.9
Nickel	ug/L	2	17	9.1	3.8	11	2	44	170	98	50	19	4	19	9.8	12	15
Selenium	ug/L	2	ND	ND	ND	ND	2	4.7	9.3	5.6	3	3.6	2	2.8	3.7	4.1	3.7
Silver	ug/L	0.5	ND	ND	ND	ND	0.5	1.3	ND	0.95	ND	ND	1	ND	ND	ND	1.4
Thallium	ug/L	0.5	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	1	ND	ND	ND	ND
Vanadium	ug/L	5	6.8	ND	ND	ND	3	13	ND	4.9	5.1	3.8	2.5	8	4.5	5.3	10
Zinc	ug/L	10	150	470	250	240	10	120	13	16	ND	ND	10	14	ND	ND	30
pH	Units		7.1	7.1	7.2	7.0		7.2	7.3	7.2	7.0	7.2		6.9	7.0	7.2	7.4
TDS	mg/L	10	380	540	820	1,000	10	1,200	1,200	980	1,100	1,200	10	1,100	1,100	1,100	1,200
Chloride	mg/L	0.5	11	38	130	190	0.5	230	220	220	190	190	0.5	180	200	170	180
Fluoride	mg/L	0.05	0.29	ND	ND	0.19	0.05	0.18	0.1	ND	ND	ND	0.5	ND	ND	ND	ND
Iron	ug/L	20	1,300	490	68	62	20	3,800	970	1,100	590	140	20	58	34	35	2,700
Mercury	ug/L	0.1	ND	ND	ND	ND	0.1	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND
Aluminum	ug/L	10	880	28	48	19	10	2,600	69	260	55	14	10	43	ND	ND	770
Manganese	ug/L	10	340	77	13	11	10	380	35	44	19	ND	10	ND	ND	ND	140
Nitrate	mg/L	2	1.4	4.9	7.6	9.4	2	12	10	11	14	12	2	13	14	13	14

Table 3

Constituents of Concern -- Metal and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-4													
	Date		9/05	12/05	3/06	6/06	9/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09
Parameter	Units	PQL															
Antimony	ug/L	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ug/L	2	ND	ND	ND	ND	ND	ND	ND	2.4	ND	ND	ND	ND	ND	ND	ND
Barium	ug/L	2.5	36	37	51	57	59	59	54	52	53	56	57	47	53	45	44
Beryllium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Total	ug/L	1	23	14	21	22	25	26	21	26	22	34	29	21	21	21	17
Chromium VI	ug/L	0.3	9.7	12	18	21	21	20	21	21	21	21	21	20	19	20	17
Cobalt	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	ug/L	2.5	2.7	ND	ND	ND	ND	ND	ND	ND	ND	3.3	ND	ND	ND	ND	ND
Lead	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	2.3	ND	ND	ND	ND	ND
Molybdenum	ug/L	0.5	3.8	3.5	2.7	2.2	2.4	2.8	2.2	2.2	2.3	1.7	2.4	1.9	2.2	2.3	2.3
Nickel	ug/L	4	11	8.1	10	11	5.2	6	ND	ND	ND	9.4	5.5	5.3	ND	ND	5.2
Selenium	ug/L	2	ND	ND	2.3	2.5	2.3	2.7	ND	3	2.6	2	2.9	3.5	3	3	2.7
Silver	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ug/L	2.5	11	7.8	9.3	8.2	6.6	6.8	8	8.4	7.8	8.5	8.2	4.6	7.4	7.9	6.3
Zinc	ug/L	10	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH	Units		7.2	6.7	7.4	7.0	7.8	7.8	7.7	7.8	7.8	7.8	7.7	7.7	7.8	7.7	7.7
TDS	mg/L	10	680	650	800	820	1,200	960	950	1,100	890	1,300	1,000	1,200	1,200	1,100	1,000
Chloride	mg/L	0.5	65	83	100	110	120	120	130	140	150	160	160	190	190	180	170
Fluoride	mg/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	ug/L	20	200	29	27	ND	ND	26	ND	ND	ND	470	80	ND	ND	13	ND
Mercury	ug/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	ug/L	10	110	ND	ND	ND	ND	ND	ND	ND	ND	87	36	ND	ND	ND	ND
Manganese	ug/L	10	12	ND	ND	ND	ND	ND	ND	ND	ND	28	ND	ND	ND	ND	ND
Nitrate	mg/L	2	11	12	13	14	15	15	14	17	16	16	14	15	14	14	15

Constituents of Concern -- Metal and General Mineral Parameters
Etiwanda Generating Station

Table 3

	Well ID		EW-4									
	Date		6/09	9/09	12/09	3/10	6/10	9/10	12/10	3/11	6/11	9/11
Parameter	Units	PQL										
Antimony	ug/L	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	ug/L	2.5	64	48	41	46	53	48	43	42	45	37
Beryllium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Total	ug/L	1	19	19	21	23	25	24	25	26	24	21
Chromium VI	ug/L	0.3	19	19	20	19	21	24	9.3	24	27	21
Cobalt	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	ug/L	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	ug/L	0.5	4	2.1	2.2	2.7	2.3	2.1	2.1	1.9	2.3	2.3
Nickel	ug/L	4	ND	ND	4.2	4.5	6.7	5.4	5.4	4.2	5.9	ND
Selenium	ug/L	2	2.2	3	2.6	2.8	3.4	3.2	2.8	2.9	2.6	ND
Silver	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ug/L	2.5	8.9	8	6.6	6.8	5.8	6.2	6.4	5.6	6.7	6.9
Zinc	ug/L	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH	Units		7.6	7.7	7.3	7.6	7.6	7.5	7.5	7.5	7.4	7.8
TDS	mg/L	10	1,100	1,100	1,100	1,000	1,100	1,300	1,200	1,200	1,200	1,100
Chloride	mg/L	0.5	170	170	140	150	160	160	140	130	120	110
Fluoride	mg/L	0.5	ND	ND	ND							
Iron	ug/L	20	26	ND	ND							
Mercury	ug/L	0.1	ND	ND	ND							
Aluminum	ug/L	10	ND	ND	ND							
Manganese	ug/L	10	ND	ND	ND							
Nitrate	mg/L	2	14	15	14							

Constituents of Concern -- Metal and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-5														
	Date		3/03		6/03	9/03	1/04	3/04	6/04		9/04	12/04	3/05	6/05	9/05	12/05	3/06
Parameter	Units	PQL		PQL						PQL							
Antimony	ug/L	5	ND	5	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND
Arsenic	ug/L	2	ND	2	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND
Barium	ug/L	0.5	92	0.5	99	84	92	90	88	2.5	77	88	99	89	72	74	78
Beryllium	ug/L	0.3	ND	0.3	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	0.5	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND	ND	ND
Chromium, Total	ug/L	4	4.4	4	ND	6	6	4.3	4.9	1	4.2	4.8	6.4	4.9	4.4	6.3	7.9
Chromium VI	ug/L	0.3	3.9	0.3	2.8	3.9	3.9	NT	4.6	0.3	4.4	4.2	4.6	4.6	3.7	3.6	6.7
Cobalt	ug/L	0.2	ND	0.2	ND	ND	0.34	ND	ND	0.5	ND	ND	ND	ND	ND	ND	ND
Copper	ug/L	2	ND	2	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND	ND	ND
Lead	ug/L	1	ND	1	ND	ND	ND	ND	ND	1	ND	ND	1.1	ND	ND	ND	ND
Molybdenum	ug/L	1	3.6	1	3.8	3.9	4.4	4.3	3.6	0.5	3.5	3.6	3.9	4.3	3.5	3.6	3.3
Nickel	ug/L	2	ND	2	ND	ND	ND	ND	ND	4	ND	ND	ND	ND	ND	ND	ND
Selenium	ug/L	2	ND	2	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	0.5	ND	0.5	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND
Thallium	ug/L	0.5	ND	0.5	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND	ND	ND
Vanadium	ug/L	5	9.6	3	8.9	7.8	12	10	8.4	2.5	11	8.2	12	11	12	11	13
Zinc	ug/L	10	ND	10	60	ND	11	ND	ND	10	15	ND	ND	ND	ND	ND	ND
pH	Units		7.3		7.3	7.4	7.3	7.5	7.1		7.5	7.4	7.5	7.5	7.5	7.1	8.0
TDS	mg/L	10	240	10	250	250	200	240	250	10	240	240	250	220	250	210	220
Chloride	mg/L	0.5	13	0.5	23	17	14	14	20	0.5	16	12	12	12	12	14	19
Fluoride	mg/L	0.05	0.23	0.05	0.29	0.47	ND	ND	ND	0.5	ND	ND	ND	ND	ND	ND	ND
Iron	ug/L	20	ND	20	24	43	450	23	ND	20	ND	24	830	ND	27	820	380
Mercury	ug/L	0.1	ND	0.1	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND	ND	ND	ND
Aluminum	ug/L	10	30	10	110	78	250	21	13	10	ND	ND	440	ND	ND	460	140
Manganese	ug/L	10	33	10	ND	ND	37	ND	ND	10	ND	ND	63	ND	ND	63	33
Nitrate	mg/L	2	40	2	22	31	40	34	20	2	34	53	49	48	26	21	16

Constituents of Concern -- Metal and General Mineral Parameters
Etiwanda Generating Station

Table 3

	Well ID		EW-5													
	Date		6/06	9/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09	6/09	9/09	12/09
Parameter	Units	PQL															
Antimony	ug/L	2.5	ND	ND	ND	4.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	ug/L	2.5	86	95	83	84	92	83	130	73	75	95	72	74	62	82	80
Beryllium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Total	ug/L	1	4.3	6	5.1	4.2	5.2	4.1	7	3.3	4.7	6.6	3.6	3.9	12	3.8	4.1
Chromium VI	ug/L	0.3	4.7	5.9	4.7	4.1	4.9	4.2	3.6	3.4	4.3	6.6	3.6	3.5	3.4	4.2	3.9
Cobalt	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	ug/L	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Lead	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	ug/L	0.5	3.4	3.2	3.9	3.9	3.2	3.4	9.2	4.2	3.6	2.9	4.1	4	3.1	3.5	4.2
Nickel	ug/L	4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Selenium	ug/L	2	ND	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ug/L	2.5	10	8.6	10	11	11	10	22	12	8.9	10	11	11	8.3	11	9.2
Zinc	ug/L	10	ND	ND	ND	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH	Units		7.5	7.8	7.9	7.7	7.9	7.8	8.0	7.8	7.9	7.9	7.7	7.8	7.8	8.2	7.6
TDS	mg/L	10	230	250	180	200	240	270	210	170	170	220	210	200	220	240	230
Chloride	mg/L	0.5	22	20	13	13	23	20	6.5	6.8	21	28	7.7	8.3	8.7	14	10
Fluoride	mg/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Iron	ug/L	20	ND	ND	54	ND	ND	ND	29	21	ND	150	40	110	10	ND	ND
Mercury	ug/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Aluminum	ug/L	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	110	25	48	ND	ND	ND
Manganese	ug/L	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	11	10	9	ND	ND	ND
Nitrate	mg/L	2	18	24	21	17	21	18	11	19	21	23	27	35	39	39	34

Constituents of Concern -- Metal and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-5															
	Date		3/10	6/10	9/10	12/10	3/11	6/11	9/11									
Parameter	Units	PQL																
Antimony	ug/L	2.5	ND	ND	ND	ND	ND	ND	ND									
Arsenic	ug/L	2	ND	ND	ND	ND	ND	ND	ND									
Barium	ug/L	2.5	93	93	83	83	84	88	82									
Beryllium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND									
Cadmium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND									
Chromium, Total	ug/L	1	4.7	5	4.9	4.6	4.5	4.6	4.6									
Chromium VI	ug/L	0.3	4.6	4.2	4.1	4	4.2	4.2	4.2									
Cobalt	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND									
Copper	ug/L	2.5	ND	ND	ND	ND	ND	ND	ND									
Lead	ug/L	1	ND	ND	ND	ND	ND	ND	ND									
Molybdenum	ug/L	0.5	4.2	4.2	3.9	4	3.7	3.9	3.9									
Nickel	ug/L	4	ND	ND	ND	ND	ND	ND	ND									
Selenium	ug/L	2	ND	ND	ND	ND	ND	ND	ND									
Silver	ug/L	1	ND	ND	ND	ND	ND	ND	ND									
Thallium	ug/L	1	ND	ND	ND	ND	ND	ND	ND									
Vanadium	ug/L	2.5	9	8.2	9.7	8.7	8.8	9.9	9.3									
Zinc	ug/L	10	ND	ND	ND	ND	ND	ND	ND									
pH	Units		7.8	7.9	7.5	7.6	7.6	7.7	7.8									
TDS	mg/L	10	240	250	220	240	260	230	240									
Chloride	mg/L	0.5	13	12	16	14	13	13	12									
Fluoride																		
Iron																		
Mercury																		
Aluminum																		
Manganese																		
Nitrate																		

Table 3

Constituents of Concern -- Metal and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-6													
	Date		9/02	12/02	3/03		6/03	9/03	1/04	3/04	6/04		9/04	12/04	3/05	6/05	9/05
Parameter	Units	PQL				PQL						PQL					
Antimony	ug/L	5	ND	ND	ND	5	ND	ND	ND	ND	ND	2.5	ND	ND	ND	ND	ND
Arsenic	ug/L	2	ND	3.4	ND	2	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND
Barium	ug/L	0.5	520	9,700	510	0.5	1,100	830	200	210	160	2.5	170	160	170	300	190
Beryllium	ug/L	0.3	ND	ND	ND	0.3	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	ND	ND	0.5	ND	ND	ND	ND	ND	0.5	ND	ND	ND	ND	ND
Chromium, Total	ug/L	4	ND	ND	4	4	ND	9.4	5.6	5.1	6.5	1	6.9	6	5.3	18	8.1
Chromium VI	ug/L	0.3	ND	ND	3.4	0.3	0.49	2.5	4.6	NT	4.7	0.3	5.9	5.5	6.1	4.8	6.7
Cobalt	ug/L	0.2	4	5.6	0.2	0.2	0.29	0.45	ND	ND	ND	0.5	ND	ND	ND	ND	ND
Copper	ug/L	2	ND	3.3	ND	2	2.4	17	ND	ND	ND	2.5	ND	ND	ND	2.9	ND
Lead	ug/L	1	ND	ND	ND	1	ND	ND	ND	ND	ND	1	3.4	ND	ND	ND	ND
Molybdenum	ug/L	1	3.7	1.6	3.9	1	3.1	3.5	3.6	3.9	3.8	0.5	4.2	3.7	4.1	4.9	3.9
Nickel	ug/L	2	6.6	3.9	2.6	2	ND	3.1	ND	11	3.3	4	ND	4.7	4.9	6.8	ND
Selenium	ug/L	2	ND	ND	ND	2	ND	ND	ND	ND	ND	2	ND	ND	ND	ND	ND
Silver	ug/L	0.5	ND	ND	ND	0.5	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND
Thallium	ug/L	0.5	ND	ND	ND	0.5	ND	ND	ND	ND	ND	1	ND	ND	ND	ND	ND
Vanadium	ug/L	5	ND	ND	7.4	3	4.4	7	8.1	9.7	7.3	2.5	10	8.5	8.9	12	13
Zinc	ug/L	10	ND	15	210	10	19	190	14	11	ND	10	21	ND	ND	16	ND
pH	Units		6.8	6.4	7.2		6.9	7.2	7.3	7.1	7.4		7.5	7.2	7.6	7.7	7.2
TDS	mg/L	10	430	680	280	10	330	280	230	280	270	10	270	260	270	250	260
Chloride	mg/L	0.5	29	31	22	0.5	35	26	22	17	18	0.5	24	20	19	21	31
Fluoride	mg/L	0.05	ND	ND	0.29	0.05	0.28	0.26	ND	ND	ND	0.5	ND	ND	ND	ND	ND
Iron	ug/L	20	1,700	24,000	54	20	140	850	55	73	ND	20	20	35	34	620	ND
Mercury	ug/L	0.1	ND	ND	ND	0.1	ND	ND	ND	ND	ND	0.1	ND	ND	ND	ND	ND
Aluminum	ug/L	10	20	24	98	10	39	420	15	18	ND	10	ND	ND	ND	100	ND
Manganese	ug/L	10	1,700	6,400	120	10	360	190	ND	ND	ND	10	ND	ND	ND	73	ND
Nitrate	mg/L	2	ND	ND	20	2	13	17	24	26	26	2	25	26	26	25	23

Constituents of Concern -- Metal and General Mineral Parameters
Etiwanda Generating Station

	Well ID		EW-6													
	Date		12/05	3/06	6/06	9/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08	3/11	6/11	9/11
Parameter	Units	PQL															
Antimony	ug/L	2.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Arsenic	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Barium	ug/L	2.5	150	130	170	200	170	130	160	130	160	150	160	77	84	88	85
Beryllium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Cadmium	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chromium, Total	ug/L	1	5	4.4	6.8	9.3	7.3	5.2	8.2	8.4	14	8.6	11	4.6	4.4	4.4	4.8
Chromium VI	ug/L	0.3	4.6	4.5	7.1	8.3	6.4	5.2	7.2	7.4	13	8.4	9.4	4.6	3.9	4.3	4.4
Cobalt	ug/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Copper	ug/L	2.5	ND	ND	ND	ND	2.5	ND	ND	3	ND	ND	ND	ND	ND	ND	ND
Lead	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Molybdenum	ug/L	0.5	4	4.1	3.4	3.1	3.5	3.4	3.3	3.7	5	3.4	3.6	3.8	3.7	3.9	3.8
Nickel	ug/L	4	ND	ND	ND	ND	ND	ND	ND	ND	8.7	ND	19	ND	ND	ND	ND
Selenium	ug/L	2	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Silver	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Thallium	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Vanadium	ug/L	2.5	8.3	11	9.9	7.8	9	9.7	10	11	9.5	11	8.1	12	9.1	10	9.2
Zinc	ug/L	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
pH	Units		6.2	7.3	7.2	7.9	7.8	7.5	7.9	8.0	8.0	7.7	8.0	8.1	7.5	7.9	8.2
TDS	mg/L	10	260	260	280	330	310	260	300	300	370	290	280	180	250	220	220
Chloride	mg/L	0.5	22	22	35	56	37	28	43	37	46	37	43	16	13	13	16
Fluoride	mg/L	0.5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Iron	ug/L	20	43	ND	ND	ND	ND	ND	ND	34	32	20	ND	63			
Mercury	ug/L	0.1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND			
Aluminum	ug/L	10	ND	65	ND	72	ND	ND	ND	ND	ND	ND	ND	58			
Manganese	ug/L	10	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	20			
Nitrate	mg/L	2	27	28	22	22	23	24	27	20	23	23	23	21			

Table 4

Constituents of Concern -- VOC (EPA Method 8260) Parameters
Etiwanda Generating Station

	Well ID		EW-1															
	Date		6/02	9/02	12/02	3/03	6/03	9/03	1/04	3/04	6/04	9/04	12/04	3/05	6/05	9/05	12/05	3/06	6/06
Parameter	Units	PQL																	
Bromoform	ug/L	1	[4.3]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	1	[1.5]	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

	Well ID		EW-1															
	Date		9/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09	6/09	9/09	12/09	3/10	6/10	9/10
Parameter	Units	PQL																	
Bromoform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

[ ] denotes detection in trip blank

Constituents of Concern -- VOC (EPA Method 8260) Parameters
Etiwanda Generating Station

	Well ID	EW-1																	
	Date	12/10	3/11	6/11	9/11														
Parameter	Units	PQL																	
Bromoform	ug/L	1	ND	ND	ND	ND													
Dibromochloromethane	ug/L	1	ND	ND	ND	ND													
2-Butanone	ug/L	5	ND	ND	ND	ND													
Acetone	ug/L	5	ND	ND	ND	ND													
p-Isopropyltoluene	ug/L	1	ND	ND	ND	ND													
Chloroform	ug/L	1	ND	ND	ND	ND													

	Well ID	EW-1																	
	Date																		
Parameter	Units	PQL																	
Bromoform	ug/L	1																	
Dibromochloromethane	ug/L	1																	
2-Butanone	ug/L	5																	
Acetone	ug/L	5																	
p-Isopropyltoluene	ug/L	1																	
Chloroform	ug/L	1																	

[ ] denotes detection in trip blank

Constituents of Concern -- VOC (EPA Method 8260) Parameters
Etiwanda Generating Station

	Well ID	EW-2																
	Date	6/02	9/02	12/02	3/03	6/03	9/03	1/04	3/04	6/04	9/04	12/04	3/05	6/05	9/05	12/05	3/06	6/06
Parameter	Units / PQL																	
Bromoform	ug/L 1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L 1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L 5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ug/L 5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ug/L 1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L 1	ND	ND	ND	ND	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.3	1.1	ND

	Well ID	EW-2																
	Date	9/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09	6/09	9/09	3/10	6/10	9/10	12/10
Parameter	Units / PQL																	
Bromoform	ug/L 1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L 1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L 5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ug/L 5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ug/L 1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L 1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

[ ] denotes detection in trip blank

Constituents of Concern -- VOC (EPA Method 8260) Parameters
Etiwanda Generating Station

	Well ID		EW-2		
	Date		3/11	6/11	9/11
Parameter	Units	PQL			
Bromoform	ug/L	1	ND	ND	ND
Dibromochloromethane	ug/L	1	ND	ND	ND
2-Butanone	ug/L	5	ND	ND	ND
Acetone	ug/L	5	ND	ND	ND
p-Isopropyltoluene	ug/L	1	ND	ND	ND
Chloroform	ug/L	1	ND	ND	ND

	Well ID		EW-2
	Date		
Parameter	Units	PQL	
Bromoform	ug/L	1	
Dibromochloromethane	ug/L	1	
2-Butanone	ug/L	5	
Acetone	ug/L	5	
p-Isopropyltoluene	ug/L	1	
Chloroform	ug/L	1	

[ ] denotes detection in trip blank

Constituents of Concern -- VOC (EPA Method 8260) Parameters
Etiwanda Generating Station

	Well ID		EW-3															
	Date		6/02	9/02	12/02	3/03	6/03	9/03	1/04	3/04	6/04	9/04	12/04	3/05	6/05	9/05	12/05	3/06	6/06
Parameter	Units	PQL																	
Bromoform	ug/L	1	1.9	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

	Well ID		EW-3															
	Date		9/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09	6/09	9/09	12/09	3/10	6/10	9/10
Parameter	Units	PQL																	
Bromoform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ug/L	1	2.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

[ ] denotes detection in trip blank

Constituents of Concern -- VOC (EPA Method 8260) Parameters
Etiwanda Generating Station

	Well ID		EW-3																
	Date		12/10	3/11	6/11	9/11													
Parameter	Units	PQL																	
Bromoform	ug/L	1	ND	ND	ND	ND													
Dibromochloromethane	ug/L	1	ND	ND	ND	ND													
2-Butanone	ug/L	5	ND	ND	ND	ND													
Acetone	ug/L	5	ND	ND	ND	ND													
p-Isopropyltoluene	ug/L	1	ND	ND	ND	ND													
Chloroform	ug/L	1	ND	ND	ND	ND													

	Well ID		EW-3																
	Date																		
Parameter	Units	PQL																	
Bromoform	ug/L	1																	
Dibromochloromethane	ug/L	1																	
2-Butanone	ug/L	5																	
Acetone	ug/L	5																	
p-Isopropyltoluene	ug/L	1																	
Chloroform	ug/L	1																	

[ ] denotes detection in trip blank

Constituents of Concern -- VOC (EPA Method 8260) Parameters
Etiwanda Generating Station

	Well ID		EW-4															
	Date		6/02	9/02	12/02	3/03	6/03	9/03	1/04	3/04	6/04	9/04	12/04	3/05	6/05	9/05	12/05	3/06	6/06
Parameter	Units	PQL																	
Bromoform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	1	3.9	ND	6.7	7.1	4.7	4.6	5.2	4.4	3.7	3.9	4.2	3.4	3.6	ND	ND	1.2	1.1

	Well ID		EW-4															
	Date		9/06	12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09	6/09	9/09	12/09	3/10	6/10	9/10
Parameter	Units	PQL																	
Bromoform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	1	1.3	1	1.2	1.5	1.2	1.8	2	1.8	2.2	2.1	1.8	2.4	2.4	2	2.3	2.3	1.5

[ ] denotes detection in trip blank

Constituents of Concern -- VOC (EPA Method 8260) Parameters
Etiwanda Generating Station

	Well ID		EW-4																
	Date		12/10	3/11	6/11	9/11													
Parameter	Units	PQL																	
Bromoform	ug/L	1	ND	ND	ND	ND													
Dibromochloromethane	ug/L	1	ND	ND	ND	ND													
2-Butanone	ug/L	5	ND	ND	ND	ND													
Acetone	ug/L	5	ND	ND	ND	ND													
p-Isopropyltoluene	ug/L	1	ND	ND	ND	ND													
Chloroform	ug/L	1	ND	1.5	ND	ND													

	Well ID		EW-4																
	Date																		
Parameter	Units	PQL																	
Bromoform	ug/L	1																	
Dibromochloromethane	ug/L	1																	
2-Butanone	ug/L	5																	
Acetone	ug/L	5																	
p-Isopropyltoluene	ug/L	1																	
Chloroform	ug/L	1																	

[ ] denotes detection in trip blank

Constituents of Concern -- VOC (EPA Method 8260) Parameters
Etiwanda Generating Station

Parameter	Well ID		EW-5															
	Date		3/03	6/03	9/03	1/04	3/04	6/04	9/04	12/04	3/05	6/05	9/05	12/05	3/06	6/06	9/06	12/06	3/07
	Units	PQL																	
Bromoform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

Parameter	Well ID		EW-5															
	Date		6/07	9/07	12/07	3/08	6/08	9/08	12/08	3/09	6/09	9/09	12/09	3/10	6/10	9/10	12/10	3/11	6/11
	Units	PQL																	
Bromoform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

[ ] denotes detection in trip blank

Constituents of Concern -- VOC (EPA Method 8260) Parameters
Etiwanda Generating Station

	Well ID		EW-5																
	Date		9/11																
Parameter	Units	PQL																	
Bromoform	ug/L	1	ND																
Dibromochloromethane	ug/L	1	ND																
2-Butanone	ug/L	5	ND																
Acetone	ug/L	5	ND																
p-Isopropyltoluene	ug/L	1	ND																
Chloroform	ug/L	1	ND																

	Well ID		EW-5																
	Date																		
Parameter	Units	PQL																	
Bromoform	ug/L	1																	
Dibromochloromethane	ug/L	1																	
2-Butanone	ug/L	5																	
Acetone	ug/L	5																	
p-Isopropyltoluene	ug/L	1																	
Chloroform	ug/L	1																	

[ ] denotes detection in trip blank

Constituents of Concern -- VOC (EPA Method 8260) Parameters
Etiwanda Generating Station

	Well ID		EW-6															
	Date		9/02	12/02	3/03	6/03	9/03	1/04	3/04	6/04	9/04	12/04	3/05	6/05	9/05	12/05	3/06	6/06	9/06
Parameter	Units	PQL																	
Bromoform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Dibromochloromethane	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
2-Butanone	ug/L	5	ND	13	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Acetone	ug/L	5	ND	5.4	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
p-Isopropyltoluene	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
Chloroform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND

	Well ID		EW-6															
	Date		12/06	3/07	6/07	9/07	12/07	3/08	6/08	9/08	3/11	6/11	9/11					
Parameter	Units	PQL																
Bromoform	ug/L	1	1.3	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Dibromochloromethane	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
2-Butanone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Acetone	ug/L	5	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
p-Isopropyltoluene	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					
Chloroform	ug/L	1	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND					

[ ] denotes detection in trip blank

Quarterly Sampling -- Quality Control -- COC
Etiwanda Generating Station

	Date		9/9/2011		
Parameter	Units	PQL	EW-3	EW-103	RPD
Antimony	ug/L	5	ND	ND	
Arsenic	ug/L	2	ND	ND	
Barium	ug/L	0.5	68	69	1
Beryllium	ug/L	0.3	ND	ND	
Cadmium	ug/L	0.5	ND	ND	
Chromium, Total	mg/L	4	14	13	7
Chromium VI	ug/L	0.5	12	12	0
Cobalt	ug/L	0.2	ND	ND	
Copper	ug/L	2	ND	ND	
Lead	ug/L	1	ND	ND	
Molybdenum	ug/L	1	2.8	2.8	0
Nickel	ug/L	2	4.7	4.1	14
Selenium	ug/L	2	2.3	ND	
Silver	ug/L	0.5	ND	ND	
Thallium	ug/L	0.5	ND	ND	
Vanadium	ug/L	3	8.8	8.5	3
Zinc	ug/L	10	ND	ND	
pH	Units		7.8	7.8	0
TDS	mg/L	10	930	910	2
Chloride	ug/L	0.5	95	90	5

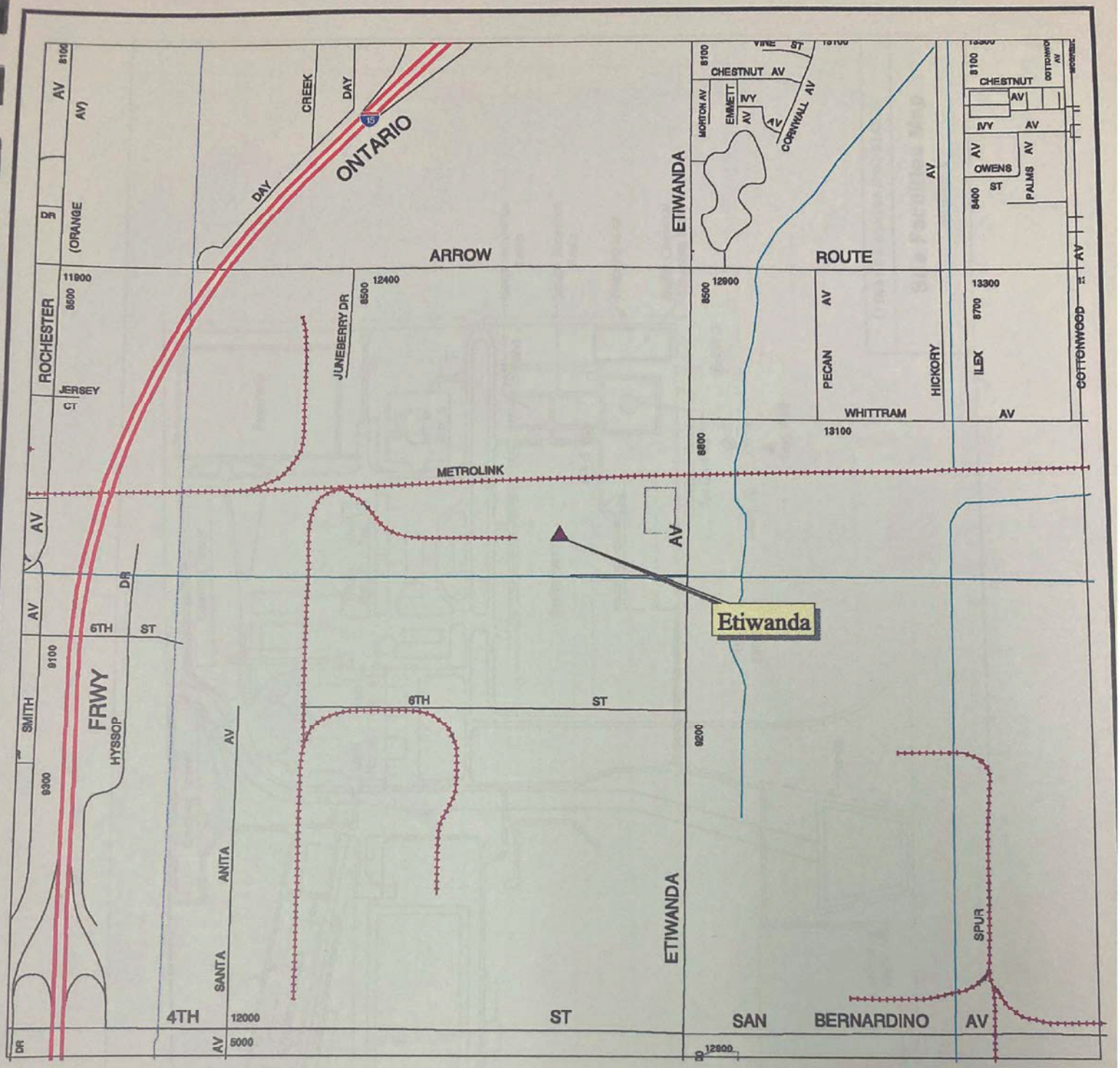
Quarterly Sampling -- Quality Control -- VOC
Etiwanda Generating Station

Parameter	Date		9/9/2011					
	Units	PQL	EW-3	EW-103	RPD	EW-101 Field Blank	EW-104 Field Blank	EW-102 Trip Blank
Bromoform	ug/L	1	ND	ND		ND	ND	ND
Dibromochloromethane	ug/L	1	ND	ND		ND	ND	ND
Chloroform	ug/L	1	ND	ND		ND	ND	ND

98141	98464 - 67
98144 - 46	98471 - 72
98148	98477 - 78
98151	98481 - 82
98154 - 55	98490
98158	98492 - 94
98160 - 61	98496 - 99
98164 - 66	98501 - 09
98168	98511 - 13
98170 - 71	98516
98174 - 75	98520
98177 - 78	98522
98181	98524
98184 - 85	98526 - 28
98188	98530 - 33
98190 - 91	98535 - 42
98194 - 95	98544
98198 - 99	98546 - 48
98201 - 08	98550 - 52
98213	98554 - 66
98220 - 33	98568 - 72
98235 - 41	98575 - 77
98243 - 53	98579 - 93
98255 - 64	98595 - 97
98266 - 68	98599
98270 - 84	98601 - 07
98286 - 88	98609 - 14
98290 - 97	98616 - 17
98303 - 05	98619 - 26
98310 - 15	98628 - 29
98320 - 40	98631 - 32
98342 - 46	98635
98348 - 68	98637 = 45
98370 - 78	98647 - 51
98380 - 88	98660 - 68
98390 - 98	98670 - 75
98401 - 09	98682 - 87
98411 - 13	
98415 - 19	
98421 - 22	
98424	
98430 - 31	
98433 - 34	
98438 - 39	
98442 - 48	
98450	
98455	
98460	

Nevada zip codes that are **NOT** considered West Coast until further notice:

89007 - Bunkerville, NV
89024 - Mesquite, NV
89027 - Mesquite, NV
89028 - Laughlin, NV
89029 - Laughlin, NV
89034 - Bunkerville, NV



0.4 0 0.4 0.8 1.2 Miles

▲ Target Property

Target Property: Etiwanda Generation Facility

Source: Thomas Bros. Street Data

Reproduced with permission granted by THOMAS BROS. MAPS®. Portions of this map are copyrighted by THOMAS BROS. MAPS®. It is unlawful to copy or reproduce all or any part thereof, whether for personal use or resale, without the prior, written permission of THOMAS BROS. MAPS®.

Thomas Bros. Maps®

Map Number:	gs010823404
Issued For:	D. Chupa
Projection:	Nad83/UTM/Zone 11
Approved By:	D. Chupa
Checked By:	D. Chupa/Jim Schaefle
Project Lead:	Pat Turner
Supervisor:	Greta Bellis
Created By:	Jim Schaefle
Date:	11/07/01

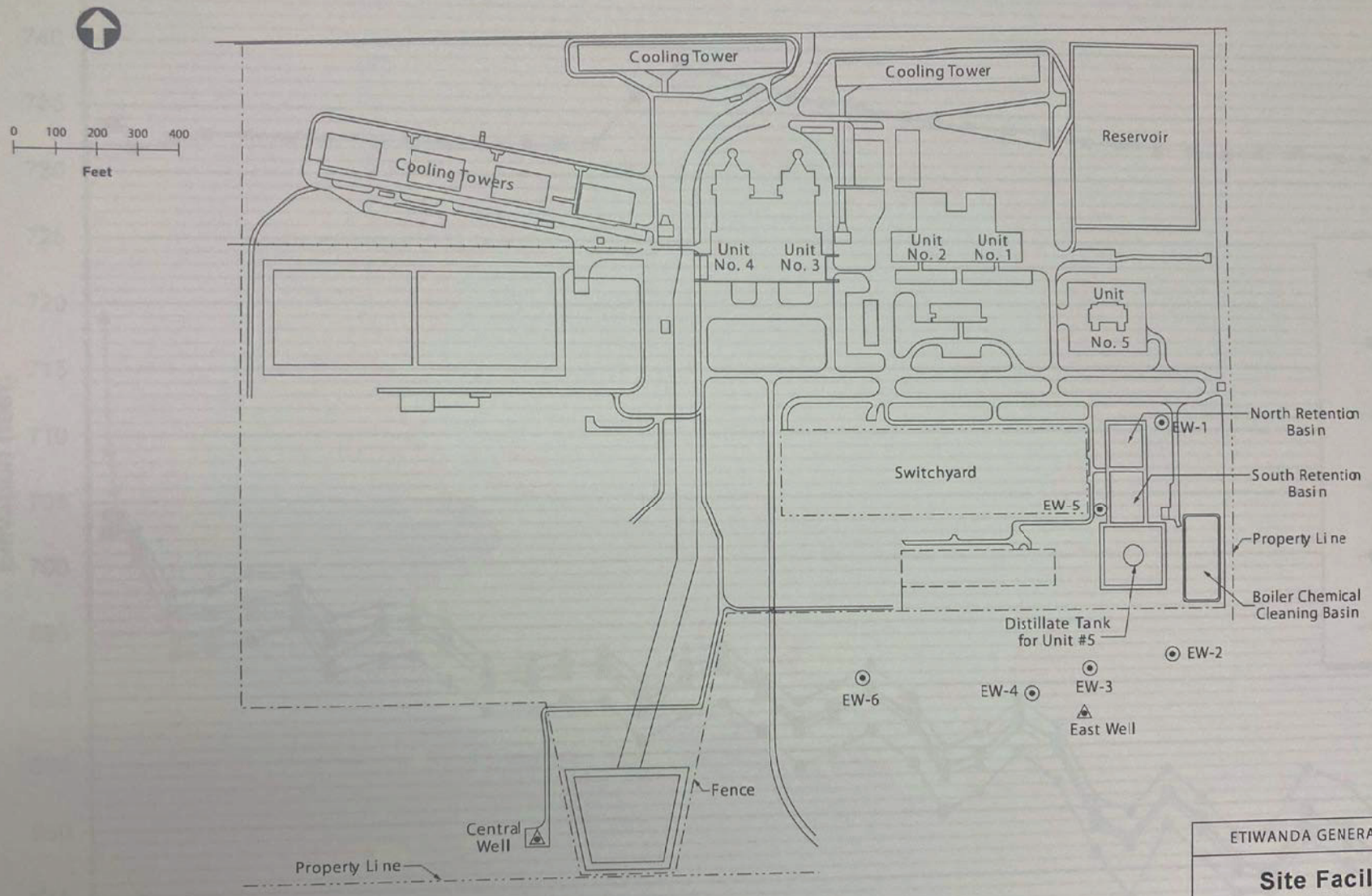
Southern California Edison (SCE) has no indication or reason to believe that there are any inaccuracies or defects with information incorporated in this work and make no representations of any kind, including, but not limited to, the warranties of merchantability or fitness for a particular use, nor are any such warranties to be implied, with respect to the information or data, furnished herein. No part of this map may be reproduced or transmitted in any form or by any means, electronic or mechanical, including photocopying and recording system, except as expressly permitted in writing by SCE.

N

C&GS

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL Company

FIGURE 2



ETIWANDA GENERATING STATION

Site Facilities Map

FIGURE 3

Groundwater Elevations -- Etiwanda Generating Station

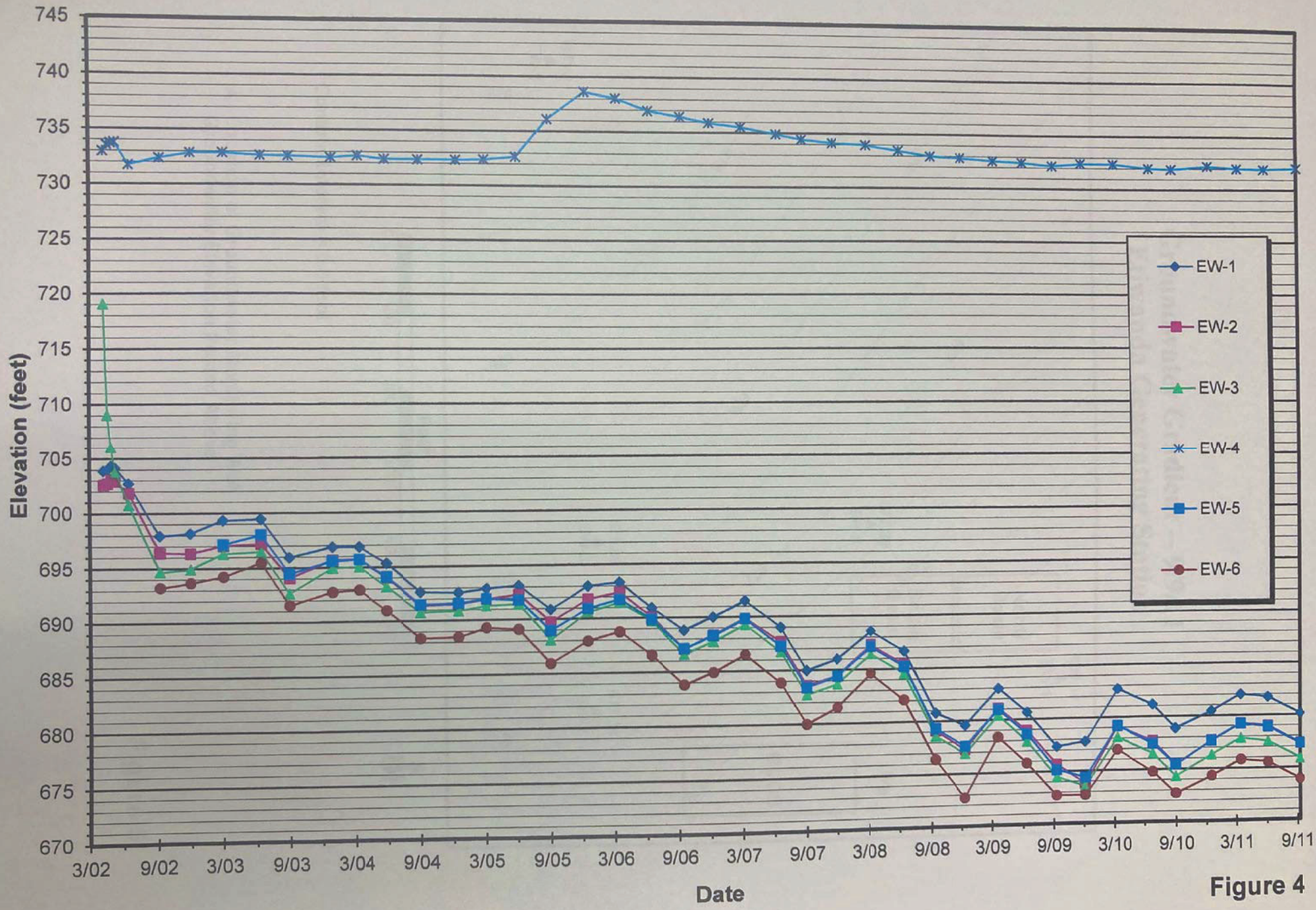
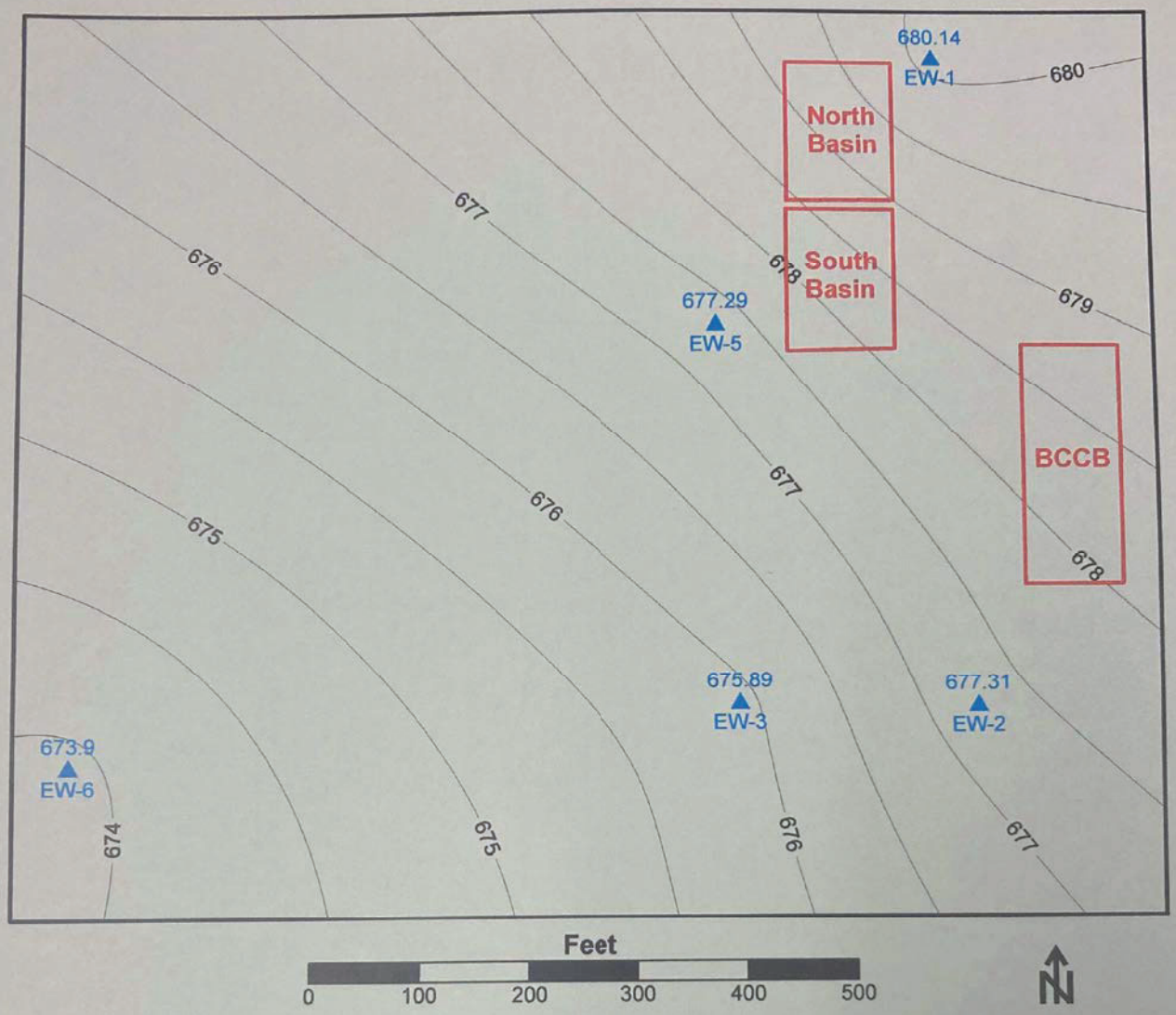


Figure 4

Groundwater Gradient -- 9/9/11
Etiwanda Generating Station



Contour Interval = 0.5 foot

▲ Location of Groundwater Monitoring Well
Groundwater Elevation Posted Above

Figure 5

STATE OF CALIFORNIA
ENVIRONMENTAL PROTECTION AGENCY
DEPARTMENT OF TOXIC SUBSTANCES CONTROL

In the Matter of:	Docket No. HWCA-FY20/21-013
Southern California Edison Company - Etiwanda Generating Station	Agreement for Facility-Initiated Corrective Action
Proponent:	Health and Safety Code Section 25187
BTC III Etiwanda Commerce Center LP 518 Seventeenth Street, 17th Floor Denver, CO 80202	

The California Department of Toxic Substances Control (DTSC) and BTC III Etiwanda Commerce Center LP, a Delaware limited partnership (Proponent) enter into this Agreement for Facility-Initiated Corrective Action (Agreement) and agree as follows:

1. Facility. The property which is the subject of this Agreement is located at 8996 Etiwanda Avenue, Rancho Cucamonga, San Bernardino County, California 91739 (Facility). The approximately 62-acre Facility was most recently owned by GenOn California South, LP and was purchased by BTC III Rancho Cucamonga Logistics Center LP on December 29, 2020. The Site is bounded by railroad tracks and industrial properties, CMC Steel California and Central Transport to the north, Etiwanda Avenue to the east, undeveloped vacant land to the west, a Southern California Edison (SCE) switch yard, and property owned by Inland Empire Utilities Authority to the south. A Facility location map is attached as Exhibit A (Figures 1 and 2).

The Facility was formerly owned and operated by SCE and known as the Southern California Edison Company - Etiwanda Generating Station (EGS). In 1996, SCE implemented a water quality monitoring program in response to a final judgment pursuant to a Stipulation from the Superior Court of California, Los Angeles County, Number 121219, dated February 1, 1995. The Stipulation alleged that SCE had stored hazardous wastes in non-permitted wastewater retention basins at several of its electrical generating stations in Southern California, including EGS. SCE agreed to clean close the basins according to Chapter 15 of Title 22, CCR and investigate the remainder of the EGS Facility under corrective action. The retention basins were closed by SCE with DTSC oversight and approval by 2011; as of January 2020, SCE was preparing a RCRA Facility Investigation (RFI) Workplan for review and approval by DTSC. It is expected that in 2020, SCE will implement the RFI Workplan and complete the RFI Report, which is its sole responsibility. Industrial redevelopment activities by Proponent will follow once the RFI Report is finalized and approved by DTSC.

This Agreement applies to the Facility and any off-site area to which hazardous waste or hazardous constituents have or may have migrated from the Facility that are unrelated to the work to be performed by SCE as provided above.

2. Jurisdiction. This Agreement is entered into by DTSC and Proponent pursuant to Health and Safety Code section 25187 which authorizes DTSC to require corrective action to address a release or threatened release of any hazardous waste or hazardous constituent at or from the Facility. Proponent waives any right to request a hearing on this Agreement.

3. Purpose. The purpose of this Agreement is for Proponent to conduct corrective action to address a release or threatened release of any hazardous waste or hazardous constituent at or from the Facility under the oversight of DTSC. The purpose of this Agreement is also for DTSC to obtain reimbursement from Proponent for DTSC's oversight costs incurred pursuant to this Agreement.

4. Owner and/or Operator. The Facility is currently closed and is owned by BTC III Etiwanda Commerce Center LP, which purchased the Facility in December 2020 from GenOn California South, LP. SCE, which was the original owner/operator of the Facility, is presently engaged with DTSC to complete certain environmental investigations under corrective action, which obligations shall remain the sole responsibility of SCE.

5. Hazardous Waste and Hazardous Constituents. Based on the information available to DTSC and Proponent, the Facility is or may be contaminated with hazardous waste and hazardous constituents, including but not limited to Total Petroleum Hydrocarbons (TPHs), Volatile Organic Compounds (VOCs), and arsenic.

6. Scope of Work and DTSC Oversight. DTSC shall review and provide Proponent with written comments on all Proponent's deliverables related to the removal and offsite disposal of soil contaminated with Facility-related constituents of concern, and other documents and communications related to the project. If necessary, DTSC shall provide oversight of field activities, including sampling and remedial activities, and interaction with stakeholders and the community, as appropriate. Proponent will or has provided information that demonstrates that all work was performed in accordance with applicable local, state and federal statutes, regulations, ordinances, rules and guidance documents, including the South Coast Air Quality Management District and applicable waste discharge requirements issued by the State Water Resources Control Board or a California regional water quality control board.

7. Additional Activities. DTSC and Proponent may amend this Agreement to include additional activities in accordance with Paragraph 17 of this Agreement. If DTSC expects to incur additional oversight costs for these additional activities, it will provide an estimate of the additional oversight costs to Proponent.

8. Endangerment During Implementation.

8.1. Proponent shall notify DTSC's Project Manager immediately upon learning of any condition that may pose an immediate threat to public health or safety or the environment. Within seven days of the onset of such a condition, Proponent shall furnish a report to DTSC, signed by Proponent's Project Manager, setting forth the conditions and events that occurred and the measures taken in response thereto.

8.2. In the event DTSC determines that any activity (whether or not pursued in compliance with this Agreement) may pose an imminent or substantial endangerment to the health or safety of people at the Facility or in the surrounding area or to the environment, DTSC may order Proponent to stop further implementation of this Agreement for such period of time as may be needed to abate the endangerment. DTSC may request that Proponent implement interim measures to address any immediate threat or imminent or substantial endangerment.

9. Access. Proponent shall provide, and/or obtain access to the Facility and take all reasonable efforts to obtain access to offsite areas to which access is necessary to implement the Agreement. Such access shall be provided to DTSC's employees, contractors, and consultants at all reasonable times. Nothing in this paragraph is intended or shall be construed to limit in any way the right of entry or inspection that DTSC or any other agency may otherwise have by operation of law.

10. Sampling, Data and Document Availability. When requested by DTSC, Proponent shall make available for DTSC's inspection, and shall provide copies of, all data and information concerning contamination at or from the Facility, including technical records and contractual documents, sampling and monitoring information and photographs and maps, whether or not such data and information was developed pursuant to this Agreement. For all final reports, Proponent shall submit one hard (paper) copy and one electronic copy with all applicable signatures and certification stamps as a text-readable Portable Document Formatted (pdf) file Adobe Acrobat or Microsoft Word formatted file.

11. Record Preservation. Proponent shall retain, during the implementation of this Agreement and for a minimum of six years after its termination, all data, reports, and other documents that relate to the performance of this Agreement. If DTSC requests that some or all of these documents be preserved for a longer period of time, Proponent shall comply with the request, deliver the documents to DTSC, or permit DTSC to copy the documents at Proponent's expense prior to destruction.

12. Notification of Field Activities. Proponent shall inform DTSC at least seven days in advance of all field activities pursuant to this Agreement and shall allow DTSC and its authorized representatives to take duplicates of any samples collected by Proponent pursuant to this Agreement.

13. Project Managers. Within 14 days of the effective date of this Agreement, DTSC and Proponent shall each designate a Project Manager and shall notify each

other in writing of the Project Manager selected. Each Project Manager shall be responsible for overseeing the implementation of this Agreement and for designating a person to act in his/her absence. All communications between DTSC and Proponent, and all notices, documents and correspondence concerning the activities performed pursuant to this Agreement shall be directed through the Project Managers. Each party may change its Project Manager with at least seven days prior written notice.

14. Proponent's Consultant and Contractor. All work performed pursuant to this Agreement shall be under the direction and supervision of a professional engineer or professional geologist, licensed in California, with expertise in hazardous waste site cleanup. Proponent's Project Manager, contractor or consultant shall have the technical expertise sufficient to fulfill his or her responsibilities. Within 14 days of the effective date of this Agreement, Proponent shall notify DTSC's Project Manager in writing of the name, title, and qualifications of the professional engineer or professional geologist and of any contractors or consultants and their personnel to be used in carrying out the work under this Agreement in conformance with applicable state law, including but not limited to, Business and Professions Code sections 6735 and 7835.

15. DTSC Review and Approval. All work performed pursuant to this Agreement is subject to DTSC's review and approval. If DTSC determines that any report, plan, schedule or other document submitted for approval pursuant to this Agreement fails to comply with this Agreement or fails to protect public health or safety or the environment, DTSC may (a) return comments to Proponent with recommended changes and a date by which the Proponent must submit to DTSC a revised document incorporating or addressing the recommended changes; or (b) modify the document in consultation with Proponent and approve the document as modified. All DTSC approvals and decisions made regarding submittals and notifications will be communicated to Proponent in writing by DTSC's Branch Chief or his/her designee. No informal advice, guidance, suggestions or comments by DTSC regarding reports, plans, specifications, schedules or any other writings by the Proponent shall be construed to relieve Proponent of the obligation to obtain such written approvals.

16. Payment.

16.1. Proponent agrees to pay (1) all costs incurred by DTSC in association with preparation of this Agreement, and for oversight activities, including review of documents, conducted prior to the effective date of this Agreement, and (2) all costs incurred by DTSC in providing oversight pursuant to this Agreement, including the scope of work described in Exhibit B, associated documents, and oversight of field activities. Costs incurred include interest on unpaid amounts that are billed and outstanding more than 60 days from the date of the invoice. An estimate of DTSC's oversight costs is attached as Exhibit C. It is understood by the parties that Exhibit C is an estimate and cannot be relied upon as the final cost figure. DTSC may provide an updated or revised cost estimate as the work progresses. DTSC will bill Proponent quarterly. Proponent agrees to make payment within 60 days of receipt of DTSC's billing. Such billings will reflect any amounts that have been advanced to DTSC by Proponent.

16.2. In anticipation of oversight activities to be conducted, Proponent shall make an advance payment of $39,510.00 to DTSC no later than 10 days after this Agreement is fully executed (provided that DTSC concurrently herewith provides its W-9). It is expressly understood and agreed that DTSC's receipt of the entire advance payment as provided in this paragraph is a condition precedent to DTSC's obligation to provide oversight, review of or comment on documents. If the advance payment exceeds DTSC's final costs, DTSC will refund the difference within 120 days after the performance of this Agreement is completed.

16.3. All payments made by Proponent pursuant to this Agreement shall be by check payable to the "Department of Toxic Substances Control," and bearing on its face the project code for the Facility (401962) and the docket number of this Agreement. Upon request by Proponent, DTSC may accept payments made by credit cards. Payments by check shall be sent to:

Department of Toxic Substances Control Accounting Office
1001 I Street, 21st Floor
P.O. Box 806
Sacramento, California 95812-0806

A photocopy of the check shall be sent concurrently to DTSC's Project Manager.

16.4. DTSC shall retain all cost records associated with the work performed under this Agreement as may be required by state law. DTSC will make all documents that support DTSC's cost determination available for inspection upon request in accordance with the Public Records Act, Government Code section 6250 et seq.

17. Amendments. This Agreement may be amended in writing by mutual agreement of DTSC and Proponent. Such amendment shall be effective the third business day following the day the last party signing the amendment sends its notification of signing to the other party. The parties may agree to a different effective date.

18. Incorporation of Exhibits, Plans and Reports. All exhibits are incorporated into this Agreement by reference. All plans, schedules and reports that require DTSC's approval and are submitted by Proponent pursuant to this Agreement are incorporated in this Agreement upon DTSC's approval.

19. Reservation of Rights. DTSC reserves all of its statutory and regulatory powers, authorities, rights, and remedies under applicable laws to protect public health or the environment, including the right to recover its costs incurred therefor. Proponent reserves all of its statutory and regulatory rights, defenses and remedies available to Proponent under applicable laws.

20. Non-Admission of Liability. By entering into this Agreement, Proponent does not admit to any finding of fact or conclusion of law set forth in this Agreement or any fault or liability under applicable laws.

30. Termination and Satisfaction. The provisions of this Agreement shall be deemed satisfied upon the execution by both parties of an Acknowledgment and Satisfaction (Acknowledgment). DTSC shall prepare the Acknowledgment for Proponent's signature. The Acknowledgment will specify that Proponent has demonstrated to the satisfaction of the DTSC that the terms of this Agreement have been satisfactorily completed except for Proponent's continuing obligation and agreement to (a) comply with any DTSC-approved Operation and Maintenance Plan; (b) maintain any required financial assurance mechanism; (c) preserve data and records and make them available for DTSC's review; (d) provide access to the Facility and offsite areas for DTSC's oversight activities; and (e) reimburse DTSC for its oversight costs, including costs incurred in overseeing the implementation of the final remedy, any required operation and maintenance activities, and any required Land Use Covenant related activities.

_____ Date: _____

Haissam Y. Salloum, P.E.
Branch Chief
Site Mitigation and Restoration Program -
Chatsworth Department of Toxic
Substances Control

BTC III ETIWANDA COMMERCE CENTER LP,
a Delaware limited partnership

By: BTC III Etiwanda Commerce Center GP LLC, a Delaware limited liability company
its General Partner

By: Build-To-Core Industrial Partnership III LLC,
a Delaware limited liability company,
its Sole Member

By: BCG BTC III Managing Member LLC,
a Delaware limited liability company,
its Investment Managing Member

By: _____
Name: Chris Sanford
Title: SVP of Development

Date: _____

CALIFORNIA ALL-PURPOSE ACKNOWLEDGMENT **CIVIL CODE § 1189**

A notary public or other officer completing this certificate verifies only the identity of the individual who signed the document to which this certificate is attached, and not the truthfulness, accuracy, or validity of that document.

State of California)
County of Orange)

On April 28, 2021 before me, Julie L. Dennis, Notary Public,
Date *Here Insert Name and Title of the Officer*

personally appeared Chris Sanford,
Name(s) of Signer(s)

who proved to me on the basis of satisfactory evidence to be the person(s) whose name(s) is/~~are~~ subscribed to the within instrument and acknowledged to me that he/~~she/they~~ executed the same in his/~~her/their~~ authorized capacity(~~ies~~), and that by his/~~her/their~~ signature(~~s~~) on the instrument the person(~~s~~), or the entity upon behalf of which the person(~~s~~) acted, executed the instrument.

I certify under PENALTY OF PERJURY under the laws of the State of California that the foregoing paragraph is true and correct.

WITNESS my hand and official seal.

JULIE L. DENNIS
Notary Public - California
Orange County
Commission # 2341653
My Comm. Expires Jan 16, 2025

Signature Julie L. Dennis
Signature of Notary Public

Place Notary Seal Above

OPTIONAL

Though this section is optional, completing this information can deter alteration of the document or fraudulent reattachment of this form to an unintended document.

Description of Attached Document

Title or Type of Document: _____ Document Date: _____

Number of Pages: _____ Signer(s) Other Than Named Above: _____

Capacity(ies) Claimed by Signer(s)

Signer's Name: _____	Signer's Name: _____
☐ Corporate Officer — Title(s): _____	☐ Corporate Officer — Title(s): _____
☐ Partner — ☐ Limited ☐ General	☐ Partner — ☐ Limited ☐ General
☐ Individual ☐ Attorney in Fact	☐ Individual ☐ Attorney in Fact
☐ Trustee ☐ Guardian or Conservator	☐ Trustee ☐ Guardian or Conservator
☐ Other: _____	☐ Other: _____
Signer Is Representing: _____	Signer Is Representing: _____

©2014 National Notary Association • www.NationalNotary.org • 1-800-US NOTARY (1-800-876-6827) Item #5907

EXHIBIT B

SCOPE OF WORK

Task 1 Scoping Meeting

Scoping meetings are required for all voluntary projects where investigation or cleanup is an anticipated aspect of the scope of work; these are conducted shortly after the agreement has been executed, or depending on specific circumstances, may be held during the agreement-negotiation period. During the scoping meeting, potential issues, concerns, opportunities to optimize and expedite the investigation (which includes assessment/evaluation activities not requiring field sampling) and cleanup process, as applicable, and end-points/exit criteria will be discussed.

An abbreviated version of the scoping meeting is recommended prior to submittal of work plans, reports and cleanup plans to ensure that both the Proponent and DTSC are moving forward with clear and well-defined expectations.

Task 2 Soil Management Plan (SMP) Review

Proponent will submit an SMP to be used during demolition and development activities at the Facility to DTSC for review and approval. DTSC will provide comments, if any, and approval of the SMP once the plan is finalized.

The SMP will include an Ambient Air Monitoring Plan and a Site-Specific Health and Safety Plan for DTSC's review as well.

Task 3 Human Health Screening Evaluation (HHSE)

Proponent will conduct a risk evaluation consistent with U.S. EPA Risk Assessment Guidance for Superfund and the most current version of the applicable DTSC guidance documents. This evaluation must identify chemicals of concern and potential routes of exposure; characterize the potential risk and/or non-cancer hazard; evaluate potential threats to environmental receptors; consider existing and contemplate uses; and identify cleanup goals.

Task 4 Limited Excavation and Off-Site Disposal of Arsenic Impacted Soils

During demolition activities, Proponent will implement a limited excavation of arsenic impacted soils previously identified during Facility investigations under DTSC oversight. The limited excavation scope and cleanup goals will be reviewed and approved by DTSC before implementation.

Task 5 Public Notice of RCRA Closure

After the RFI is completed by SCE, Proponent will work with DTSC to conduct appropriate public participation activities related to RCRA closure. Proponent shall work cooperatively with DTSC to ensure that the affected and interested public and community are informed of DTSC's decision-making process.

STATE OF CALIFORNIA
ENVIRONMENTAL PROTECTION AGENCY
DEPARTMENT OF TOXIC SUBSTANCES CONTROL

In the Matter of: Inland Empire Utilities Agency IEUA West Reservoir Proponent: Mr. Warren Green Inland Empire Utilities Agency 6075 Kimball Avenue, Building A Chino, California 91708	Docket No. HWCA-FY20/21-019 Agreement for Facility-Initiated Corrective Action Health and Safety Code Section 25187

The California Department of Toxic Substances Control (DTSC) and Inland Empire Utilities Agency (Proponent) enter into this Agreement for Facility-Initiated Corrective Action (Agreement) and agree as follows:

1. Facility. The property which is the subject of this Agreement is located at the former Southern California Edison (SCE) - Etiwanda Generating Station (EGS) and has no assigned independent address. The Assessor's Parcel Number is 0229-283-83-0000.
The property was formerly part of the SCE EGS, which has a street address of 8998 Etiwanda Avenue in Rancho Cucamonga, San Bernardino County, California 91739 where hazardous waste was managed. The 8.31-acre portion of the EGS that comprises the Site is known as the IEUA West Reservoir (Facility). The Facility is bounded by the NRG Etiwanda Generating Station to the north and east, the SCE Etiwanda Substation to the east and south, and the SCE Ranch Vista Substation to the south. A Facility location map is attached as Exhibit A (Figures 1 through 3). This Agreement applies to the Facility and any off-site area to which hazardous waste or hazardous constituents have or may have migrated from the Facility.

2. Jurisdiction. This Agreement is entered into by DTSC and Proponent pursuant to Health and Safety Code section 25187 which authorizes DTSC to require corrective action to address a release or threatened release of any hazardous waste or hazardous constituent at or from the Facility. Proponent waives any right to request a hearing on this Agreement.

3. Purpose. The purpose of this Agreement is for Proponent to conduct corrective action to address a release or threatened release of any hazardous waste or hazardous constituent at or from the Facility under the oversight of DTSC. The purpose of this Agreement is also for DTSC to obtain reimbursement from Proponent for DTSC's

oversight costs incurred pursuant to this Agreement.

4. Owner and/or Operator. The Facility is owned by Inland Empire Utilities Agency (IEUA) and was formerly owned and operated by SCE - EGS.

5. Hazardous Waste and Hazardous Constituents. Based on the information available to DTSC and Proponent, the Facility is or may be contaminated with hazardous waste and hazardous constituents, including but not limited to Total Petroleum Hydrocarbons (TPHs), Polycyclic Aromatic Hydrocarbons (PAHs), benzo(a)pyrene and dibenz(a,h)anthracene.

6. Scope of Work and DTSC Oversight. DTSC shall review and provide Proponent with written comments on all Proponents' deliverables related to the removal and offsite disposal of soil contaminated with Facility-related constituents of concern, and other documents communications related to the project. If necessary, DTSC shall provide oversight of field activities, including sampling and remedial activities, and interaction with stakeholders and the community, as appropriate. Proponent will or has provided information that demonstrate that all work was performed in accordance with applicable local, state and federal statutes, regulations, ordinances, rules and guidance documents, including the South Coast Air Quality Management District and applicable waste discharge requirements issued by the State Water Resources Control Board or a California regional water quality control board.

7. Additional Activities. DTSC and Proponent may amend this Agreement to include additional activities in accordance with Paragraph 17 of this Agreement. If DTSC expects to incur additional oversight costs for these additional activities, it will provide an estimate of the additional oversight costs to Proponent.

8. Endangerment During Implementation.

8.1. Proponent shall notify DTSC's Project Manager immediately upon learning of any condition that may pose an immediate threat to public health or safety or the environment. Within seven days of the onset of such a condition, Proponent shall furnish a report to DTSC, signed by Proponent's Project Manager, setting forth the conditions and events that occurred and the measures taken in response thereto.

8.2. In the event DTSC determines that any activity (whether or not pursued in compliance with this Agreement) may pose an imminent or substantial endangerment to the health or safety of people at the Facility or in the surrounding area or to the environment, DTSC may order Proponent to stop further implementation of this Agreement for such period of time as may be needed to abate the endangerment. DTSC may request that Proponent implement interim measures to address any immediate threat or imminent or substantial endangerment.

9. Access. Proponent shall provide, and/or obtain access to the Facility and take all reasonable efforts to obtain access to offsite areas to which access is necessary

to implement the Agreement. Such access shall be provided to DTSC's employees, contractors, and consultants at all reasonable times. Nothing in this paragraph is intended or shall be construed to limit in any way the right of entry or inspection that DTSC or any other agency may otherwise have by operation of law.

10. Sampling, Data and Document Availability. When requested by DTSC, Proponent shall make available for DTSC's inspection, and shall provide copies of, all data and information concerning contamination at or from the Facility, including technical records and contractual documents, sampling and monitoring information and photographs and maps, whether or not such data and information was developed pursuant to this Agreement. For all final reports, Proponent shall submit one hard (paper) copy and one electronic copy with all applicable signatures and certification stamps as a text-readable Portable Document Formatted (pdf) file Adobe Acrobat or Microsoft Word formatted file.

11. Record Preservation. Proponent shall retain, during the implementation of this Agreement and for a minimum of six years after its termination, all data, reports, and other documents that relate to the performance of this Agreement. If DTSC requests that some or all of these documents be preserved for a longer period of time, Proponent shall comply with the request, deliver the documents to DTSC, or permit DTSC to copy the documents at Proponent's expense prior to destruction.

12. Notification of Field Activities. Proponent shall inform DTSC at least seven days in advance of all field activities pursuant to this Agreement and shall allow DTSC and its authorized representatives to take duplicates of any samples collected by Proponent pursuant to this Agreement.

13. Project Managers. Within 14 days of the effective date of this Agreement, DTSC and Proponent shall each designate a Project Manager and shall notify each other in writing of the Project Manager selected. Each Project Manager shall be responsible for overseeing the implementation of this Agreement and for designating a person to act in his/her absence. All communications between DTSC and Proponent, and all notices, documents and correspondence concerning the activities performed pursuant to this Agreement shall be directed through the Project Managers. Each party may change its Project Manager with at least seven days prior written notice.

14. Proponent's Consultant and Contractor. All work performed pursuant to this Agreement shall be under the direction and supervision of a professional engineer or professional geologist, licensed in California, with expertise in hazardous waste site cleanup. Proponent's Project Manager, contractor or consultant shall have the technical expertise sufficient to fulfill his or her responsibilities. Within 14 days of the effective date of this Agreement, Proponent shall notify DTSC's Project Manager in writing of the name, title, and qualifications of the professional engineer or professional geologist and of any contractors or consultants and their personnel to be used in carrying out the work under this Agreement in conformance with applicable state law, including but not limited to, Business and Professions Code sections 6735 and 7835.

15. DTSC Review and Approval. All work performed pursuant to this Agreement is subject to DTSC's review and approval. If DTSC determines that any report, plan, schedule or other document submitted for approval pursuant to this Agreement fails to comply with this Agreement or fails to protect public health or safety or the environment, DTSC may (a) return comments to Proponent with recommended changes and a date by which the Proponent must submit to DTSC a revised document incorporating or addressing the recommended changes; or (b) modify the document in consultation with Proponent and approve the document as modified. All DTSC approvals and decisions made regarding submittals and notifications will be communicated to Proponent in writing by DTSC's Branch Chief or his/her designee. No informal advice, guidance, suggestions or comments by DTSC regarding reports, plans, specifications, schedules or any other writings by the Proponent shall be construed to relieve Proponent of the obligation to obtain such written approvals.

16. Payment.

16.1. Proponent agrees to pay (1) all costs incurred by DTSC in association with preparation of this Agreement, and for oversight activities, including review of documents, conducted prior to the effective date of this Agreement, and (2) all costs incurred by DTSC in providing oversight pursuant to this Agreement, including review of the documents described in Exhibit B and associated documents, and oversight of field activities. Costs incurred include interest on unpaid amounts that are billed and outstanding more than 60 days from the date of the invoice. An estimate of DTSC's oversight costs is attached as Exhibit C. It is understood by the parties that Exhibit C is an estimate and cannot be relied upon as the final cost figure. DTSC may provide an updated or revised cost estimate as the work progresses. DTSC will bill Proponent quarterly. Proponent agrees to make payment within 60 days of receipt of DTSC's billing. Such billings will reflect any amounts that have been advanced to DTSC by Proponent.

16.2. In anticipation of oversight activities to be conducted, Proponent shall make an advance payment of $29,106.00 to DTSC no later than 10 days after this Agreement is fully executed. It is expressly understood and agreed that DTSC's receipt of the entire advance payment as provided in this paragraph is a condition precedent to DTSC's obligation to provide oversight, review of or comment on documents. If the advance payment exceeds DTSC's final costs, DTSC will refund the difference within 120 days after the performance of this Agreement is completed.

16.3. All payments made by Proponent pursuant to this Agreement shall be by check payable to the "Department of Toxic Substances Control" and bearing on its face the project code for the Facility (401967) and the docket number of this Agreement. Upon request by Proponent, DTSC may accept payments made by credit cards. Payments by check shall be sent to:

Department of Toxic Substances Control
Accounting Office
1001 I Street, 21st Floor
P.O. Box 806
Sacramento, California 95812-0806

A photocopy of the check shall be sent concurrently to DTSC's Project Manager

16.4. DTSC shall retain all cost records associated with the work performed under this Agreement as may be required by state law. DTSC will make all documents that support DTSC's cost determination available for inspection upon request in accordance with the Public Records Act, Government Code section 6250 et seq.

17. Amendments. This Agreement may be amended in writing by mutual agreement of DTSC and Proponent. Such amendment shall be effective the third business day following the day the last party signing the amendment sends its notification of signing to the other party. The parties may agree to a different effective date.

18. Incorporation of Exhibits, Plans and Reports. All exhibits are incorporated into this Agreement by reference. All plans, schedules and reports that require DTSC's approval and are submitted by Proponent pursuant to this Agreement are incorporated in this Agreement upon DTSC's approval.

19. Reservation of Rights. DTSC reserves all of its statutory and regulatory powers, authorities, rights, and remedies under applicable laws to protect public health or the environment, including the right to recover its costs incurred therefor. Proponent reserves all of its statutory and regulatory rights, defenses and remedies available to Proponent under applicable laws.

20. Non-Admission of Liability. By entering into this Agreement, Proponent does not admit to any finding of fact or conclusion of law set forth in this Agreement or any fault or liability under applicable laws.

21. Proponent Liabilities. Nothing in this Agreement shall constitute or be considered a covenant not to sue, release or satisfaction from liability by DTSC for any condition or claim, including but not limited to, claims arising from Proponent's past, current, or future operations or ownership of the Facility.

22. Government Liabilities. The State of California or DTSC shall not be liable for any injuries or damages to persons or property resulting from acts or omissions by Proponent or by related parties in carrying out activities pursuant to this Agreement, nor shall the State of California or DTSC be held as a party to any contract entered into by Proponent or its agents in carrying out the activities pursuant to this Agreement.

23. Third Party Actions. In the event that Proponent is a party to any suit or

claim for damages or contribution relating to the Facility to which DTSC is not a party, Proponent shall notify DTSC in writing within 10 days after service of the complaint in the third-party action. Proponent shall pay all costs incurred by DTSC relating to such third-party actions, including but not limited to responding to subpoenas.

24. California Law. This Agreement shall be governed, performed and interpreted under the laws of the State of California.

25. Severability. If any portion of this Agreement is ultimately determined not to be enforceable, that portion will be severed from the Agreement and the severability shall not affect the enforceability of the remaining provisions of the Agreement.

26. Parties Bound. This Agreement applies to and is binding, jointly and severally, upon Proponent and its agents, receivers, trustees, successors and assignees, and upon DTSC and any successor agency that may have responsibility for and jurisdiction over the subject matter of this Agreement. Proponent shall ensure that its contractors, subcontractors and agents receive a copy of this Agreement and comply with this Agreement.

27. Effective Date. The effective date of this Agreement is the date of signature by DTSC's authorized representative after this Agreement is first signed by Proponent's authorized representative. Except as otherwise specified, "days" means calendar days.

28. Representative Authority. Each undersigned representative of the party to this Agreement certifies that she or he is fully authorized to enter into the terms and conditions of this Agreement and to execute and legally bind the party to this Agreement.

29. Counterparts. This Agreement may be executed and delivered in any number of counterparts, each of which when executed and delivered shall be deemed to be an original, but such counterparts shall together constitute one and the same document.

30. Termination and Satisfaction. The provisions of this Agreement shall be deemed satisfied upon the execution by both parties of an Acknowledgment and Satisfaction (Acknowledgment). DTSC shall prepare the Acknowledgment for Proponent's signature. The Acknowledgment will specify that Proponent has demonstrated to the satisfaction of the DTSC that the terms of this Agreement have been satisfactorily completed except for Proponent's continuing obligation and agreement to (a) comply with any DTSC-approved Operation and Maintenance Plan; (b) maintain any required financial assurance mechanism; (c) preserve data and records and make them available for DTSC's review; (d) provide access to the Facility and offsite areas for DTSC's oversight activities; and (e) reimburse DTSC for its oversight costs, including costs incurred in overseeing the implementation of the final remedy, any required operation and maintenance activities, and any required Land Use Covenant related activities.

Date: 06/08/2021

Haissam Y. Salloum, P.E.
Branch Chief
Site Mitigation and Restoration Program - Chatsworth
Department of Toxic Substances Control

Date: 6/7/2021

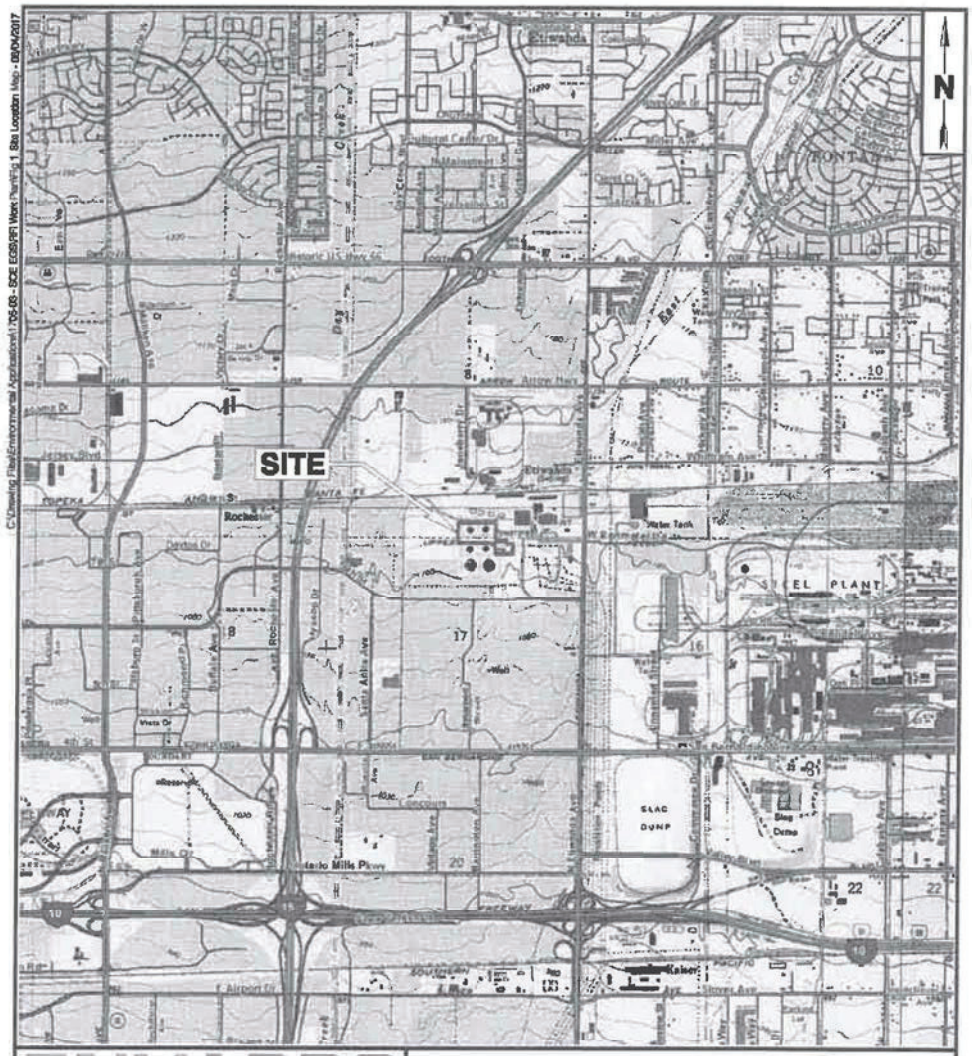
Warren Green
Inland Empire Utilities Agency

EXHIBIT A

SITE LOCATION MAP

Figure 1

DocuSign Envelope ID: 11A97CDC-EE80-4B0A-B466-D92FB5EDC400



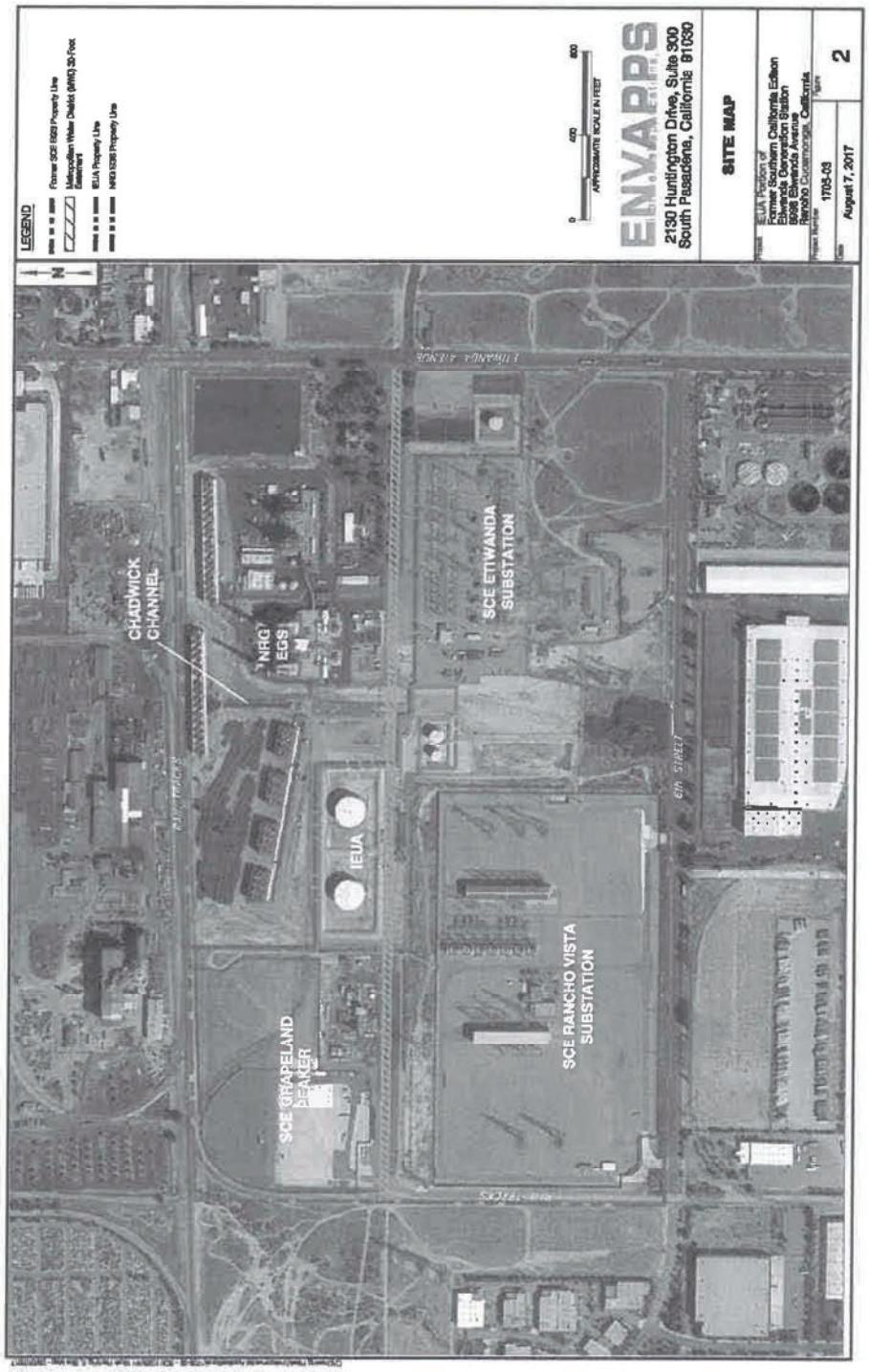
ENVAPPS
environmental applications, inc.
2130 Huntington Drive, Suite 300
South Pasadena, California 91030

0 0.5 1
APPROXIMATE SCALE IN MILES

Map Source:
USGS 7.5 Minute Topographic Quadrangle Map,
Guasti, CA - 1978, Photorevised 1981

Figure 1 — SITE LOCATION MAP	
Project:	IEUA Portion of Former Southern California Edison Etiwanda Generation Station 8998 Etiwanda Avenue Rancho Cucamonga, California
Project# 1705-03	Date: August 4, 2017

Figure 2



DocuSign Envelope ID: 11A97CDC-EE86-4B0A-B466-D92F8C6F1DCA/03

EXHIBIT A
-2-

EXHIBIT B – SCOPE OF WORK

Task 1 Scoping Meeting

Scoping meetings are required for all voluntary projects where investigation or cleanup is an anticipated aspect of the scope of work; these are conducted shortly after the agreement has been executed, or depending on specific circumstances, may be held during the agreement-negotiation period. During the scoping meeting, potential issues, concerns, opportunities to optimize and expedite the investigation (which includes assessment/evaluation activities not requiring field sampling) and cleanup process, as applicable, and end-points/exit criteria will be discussed.

An abbreviated version of the scoping meeting is recommended prior to submittal of work plans, reports and cleanup plans to ensure that both the Proponent and DTSC are moving forward with clear and well-defined expectations.

Task 2 Soil Management Plan (SMP) Review

Proponent will submit an SMP to be used during demolition and development activities at the Facility to DTSC for review and approval. DTSC will provide comments, if any, and approval of the SMP once the plan is finalized.

The SMP will include an Ambient Air Monitoring Plan and a Site-Specific Health and Safety Plan for DTSC's review as well.

Task 3 Human Health Screening Evaluation (HHSE)

Proponent will conduct a risk evaluation consistent with U.S. EPA Risk Assessment Guidance for Superfund and the most current version of the applicable DTSC guidance documents. This evaluation must identify chemicals of concern and potential routes of exposure; characterize the potential risk and/or non-cancer hazard; evaluate potential threats to environmental receptors; consider existing and contemplate uses; and identify cleanup goals.

Task 4 Limited Sampling and Off-Site Disposal of Impacted Soils

During demolition activities, Proponent will implement a limited sampling of impacted soils previously identified during Facility investigations under DTSC oversight. The limited sampling and cleanup goals will be reviewed and approved by DTSC before implementation.

Task 5 Public Notice of RCRA Termination of Corrective Action

After the RFI is completed by SCE, Proponent will work with DTSC to conduct appropriate public participation activities related to RCRA Termination of Corrective Action. Proponent shall work cooperatively with DTSC to ensure that the affected and interested public and community are informed of DTSC's decision-making process.

EXHIBIT C – ESTIMATE OF OVERSIGHT COSTS

COST ESTIMATE WORKSHEET
Type of Agreement: Facility-Initiated Corrective Action
Date: June 1, 2021
Site Name: IEUA West Basin
Site Code: 401967

DTSC Project Team	VCP Coord.	Project Management	Supervision	Toxicology	Geology	Industrial Hygienist	HQ Engineering	Public Participation	HQ CEQA	OEJTA	Legal	Project Assistants	
Classification (personnel)	Sr. HSE	HSE	SHSE I	Staff Toxicologist	Engineering Geologist			PPS	AEP				
TASK: (enter # hrs.)													
Agreement Prep./Negotiation		16	2										
Project Management		24	2										
Site Visit					4								
Review and comment on existing data		12	2	16	16								
Public Participation								16					
Implement Cleanup Plan		12	2		8								
Completion Report		8	2	16	24								
Termination-Satisfaction		8	2					16					
Total No. Hours/Class	0	80	12	32	52	0	0	32	0	0	0	0	0
Hourly Rate/Class	$294	$265	$328	$255	$266	$0	$0	$181	$0	$0	$0	$0	$0
Cost/Class	$0	$21,200	$3,936	$8,160	$13,832	$0	$0	$5,792	$0	$0	$0	$0	$0
Subtotal	$52,920												
Contingency (10%)	$5,292												
Grand Total Cost	**$58,212**												
Advance Payment	**$29,106**												

SOUTHERN CALIFORNIA EDISON®

An *EDISON INTERNATIONAL®* Company

December 6, 2021
Via E-mail
JRJ20211206-1

Mr. Steve Rounds, P.E.
Hazardous Substances Engineer
Department of Toxic Substances Control
9211 Oakdale Street
Chatsworth, California 91311

SUBJECT: Technical Memorandum: Additional RFI Soil Vapor Sampling, Etiwanda Generating Station,
Rancho Cucamonga, California
Southern California Edison

Dear Mr. Rounds:

A bookmarked electronic copy of the Technical Memorandum (Tech Memo): Additional RFI Soil Vapor Sampling for the Etiwanda Generating Station has been uploaded to EnviroStor for review. Your expedited review would be greatly appreciated.

If you have any questions regarding this submittal, please contact me at 626.756.6403.

Respectfully yours,



John R. Johnsen
Senior Environmental Science Advisor
Operational Services, Environmental
Services Department

Distribution List:

Steve Rounds - DTSC Chatsworth Office (electronic copy by email & uploaded to EnviroStor)
Jose Marcos - DTSC Cypress Office (electronic copy by email & uploaded to EnviroStor)
C.Y. Jeng – DTSC Cypress Office (electronic copy by email & uploaded to EnviroStor)
Maurico Escobar – Roux Inc. (electronic copy by email)
Mathew Nelson – Roux Inc. (electronic copy by email)
Lee Paprocki – Northgate (electronic copy by email)
Rob Lovdahl – Northgate (electronic copy by email)
John Johnsen – SCE (electronic copy by email & uploaded to SCE Share Drive)

northgate
environmental management, inc.

TECHNICAL MEMORANDUM

From: Rob Lovdahl, PG & Lee Paprocki, PG, CHg
Northgate Environmental Management
92 Argonaut, Suite 100
Aliso Viejo, CA 92656

Date: December 6, 2021

To: Steve Rounds, P.E.
Hazardous Substances Engineer
Site Mitigation and Restoration Program
Department of Toxic Substances Control
9211 Oakdale Avenue, Chatsworth, CA 91311

RE: Additional RFI Soil Vapor Sampling
Etiwanda Generating Station (EPA ID No. CAD 079 548 574)
8996 Etiwanda Avenue
Rancho Cucamonga, CA 91739

On behalf of Southern California Edison (SCE), Northgate Environmental Management, Inc. (Northgate) has prepared this Additional Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) Soil Vapor Sampling Technical Memorandum (Tech Memo) describing the procedures to collect and analyze representative soil vapor samples at the former Etiwanda Generating Station (EGS), located at 8996 Etiwanda Avenue in Rancho Cucamonga, California (the Site; see Figures 1 and 2).

1.0 INTRODUCTION

Environmental investigation activities associated with the Department of Toxic Substances Control (DTSC)-approved Revised Final RFI Work Plan have been underway since August 23, 2021 (Northgate, 2021[1]; DTSC, 2021[2]). After completion of the original RFI Work Plan scope, several additional sampling mobilizations have been completed between September and November 2021 to assist in the lateral and vertical delineation of chemicals of potential concern (COPCs) identified in soil and soil vapor samples at the various Site Features targeted for investigation (Figure 2). Soil vapor results collected northwest of the Maintenance Shop (Feature No. 17) and south of the Unit 3 Cooling Tower (Feature No. 19) indicate additional soil

[1] Northgate, 2021. *Revised Final RCRA Facility Investigation Work Plan,* Etiwanda Generating Station, Rancho Cucamonga, California. July 20, 2021.
[2] DTSC, 2021. *Approval of Revised Final RFI Work Plan,* SCE Company Etiwanda Generating Station, 8996 Etiwanda Avenue, Rancho Cucamonga. September 29, 2021.

vapor sampling is warranted to vertically delineate volatile organic compounds (VOCs) identified at depths of up to 100 feet below ground surface (bgs).

For additional information related to Site history and a summary of environmental investigation efforts, please refer to the Revised Final RFI Work Plan (Northgate, 2021).

1.1 Objective

Based on a review of RFI sample results received in September 2021, several additional rounds of soil vapor probe installation and sampling have been conducted northwest of the EGS Maintenance Shop, primarily in an effort to delineate the lateral and vertical extent of chloroform concentrations present in the subsurface above 18 micrograms per cubic meter (ug/m^3), the U.S. Environmental Protection Agency (USEPA) regional screening level (RSL) after application of a default attenuation factor 0.03 (commercial/industrial land use scenario). Lateral delineation of chloroform concentrations above the RSL has generally been accomplished at 5 feet bgs (Figure 3). The highest concentrations of chloroform, bromodichloromethane, carbon tetrachloride, dibromochloromethane (chemicals commonly associated as disinfection byproducts and linked to the use of bleach or sodium hypochlorite[3]) have been identified at sampling location MS-23 or step-down location MS-23B, just south of the former sodium hypochlorite aboveground storage tank (AST; Table 1).

Soil vapor samples collected on November 8, 2021, from sample location MS-23B indicated a significant increase in VOC concentrations between 60 and 100 feet bgs at MS-23B (Figure 3; Table 1). The primary objective of this Tech Memo is to propose additional step-down soil vapor samples to assess the vertical extent of the soil vapor plume (primarily chloroform) identified in the vicinity of the former sodium hypochlorite AST and to assess if soil vapor concentrations potentially pose a risk to groundwater below the Site (groundwater previously observed at approximately 425 feet bgs at the Site[4])

2.0 PROPOSED SAMPLING ACTIVITIES

2.1 Field Preparation

A step-down sampling location identified as MS-23C will be marked/staked in the vicinity of previous soil borings MS-23 and MS-23B (Figure 3). Due to the presence of underground utility

---

[3] Odabasi, M., 2008. *Halogenated Volatile Organic Compounds from the Use of Chlorine-Bleach-Containing Household Products*, Environ. Sci. Technol. 2008, 42, 5, 1445-1451. Published February 1, 2008.
[4] Hamilton, P., 2012. *Final Annual Groundwater Monitoring Report, Groundwater Detection Monitoring Program with Fourth Quarter 2011 Sampling Data*, Etiwanda Generating Station 8996 Etiwanda Avenue Rancho Cucamonga, California 91739 For Southern California Edison. February 15, 2012.

lines, active demolition operations, and construction debris staging in this area, the final location of MS-23C may be adjusted based on drill rig access and/or safety concerns. Underground Service Alert of Southern California (USA) will be notified at least 48 hours prior to any subsurface disturbance. A well permit application will be submitted to the San Bernardino County Department of Public Health, Environmental Health Services because the proposed soil boring will extend greater than 20 feet below ground surface but is not anticipated to encounter groundwater.

2.2 Drilling and Soil Vapor Probe Installation

A hand auger will be utilized to clear the upper 5 feet for any underground utilities or obstructions before using mechanized drilling equipment is used. A CME-95 hollow-stem auger drill rig will be used to advance the soil boring to a maximum depth of approximately 250 feet bgs. Because soil has previously been logged down to 100 feet bgs at MS-23B, soil samples will be collected by California-modified split spoon sampler at 20-foot intervals between 5 and 100 feet bgs. Starting at 100 feet bgs, soil will be recovered, logged according to the Unified Soil Classification System (USCS), and screened for VOCs using a handheld photoionization detector (PID) calibrated to 100 parts per million (ppm) isopropanol.

Upon reaching total depth, soil vapor probes will be constructed in general accordance with the construction details presented in Figure 4. Final soil vapor probe depths will be subject to a variety of factors including lithology, PID readings, and drill rig refusal (if encountered). If a significant interval of clay is encountered, soil vapor probes will not be installed within the clay interval, but rather above and below the clay to assess the clay's potential to impede soil vapor migration. Soil samples will be collected at the same depths as selected soil vapor probe installation intervals. Soil samples will be preserved in accordance with USEPA Method 5035 and stored in an ice-filled cooler. Soil samples will be delivered to Eurofins Calscience in Garden Grove, California, under standard chain-of-custody protocol. Soil samples will be analyzed for VOCs by EPA Method 8260B, if co-located soil vapor samples identify concentrations above commercial/industrial screening levels, see the Revised Final RFI Work Plan for discussion of pertinent regulatory screening levels.

Quality assurance/quality control (QA/QC) samples will be collected in accordance with the Revised Final RFI Work Plan.

2.3 Soil Vapor Sampling

Soil vapor probes will be allowed to equilibrate for a minimum of 48 hours prior to purging and sampling. Purging and sampling of soil vapor probes will be conducted in accordance with the Revised Final RFI Work Plan and analyzed by EPA Method 8260B. Temporary soil vapor probes will be left in place for potential follow-up sampling events, if warranted.

3.0 SCHEDULE

Pending the receipt of an approved well permit and access to the proposed drilling and sampling location, drilling and soil vapor sampling activities associated with this Tech Memo are tentatively scheduled to take place December 20 to December 22, 2021, and December 30, 2021, respectively. If the field schedule requires modification, DTSC will be notified of the change in schedule immediately.

4.0 CLOSING

Results from the additional RFI sampling will be included as part of the RFI Report for the Site.

If you should have any questions regarding the proposed scope of work or require additional information, please do not hesitate to contact us.

This Technical Memorandum was prepared by:

Lee Paprocki

Lee Paprocki, PG, CHg
Associate Hydrogeologist
Northgate Environmental Management, Inc.
lee.paprocki@ngem.com
(714) 336-3843

Rob Lovdahl, PG
Senior Geologist
Northgate Environmental Management, Inc.
rob.lovdahl@ngem.com
(949) 716-0050

Attachments:
Table 1 – Soil Vapor Analytical Results – Volatile Organic Compounds
Figure 1 – Geographic Location Map
Figure 2 – Location Map with Adjacent Properties
Figure 3 – Chloroform in Soil Vapor Samples at Maintenance Shop Area
Figure 4 – Soil Vapor Probe Construction Detail

cc:
Jose Marcos, DTSC
CY Jeng, DTSC
John Johnsen, SCE
Mauricio Escobar, Roux, Inc.
Matthew Nelson, Roux, Inc.

TABLES

TABLE 1
Soil Vapor Analytical Results - Volatile Organic Compounds
EPA Method 8260B

Location or Boring ID	Field Sample ID	Sample Depth in feet below ground surface	Sample Date	Units	Duplicate	Benzene	Bromobenzene	Bromodichloromethane	Bromoform	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroform	2-Chlorotoluene	4-Chlorotoluene	Dibromochloromethane	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	Dibromomethane	1,2- Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane (Freon-12)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Freon-113	Hexachlorobutadiene
Area ID #1 - Distillate Tank for Unit 5 Peaker																																								
DT-1	DT-1-5	5	8/31/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	DT-1-5-RERUN	5	9/1/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	DT-1-10	10	8/31/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	**5.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
DT-2	DT-2-5	5	8/31/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	**5.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	DT-2-10	10	8/31/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
DT-3	DT-3-5	5	8/31/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	**7.2**	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	DT-3-10	10	8/31/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
DT-4	DT-4-5	5	8/31/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	DT-4-10	10	8/31/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
Area ID #5 - Fueling Station																																								
F5-1	F5-1-5	5	8/31/21	ug/m3		**0.7**	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	**5.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	F5-1-10	10	8/31/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	**4.2**	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
F5-2	F5-2-5	5	8/31/21	ug/m3		**5.5**	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	**35.1**	<5.0	<4.0
	F5-2-10	10	8/31/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
Area ID #6 - Unit 5 Peaker																																								
P-1	P-1-5	5	8/27/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	**5.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	P-1-10	10	8/27/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	**5.0**	<5.0	<4.0
P-1B	P-1B-20	20	9/3/21	ug/m3		**4.9**	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	**4.4**	<5.0	<4.0
	P-1B-40	40	9/3/21	ug/m3		**2.6**	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	**3.9**	<5.0	<4.0
P-2	P-2-5	5	8/31/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	P-2-10	10	8/31/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	**5.2**	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	P-2-10-REP	10	8/31/21	ug/m3	X	<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
P-3	P-3-5	5	9/3/21	ug/m3		**1.3**	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	P-3-10	10	8/31/21	ug/m3		**1.1**	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
P-4	P-4-5	5	8/31/21	ug/m3		**0.9**	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	P-4-10	10	8/31/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
P-5	P-5-5	5	9/3/21	ug/m3		**1.4**	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	**4.6**	<5.0	<4.0
	P-5-20	20	9/3/21	ug/m3		**6.1**	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	**13.1**	<5.0	<4.0
	P-5-20-REP	20	9/3/21	ug/m3	X	**6.2**	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	**2.3**	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	**13.4**	<5.0	<4.0
P-6	P-6-5	5	9/3/21	ug/m3		**16.4**	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	**12.7**	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	**22.5**	<5.0	<4.0
	P-6-20	20	9/3/21	ug/m3		**1.0**	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	**8.8**	<5.0	<4.0
P-7	P-7-5	5	9/3/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
P-8	P-8-5	5	9/17/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	**4.1**	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	P-8-20	20	9/17/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	**7.4**	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	**5.3**	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
P-9	P-9-5	5	9/17/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	**6.1**	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	P-9-5R	5	10/18/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	**5.9**	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	P-9-20	20	9/17/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	**4.3**	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	**7.7**	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
Area ID #14 - Hazardous Waste Accumulation Area																																								
F14-1	F14-1-5	5	9/1/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	F14-1-10	10	9/1/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
Area ID #15 - Generating 1 & 2																																								
F15-1	F15-1-5	5	8/31/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	**5.4**	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
Area ID #17 - Maintenance Shop																																								
SS-1B	SS-1B-5	5	8/27/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	**7.3**	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	**6.2**	**30.0**	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	SS-1B-10	10	8/27/21	ug/m3		**0.7**	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	**12.6**	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	**7.8**	**163**	<1.0	<1.0	**49.9**	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	**5.6**	<5.0	<4.0
	SS-1B-20	20	9/1/21	ug/m3		**0.8**	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	**9.4**	<2.0	**92.8**	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	**13.9**	**1370**	<1.0	**466**	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	**5.9**	<4.0
MS-10	MS-10-5	5	8/31/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	**3.2**	<2.0	**19.3**	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	**5.7**	**12.2**	<1.0	**14.1**	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	MS-10-10	10	8/31/21	ug/m3		**0.7**	<2.0	**4.5**	<2.0	<5.0	<5.0	<5.0	**10.4**	<1.0	**71.5**	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	**8.0**	**61.0**	<1.0	**105**	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	MS-10-20	20	9/1/21	ug/m3		<0.5	<2.0	**13.5**	<2.0	<5.0	<5.0	<5.0	**22.8**	<2.0	**185**	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	**13.1**	**180**	**8.3**	**285**	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	**6.5**	<4.0

TABLE 1
Soil Vapor Analytical Results - Volatile Organic Compounds
EPA Method 8260B

Location or Boring ID	Field Sample ID	Sample Depth in feet below ground surface	Sample Date	Units	Duplicate	Benzene	Bromobenzene	Bromodichloromethane	Bromoform	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroform	2-Chlorotoluene	4-Chlorotoluene	Dibromochloromethane	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	Dibromomethane	1,2- Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane (Freon-12)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Freon-113	Hexachlorobutadiene
MS-11	MS-11-5	5	8/31/21	ug/m3		2.3	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	1.5	<2.0	11.9	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	6.0	7.6	<1.0	9.3	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<4.0
	MS-11-10	10	8/31/21	ug/m3		1.6	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	8.6	<2.0	80.4	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	8.5	51.4	<1.0	74.8	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<2.0	<5.0	<4.0
	Ms-11-20	20	9/1/21	ug/m3		1.4	<2.0	3.8	<2.0	<5.0	<5.0	<5.0	39.8	<2.0	362	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	17.4	295	17.3	435	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	7.8	<4.0
MS-12	MS-12-5	5	8/31/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	3.8	<2.0	60.5	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	6.8	<1.0	21.2	40.2	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	MS-12-10	10	8/31/21	ug/m3		0.8	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	12.1	<2.0	136	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	11.2	54.7	<1.0	120	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	2.7	<5.0	<4.0
	MS-12-20	20	9/1/21	ug/m3		0.6	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	46.8	<2.0	510	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	21.6	313	9.0	517	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	7.8	<4.0
MS-13	MS-13-5	5	8/31/21	ug/m3		0.7	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	7.6	<2.0	68.2	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	10.6	11.5	<1.0	46.5	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	MS-13-10	10	8/31/21	ug/m3		5.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	9.8	<2.0	114	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	11.0	19.0	<1.0	66.2	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	29.0	<5.0	<4.0
	MS-13-10-REP	10	8/31/21	ug/m3	X	3.8	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	10.2	<2.0	107	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	11.8	19.2	<1.0	61.6	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	25.6	<5.0	<4.0
	MS-13-20	20	9/1/21	ug/m3		1.2	<2.0	2.5	<2.0	<5.0	<5.0	<5.0	51.5	<2.0	640	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	26.2	255	3.4	501	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	3.0	<5.0	<4.0
MS-13B	MS-13B-35	35	9/3/21	ug/m3		2.2	<2.0	2.7	<2.0	<5.0	<5.0	<5.0	51.2	<2.0	632	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	21.6	277	8.9	494	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	2.1	<5.0	<4.0
	MS-13B-50	50	9/3/21	ug/m3		3.8	<2.0	2.2	<2.0	<5.0	<5.0	<5.0	65.6	<2.0	668	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	26.1	343	23.4	555	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	2.6	<5.0	<4.0
MS-14	MS-14-5	5	8/31/21	ug/m3		1.1	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	9.4	<2.0	160	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	13.1	55.6	<1.0	127	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	MS-14-10	10	8/31/21	ug/m3		0.9	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	11.4	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	14.7	74.4	<1.0	157	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	MS-14-20	20	NS	ug/m3		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MS-15	MS-15-5	5	8/31/21	ug/m3		1.1	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	3.6	<2.0	60.3	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	9.1	31.2	<1.0	81.4	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	MS-15-10	10	8/31/21	ug/m3		2.4	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	4.5	<2.0	76.6	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	9.9	52.7	<1.0	111	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	11.4	<5.0	<4.0
	MS-15-20	20	9/1/21	ug/m3		0.6	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	17.2	<2.0	294	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	25.1	318	<1.0	514	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	8.0	<4.0	<4.0
MS-16	Ms-16-5	5	8/27/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	17.9	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	107	<1.0	85.5	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	MS-16-10	10	8/27/21	ug/m3		2.9	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	3.4	41.5	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	13.0	284	<1.0	200	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	8.0	<5.0	<4.0
	MS-16-20	20	9/1/21	ug/m3		0.6	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	12.5	<2.0	156	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	18.5	1050	<1.0	589	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	MS-16-20-REP	20	9/1/21	ug/m3	X	<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	11.2	<2.0	157	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	18.6	1060	<1.0	595	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
MS-17	MS-17-5	5	8/27/21	ug/m3		0.8	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	13.6	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	7.9	1950	<1.0	125	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	2.9	<5.0	<4.0
	MS-17-10	10	8/27/21	ug/m3		2.4	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	22.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	8.0	2670	<1.0	184	1.1	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	12.0	<5.0	<4.0
	MS-17-20	20	8/27/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	13.2	<2.0	88.4	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	18.5	3290	3.5	482	6.5	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
MS-17B	MS-17B-40	40	9/3/21	ug/m3		4.2	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	122	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	13.4	1830	7.5	587	2.6	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	3.2	<5.0	<4.0
	MS-17B-60	60	9/3/21	ug/m3		5.6	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	17.2	<2.0	146	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	19.8	717	20.9	726	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	3.4	7.2	<4.0
MS-18	MS-18-5	5	8/27/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	8.0	1.4	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	MS-18-10	10	8/27/21	ug/m3		1.4	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	8.6	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	9.1	8.9	<1.0	12.4	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	12.7	<5.0	<4.0
	MS-18-20	20	9/17/21	ug/m3		1.6	<2.0	3.0	<2.0	<5.0	<5.0	<5.0	7.1	<2.0	62.5	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	9.7	155	<1.0	206	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	5.2	<4.0
MS-19	MS-19-5	5	9/3/21	ug/m3		0.6	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	1.3	<2.0	19.2	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	5.9	3.4	<1.0	13.8	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	3.2	<5.0	<4.0
	MS-19-10	10	NS	ug/m3		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MS-19-20	20	9/3/21	ug/m3		5.1	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	8.6	<2.0	233	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	17.9	112	<1.0	259	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	60.1	<5.0	<4.0
MS-20	MS-20-5	5	9/3/21	ug/m3		1.8	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	5.2	<2.0	39.6	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	5.2	2.0	<1.0	8.9	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	3.5	<5.0	<4.0
	MS-20-10	10	NS	ug/m3		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MS-20-20	20	9/3/21	ug/m3		3.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	25.7	<2.0	158	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	10.3	19.6	<1.0	89.9	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	4.0	<5.0	<4.0
MS-21	MS-21-5	5	9/17/21	ug/m3		0.7	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	1.5	<2.0	78.1	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	7.0	1.7	<1.0	1.8	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	MS-21-5R	5	10/18/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	1.9	<2.0	55	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	12.4	2.3	<1.0	2.5	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	MS-21-20	20	9/17/21	ug/m3		0.6	<2.0	4.8	<2.0	<5.0	<5.0	<5.0	22.9	<2.0	787	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	22.5	44.6	<1.0	132	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	2.6	<4.0
MS-22	MS-22-5	5	10/18/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	25.8	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	11.7	<1.0	<1.0	5.9	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	MS-22-20	20	10/18/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	82.9	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	17	17.5	<1.0	54	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
MS-23	MS-23-5	5	10/18/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	2.5	<2.0	85.9	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	6.3	1.7	<1.0	3.2	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	MS-23-5 REP	5	10/18/21	ug/m3	X	<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	3.2	<2.0	125	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	7.9	2.6	<1.0	4.6	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	MS-23-5	5	11/8/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	3.2	<2.0	115	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	6.6	<1.0	<1.0	3.7	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	MS-23-20	20	10/18/21	ug/m3		<0.5	<2.0	8.8	<2.0	<5.0	<5.0	<5.0	23.7	<2.0	1050	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	22.2	48.4	<1.0	144	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	MS-23-20	20	11/8/21	ug/m3		<0.5	<2.0	9.8	<2.0	<5.0	<5.0	<5.0	28.3	<2.0	1140	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	19.2	47.1	<1.0	150	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
MS-23B	MS-23B-40	40	11/8/21	ug/m3		3.6	<2.0	15.4	5.9	<5.0	<5.0	60.1	38.4	<2.0	975	<5.0	<5.0	12.4	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	26.7	84.7	<1.0	263	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	MS-23B-40-REP	40	11/8/21	ug/m3	X	4.0	<2.0	14.3	5.3	<5.0	<5.0	59.7	37.4	<2.0	909	<5.0	<5.0	12.8	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	25.7	81.6	<1.0	252	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	MS-23B-60	60	11/8/21	ug/m3		9.1	<2.0	23.8	9.9	<5.0	<5.0	<5.0	36.9	<2.0	236	<5.0	<5.0	26.9	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	30.5	27	<1.0	162	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	4.9	<5.0	<4.0
	MS-23B-80	80	11/8/21	ug/m3		9.5	<2.0	24.7	9.4	<5.0	<5.0	23.5	157	<2.0	977	<5.0	<5.0	22.4	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	60.6	149	2.6	513	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	7.2	<5.0	<4.0
	MS-23B-100	100	11/8/21	ug/m3		5.3	<2.0	17.8	2.1	<5.0	<5.0	<5.0	444	<2.0	1840	<5.0	<5.0	4.8	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	87.4	363	12.2	725	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	2.9	<5.0	<4.0
	MS-23B-100-REP	100	11/8/21	ug/m3	X	6.0	<2.0	21.1	<2.0	<5.0	<5.0	<5.0	436	<2.0	1900	<5.0	<5.0	6.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	87.1	364	12.7	716	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	3.8	<5.0	<4.0

TABLE 1
Soil Vapor Analytical Results - Volatile Organic Compounds
EPA Method 8260B

Location or Boring ID	Field Sample ID	Sample Depth in feet below ground surface	Sample Date	Units	Duplicate	Benzene	Bromobenzene	Bromodichloromethane	Bromoform	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroform	2-Chlorotoluene	4-Chlorotoluene	Dibromochloromethane	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	Dibromomethane	1,2- Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane (Freon-12)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Freon-113	Hexachlorobutadiene
MS-24	MS-24-5	5	10/18/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	4.3	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	7.9	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	MS-24-20	20	10/18/21	ug/m3		0.8	<2.0	2.2	<2.0	<5.0	<5.0	<5.0	20	<2.0	172	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	22.7	<1.0	<1.0	17	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
MS-25	MS-25-5	5	10/18/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	6.4	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	MS-25-20	20	10/18/21	ug/m3		1.4	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	6.1	<2.0	45.5	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	22.5	<1.0	<1.0	5.1	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
MS-26	MS-26-5	5	10/18/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	2.8	<2.0	4	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	16.2	<1.0	<1.0	1.1	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	MS-26-20	20	10/18/21	ug/m3		1.8	<2.0	3.7	<2.0	<5.0	<5.0	<5.0	81.9	<2.0	114	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	30	1.1	<1.0	39.8	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
MS-27	MS-27-5	5	10/18/21	ug/m3		1.3	<2.0	1.5	<2.0	<5.0	<5.0	<5.0	36.1	<2.0	21.5	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	9.6	<1.0	<1.0	1	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	MS-27-20	20	10/18/21	ug/m3		1.4	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	126	<2.0	157	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	14.4	6.1	<1.0	84.7	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
MS-28	MS-28-5	5	11/8/21	ug/m3		5.2	<2.0	17.6	9.3	<5.0	<5.0	<5.0	<1.0	<2.0	14.2	<5.0	<5.0	24.3	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	10.6	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	4.7	<5.0	<4.0
	MS-28-20	20	11/8/21	ug/m3		3.9	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	29.7	<1.0	<1.0	8.7	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
SS-4	SS-4-5	5	8/27/21	ug/m3		4.9	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	3.2	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	6.8	35.2	<1.0	25.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	6.3	<5.0	<4.0
	SS-4-10	10	8/27/21	ug/m3		1.4	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	7.2	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	8.5	190	<1.0	67.9	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	3.5	<5.0	<4.0
	SS-4-20	20	9/1/21	ug/m3		0.8	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	5.0	<2.0	50.5	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	14.0	1140	<1.0	356	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	5.0	8.5	<4.0
SS-5	SS-5-5	5	8/27/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	5.3	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	SS-5-5-REP	10	8/27/21	ug/m3	X	<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	SS-5-10	10	8/27/21	ug/m3		2.1	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	6.7	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	24.7	<5.0	<4.0
	SS-5-20	20	NS	ug/m3		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SS-6	SS-6-5	5	8/27/21	ug/m3		0.7	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	6.4	<1.0	<1.0	1.6	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	SS-6-10	10	8/27/21	ug/m3		1.9	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	3.3	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	18.7	<1.0	25.2	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	14.7	<5.0	<4.0
	SS-6-20	20	9/17/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	3.2	<2.0	26.6	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	8.7	183	<1.0	160	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	5.7	<4.0
SS-7	SS-7-5	5	8/31/21	ug/m3		1.4	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	2.6	<1.0	7.1	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	SS-7-5-RERUN	5	9/3/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	5.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	SS-7-10	10	8/31/21	ug/m3		0.8	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	1.1	<2.0	3.8	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	7.2	18.9	<1.0	43.8	<1.0	<1.0	<2.0	<4.0	<8	<5.0	0.8	<2.0	<2.0	<2.0	<5.0
	SS-7-20	20	9/17/21	ug/m3		1.3	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	5.8	<2.0	44.4	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	10.1	222	<1.0	247	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	6.8	<4.0
SS-8	SS-8-5	5	NS	ug/m3		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	SS-8-10	10	NS	ug/m3		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	SS-8-20	20	NS	ug/m3		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SS-9	SS-9-5	5	NS	ug/m3		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	SS-9-10	10	NS	ug/m3		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	SS-9-20	20	NS	ug/m3		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SS-10	SS-10-5	5	8/27/21	ug/m3		1.3	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	9.1	<1.0	<1.0	2.3	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	19.4	<5.0	<4.0
	SS-10-10	10	8/27/21	ug/m3		0.9	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	8.2	3.9	<1.0	11.3	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	31.9	<5.0	<4.0
	SS-10-20	20	9/1/21	ug/m3		2.2	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	1.5	<2.0	17.5	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	12.0	72.2	<1.0	85.6	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	319	6.2	<4.0
SS-11	SS-11-5	5	8/31/21	ug/m3		2.4	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	5.8	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	9.6	2.6	<1.0	4.3	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	5.0	<4.0
	SS-11-10	10	8/31/21	ug/m3		1.8	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	3.8	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	10.0	5.5	<1.0	31.3	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	6.3	<4.0
	SS-11-20	20	9/1/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	2.5	<2.0	17.7	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	14.0	49.0	<1.0	145	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
SS-12	SS-12-5	5	8/31/21	ug/m3		0.8	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	4.3	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	3.9	<1.0	8.4	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	SS-12-5-RERUN	5	9/3/21	ug/m3		1.2	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	3.7	<1.0	15.6	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	SS-12-5R	5	10/18/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	2.9	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	7.6	<1.0	<1.0	9.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	19.1	<5.0	<4.0
	SS-12-10	10	8/31/21	ug/m3		1.2	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	1.2	<2.0	13.8	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	10.6	52.0	<1.0	95.2	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	SS-12-20	20	9/1/21	ug/m3		1.0	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	6.8	<2.0	85.4	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	18.7	427	<1.0	445	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	3.5	10.5	<4.0

TABLE 1
Soil Vapor Analytical Results - Volatile Organic Compounds
EPA Method 8260B

Location or Boring ID	Field Sample ID	Sample Depth in feet below ground surface	Sample Date	Units	Duplicate	Benzene	Bromobenzene	Bromodichloromethane	Bromoform	n-Butylbenzene	sec-Butylbenzene	tert-Butylbenzene	Carbon tetrachloride	Chlorobenzene	Chloroform	2-Chlorotoluene	4-Chlorotoluene	Dibromochloromethane	1,2-Dibromo-3-chloropropane	1,2-Dibromoethane (EDB)	Dibromomethane	1,2- Dichlorobenzene	1,3-Dichlorobenzene	1,4-Dichlorobenzene	Dichlorodifluoromethane (Freon-12)	1,1-Dichloroethane	1,2-Dichloroethane	1,1-Dichloroethene	cis-1,2-Dichloroethene	trans-1,2-Dichloroethene	1,2-Dichloropropane	1,3-Dichloropropane	2,2-Dichloropropane	1,1-Dichloropropene	cis-1,3-Dichloropropene	trans-1,3-Dichloropropene	Ethylbenzene	Freon-113	Hexachlorobutadiene
Area ID #36 - Former Hazardous Waste Area																																								
F36-1	F36-1-5	5	9/1/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	**5.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	F36-1-10	10	9/1/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	**10.7**	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	**5.4**	<1.0	<1.0	**12.9**	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
F36-2	F36-2-5	5	9/1/21	ug/m3		**0.7**	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	**5.0**	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	F36-2-10	10	9/1/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	**5.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
F36-3	F36-3-5	5	9/1/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	F36-3-10	10	9/1/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	<2.0	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
	F36-3-10	10	9/17/21	ug/m3		<0.5	<2.0	<2.0	<2.0	<5.0	<5.0	<5.0	<1.0	<2.0	**4.3**	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	<5.0	<1.0	<1.0	<1.0	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<2.0	<2.0	<2.0	<5.0	<4.0
Commercial/Industrial Screening Levels for Comparison																																							
Calculated DTSC-SL - Commercial Soil Vapor (default AF of 0.001[1])						420	--	330	11,000	880,000	1,800,000	1,800,000	2,000	--	--	350,000	350,000	580	--	--	--	--	--	--	--	7,700	--	310,000	35,000	350,000	--	350,000	--	--	--	--	--	--	560
Calculated EPA RSL - Commercial Soil Vapor (default AF of 0.001[1])						1,600	260,000	330	11,000	--	--	--	2,000	220,000	530	--	--	--	2.0	--	18,000	880,000	--	1,100	440,000	7,700	470	880,000	--	180,000	3,300	--	--	--	--	--	4,900	22,000,000	560
Calculated DTSC-SL - Commercial Soil Vapor (default AF of 0.03[2])						14	--	11	367	29,333	60,000	60,000	67	--	--	11,667	11,667	19	--	--	--	--	--	--	--	257	--	10,333	1,167	11,667	--	11,667	--	--	--	--	--	--	19
Calculated EPA RSL - Commercial Soil Vapor (default AF of 0.03[2])						53	8,667	11	367	--	--	--	67	7,333	18	--	--	--	0.1	--	600	29,333	--	37	14,667	257	16	29,333	--	6,000	110	--	--	--	--	--	163	733,333	19

Notes:

Bold: Reported chemical concentration in micrograms per cubic meter (ug/m3)

<: Not detected at or above the indicated Reporting Limit (RL)

-- : No published value or not analyzed

NS: Not sampled

DTSC-SL: Department of Toxic Substances Control-modified screening level

EPA RSL: United States Environmental Protection Agency Regional Screening Level

AF: Attenuation Factor (see Notes 1 and 2 for additional information)

8260B: VOC Analytical Method

Calculated commercial screening values for soil vapor using the default attenuation factors listed (for DTSC SL, the lower of the cancer or non-cancer level was used)

Concentration exceeds a commercial soil vapor screening level after application of a default soil vapor attenuation factor

Tracer gas concentration was detected in soil vapor sample

1 : Default AF of 0.001 for soil vapor in existing commercial settings is in accordance with the DTSC Final Vapor Intrusion Guidance document (October 2011)

2 : Default AF of 0.03 for soil vapor in accordance with the Draft Supplemental Guidance: Screening and Evaluating Vapor Intrusion from DTSC and California Water Resources Control Board (February 2020)

TABLE 1
Soil Vapor Analytical Results - Volatile Organic Compounds
EPA Method 8260B

Location or Boring ID	Field Sample ID	Sample Depth in feet below ground surface	Sample Date	Units	Duplicate	Isopropylbenzene	4-Isopropyltoluene	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane (Freon-11)	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene	Methyl tert butyl ether (MTBE)	Ethyl-tert-butyl ether	Di-isopropylether	tert-amyl methyl ether	tert-Butyl alcohol	n-Pentane (Tracer Gas)	n-Hexane (Tracer Gas)	n-Heptane (Tracer Gas)
Area ID #1 - Distillate Tank for Unit 5 Peaker																																			
DT-1	DT-1-5	5	8/31/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	9190	12700	11800
	DT-1-5-RERUN	5	9/1/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	46100	15100	8760
	DT-1-10	10	8/31/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
DT-2	DT-2-5	5	8/31/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	10.9	<2.0	<0.5	4.4	5.3	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	DT-2-10	10	8/31/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	<5.0	5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	5.1	<2.0	<0.5	2.8	14.8	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
DT-3	DT-3-5	5	8/31/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	DT-3-10	10	8/31/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
DT-4	DT-4-5	5	8/31/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	DT-4-10	10	8/31/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	4.8	12.1	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
Area ID #5 - Fueling Station																																			
F5-1	F5-1-5	5	8/31/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	88.7	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	F5-1-10	10	8/31/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	14.9	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
F5-2	F5-2-5	5	8/31/21	ug/m3		2.4	2.0	<2.0	<1.0	9.0	<2.0	<4.0	<1.0	35.6	89.8	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	76.1	19.6	<0.5	179	69.5	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	F5-2-10	10	8/31/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	40.0	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
Area ID #6 - Unit 5 Peaker																																			
P-1	P-1-5	5	8/27/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	317	<5.0	<1.0	<1.0	4.2	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	2.9	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	P-1-10	10	8/27/21	ug/m3		<2.0	6.2	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	225	5.6	<1.0	<1.0	12.4	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	21.2	7.1	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
P-1B	P-1B-20	20	9/3/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	4.1	<4.0	<1.0	137	44.3	<1.0	<1.0	9.9	<4.0	<5.0	<5.0	<2.0	2.7	<2.0	<0.5	21.1	5.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	P-1B-40	40	9/3/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	129	20.1	<1.0	<1.0	6.3	<4.0	<5.0	<5.0	<2.0	3.4	<2.0	<0.5	17.0	5.7	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
P-2	P-2-5	5	8/31/21	ug/m3		<2.0	3.5	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	197	<5.0	<1.0	<1.0	3.8	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	2.4	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	P-2-10	10	8/31/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	269	<5.0	<1.0	<1.0	8.1	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	P-2-10-REP	10	8/31/21	ug/m3	X	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	212	<5.0	<1.0	<1.0	6.4	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
P-3	P-3-5	5	9/3/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	46.7	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	P-3-10	10	8/31/21	ug/m3		<2.0	5.8	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	108	7.2	<1.0	<1.0	4.1	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	3.9	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
P-4	P-4-5	5	8/31/21	ug/m3		<2.0	15.2	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	73.6	<5.0	<1.0	<1.0	4.3	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	5.9	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	P-4-10	10	8/31/21	ug/m3		<2.0	10.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	89.3	<5.0	<1.0	<1.0	5.6	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	3.4	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
P-5	P-5-5	5	9/3/21	ug/m3		<2.0	15.7	<2.0	<1.0	<2.0	2.2	<4.0	<1.0	204	32.4	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	6.6	2.4	<0.5	22.3	6.8	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	P-5-20	20	9/3/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	111	69.0	<1.0	<1.0	2.4	<4.0	<5.0	<5.0	<2.0	3.7	<2.0	<0.5	61.5	20.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	P-5-20-REP	20	9/3/21	ug/m3	X	<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	115	68.9	<1.0	<1.0	2.4	<4.0	<5.0	<5.0	<2.0	3.8	<2.0	<0.5	64.8	20.4	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
P-6	P-6-5	5	9/3/21	ug/m3		46.0	29.7	<2.0	<1.0	2.9	<2.0	<4.0	<1.0	10.1	3950	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	9.2	3.4	<0.5	131	46.7	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	P-6-20	20	9/3/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	32.9	16.3	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	43.3	15.4	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
P-7	P-7-5	5	9/3/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	<5.0	16.9	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	5.3	2.5	<0.5	3.2	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
P-8	P-8-5	5	9/17/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	18.2	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	P-8-20	20	9/17/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	54.7	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
P-9	P-9-5	5	9/17/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	42.2	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	152	134	50.5
	P-9-5R	5	10/18/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	48.6	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	5.4	2.8	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	P-9-20	20	9/17/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	192	<5.0	<1.0	<1.0	2.2	<4.0	<5.0	<5.0	<2.0	2.2	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
Area ID #14 - Hazardous Waste Accumulation Area																																			
F14-1	F14-1-5	5	9/1/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	F14-1-10	10	9/1/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
Area ID #15 - Generating 1 & 2																																			
F15-1	F15-1-5	5	8/31/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	8.9	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
Area ID #17 - Maintenance Shop																																			
SS-1B	SS-1B-5	5	8/27/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	214	<5.0	<1.0	<1.0	220	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	2.6	2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	SS-1B-10	10	8/27/21	ug/m3		<2.0	40.0	<2.0	<1.0	2.4	3.2	<4.0	<1.0	304	15.2	<1.0	<1.0	329	<4.0	8.3	<5.0	<2.0	14.3	5.1	<0.5	29.9	11.3	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	SS-1B-20	20	9/1/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	531	<5.0	<1.0	<1.0	977	<4.0	43.1	7.2	<2.0	<2.0	<2.0	<0.5	3.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
MS-10	MS-10-5	5	8/31/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	11.2	<5.0	<1.0	<1.0	8.1	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-10-10	10	8/31/21	ug/m3		<2.0	4.8	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	27.5	<5.0	<1.0	<1.0	20.5	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-10-20	20	9/1/21	ug/m3		<2.0	<2.0	<2.0	<1.0	<2.0	<2.0	<4.0	<1.0	66.0	<5.0	<1.0	<1.0	44.9	<4.0	9.6	6.1	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0

TABLE 1
Soil Vapor Analytical Results - Volatile Organic Compounds
EPA Method 8260B

Location or Boring ID	Field Sample ID	Sample Depth in feet below ground surface	Sample Date	Units	Duplicate	Isopropylbenzene	4-Isopropyltoluene	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane (Freon-11)	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene	Methyl tert butyl ether (MTBE)	Ethyl-tert-butyl ether	Di-isopropylether	tert-amyl methyl ether	tert-Butyl alcohol	n-Pentane (Tracer Gas)	n-Hexane (Tracer Gas)	n-Heptane (Tracer Gas)
MS-11	MS-11-5	5	8/31/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	10.7	<5.3	<1.0	<1.0	5.7	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-11-10	10	8/31/21	ug/m3		<2.0	3.7	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	39.1	8.7	<1.0	<1.0	29.5	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	2.8	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	Ms-11-20	20	9/1/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	102	3.7	<1.0	<1.0	98.1	<4.0	11.8	10.8	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
MS-12	MS-12-5	5	8/31/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	23.8	<5.3	<1.0	<1.0	20.0	<4.0	<5.0	7.9	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-12-10	10	8/31/21	ug/m3		<2.0	21.8	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	54.0	5.9	<1.0	<1.0	50.7	<4.0	<5.0	15.3	<2.0	<2.0	2.5	<0.5	7.2	2.1	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-12-20	20	9/1/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	109	<5.3	<1.0	<1.0	118	<4.0	12.0	20.1	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
MS-13	MS-13-5	5	8/31/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	32.3	<5.3	<1.0	<1.0	23.8	<4.0	<5.0	11.6	<2.0	<2.0	<2.0	<0.5	2.4	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-13-10	10	8/31/21	ug/m3		<2.0	29.6	<2.0	<2.0	3.3	<2.0	<4.0	<1.0	44.4	65.4	<1.0	<1.0	32.8	<4.0	<5.0	22.5	<2.0	26.5	8.9	<0.5	70.9	11.3	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-13-10-REP	10	8/31/21	ug/m3	X	<2.0	26.7	<2.0	<2.0	3.5	<2.0	<4.0	<1.0	43.6	55.5	<1.0	<1.0	33.1	<4.0	<5.0	21.0	<2.0	22.2	8.1	<0.5	62.0	9.8	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-13-20	20	9/1/21	ug/m3		<2.0	3.3	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	95.6	10.7	<1.0	<1.0	87.3	<4.0	11.6	31.4	<2.0	5.3	<2.0	<0.5	5.8	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
MS-13B	MS-13B-35	35	9/3/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	2.1	<4.0	<1.0	46.4	37.1	<1.0	<1.0	87.8	<4.0	10.6	28.3	<2.0	<2.0	<2.0	<0.5	8.1	<2.0	<5.0	<5.0	<5.0	<5.0	214	<5.0	<5.0	<5.0
	MS-13B-50	50	9/3/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	2.6	<4.0	<1.0	19.9	51.5	<1.0	<1.0	74.2	<4.0	9.2	34.7	<2.0	2.4	<2.0	<0.5	10.2	<2.0	<5.0	<5.0	<5.0	<5.0	792	<5.0	<5.0	<5.0
MS-14	MS-14-5	5	8/31/21	ug/m3		<2.0	2.1	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	65.9	<5.3	<1.0	<1.0	66.2	<4.0	<5.0	22.3	<2.0	10.9	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-14-10	10	8/31/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	58.7	<5.3	<1.0	<1.0	57.4	<4.0	<5.0	21.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-14-20	20	NS	ug/m3		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
MS-15	MS-15-5	5	8/31/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	52.7	<5.3	<1.0	<1.0	59.4	<4.0	<5.0	10.1	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-15-10	10	8/31/21	ug/m3		<2.0	31.0	<2.0	<2.0	5.4	<2.0	<4.0	<1.0	69.8	18.3	<1.0	<1.0	69.8	<4.0	<5.0	10.9	<2.0	28.3	10.0	<0.5	28.3	3.9	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-15-20	20	9/1/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	158	<5.3	<1.0	<1.0	225	<4.0	6.2	29.4	<2.0	<2.0	<2.0	<0.5	2.1	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
MS-16	Ms-16-5	5	8/27/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	179	<5.3	<1.0	<1.0	435	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-16-10	10	8/27/21	ug/m3		<2.0	24.4	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	250	38.1	<1.0	<1.0	499	<4.0	9.7	10.7	<2.0	9.7	4.0	<0.5	35.2	9.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-16-20	20	9/1/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	373	<5.3	<1.0	<1.0	772	<4.0	27.6	16.6	<2.0	<2.0	<2.0	<0.5	4.2	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-16-20-REP	20	9/1/21	ug/m3	X	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	387	<5.3	<1.0	<1.0	789	<4.0	27.1	16.9	<2.0	<2.0	<2.0	<0.5	4.1	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
MS-17	MS-17-5	5	8/27/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	1570	<5.3	<1.0	<1.0	2470	<4.0	55.1	<5.0	<2.0	2.4	<2.0	<0.5	13.0	5.4	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-17-10	10	8/27/21	ug/m3		<2.0	51.0	<2.0	<2.0	3.4	5.5	<4.0	<1.0	1900	39.6	<1.0	<1.0	2950	<4.0	72.3	<5.0	<2.0	19.7	7.0	<0.5	62.1	19.3	<5.0	<5.0	<5.0	<5.0	128	<5.0	<5.0	<5.0
	MS-17-20	20	8/27/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	1280	<5.3	<1.0	<1.0	2870	4.3	194	9.3	<2.0	<2.0	<2.0	<0.5	2.6	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
MS-17B	MS-17B-40	40	9/3/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	2.5	<4.0	<1.0	234	46.0	<1.0	<1.0	1260	4.3	58.8	12.1	<2.0	2.1	<2.0	<0.5	10.8	2.2	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-17B-60	60	9/3/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	2.7	<4.0	<1.0	50.3	61.7	<1.0	<1.0	356	3.5	13.1	18.1	<2.0	2.2	<2.0	<0.5	12.7	2.3	<5.0	<5.0	<5.0	<5.0	823	<5.0	<5.0	<5.0
MS-18	MS-18-5	5	8/27/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	43.1	<5.3	<1.0	<1.0	48.5	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-18-10	10	8/27/21	ug/m3		<2.0	40.4	<2.0	2.2	3.0	<2.0	<4.0	<1.0	62.0	26.6	<1.0	<1.0	67.0	<4.0	<5.0	<5.0	<2.0	19.9	7.0	<0.5	70.9	28.7	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-18-20	20	9/17/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	120	<5.3	<1.0	<1.0	161	<4.0	5.1	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
MS-19	MS-19-5	5	9/3/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	14.0	10.5	<1.0	<1.0	10.4	<4.0	<5.0	10.8	<2.0	2.5	<2.0	<0.5	15.1	6.1	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-19-10	10	NS	ug/m3		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MS-19-20	20	9/3/21	ug/m3		2.8	<2.0	<2.0	<2.0	3.8	<2.0	<4.0	<1.0	70.3	31.1	<1.0	<1.0	80.4	<4.0	<5.0	35.2	<2.0	15.0	3.8	<0.5	324	140	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
MS-20	MS-20-5	5	9/3/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	9.3	58.7	<1.0	<1.0	2.1	<4.0	<5.0	9.8	<2.0	2.2	<2.0	<0.5	13.7	3.6	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-20-10	10	NS	ug/m3		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	MS-20-20	20	9/3/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	9.3	70.8	<1.0	<1.0	5.5	<4.0	<5.0	12.5	<2.0	2.3	<2.0	<0.5	13.2	3.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
MS-21	MS-21-5	5	9/17/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	7.7	<5.3	<1.0	<1.0	5.8	<4.0	5.6	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	138	124	49.5
	MS-21-5R	5	10/18/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	<5.0	14.5	<1.0	<1.0	8.1	<4.0	<5.0	29.5	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-21-20	20	9/17/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	30.1	4.8	<1.0	<1.0	16.3	<4.0	2.8	31.9	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
MS-22	MS-22-5	5	10/18/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	<5.0	10.4	<1.0	<1.0	6.8	<4.0	<5.0	11.2	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-22-20	20	10/18/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	<5.0	15.4	<1.0	<1.0	11.9	<4.0	<5.0	16.8	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
MS-23	MS-23-5	5	10/18/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	2	<4.0	<1.0	<5.0	11.6	<1.0	<1.0	7.6	<4.0	<5.0	12.2	<2.0	<2.0	<2.0	<0.5	3.1	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-23-5 REP	5	10/18/21	ug/m3	X	<2.0	<2.0	<2.0	<2.0	<2.0	3.1	<4.0	<1.0	7.4	14.7	<1.0	<1.0	11.7	<4.0	<5.0	17.9	<2.0	<2.0	<2.0	<0.5	3.4	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-23-5	5	11/8/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	5.6	<5.3	<1.0	<1.0	8.5	<4.0	15.5	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-23-20	20	10/18/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	21.4	<5.3	<1.0	<1.0	29.5	<4.0	<5.0	59.1	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-23-20	20	11/8/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	23.6	<5.3	<1.0	<1.0	27.6	<4.0	56.7	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
MS-23B	MS-23B-40	40	11/8/21	ug/m3		<2.0	13.2	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	35.9	13.3	<1.0	<1.0	20.5	<4.0	<5.0	75.3	<2.0	15.1	<2.0	<0.5	3.8	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-23B-40-REP	40	11/8/21	ug/m3	X	<2.0	13.5	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	33.6	15.1	<1.0	<1.0	19.4	<4.0	<5.0	74	<2.0	15.8	<2.0	<0.5	4.5	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-23B-60	60	11/8/21	ug/m3		2.6	35.7	<2.0	<2.0	<2.0	3.8	<4.0	<1.0	6.2	51.3	<1.0	<1.0	4.9	<4.0	<5.0	89.9	<2.0	28.8	6.6	<0.5	16.8	4.9	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-23B-80	80	11/8/21	ug/m3		<2.0	4.5	<2.0	<2.0	<2.0	11.2	<4.0	<1.0	29.8	69.3	<1.0	<1.0	17.5	<4.0	7.2	198	<2.0	<2.0	3.4	<0.5	27.1	7.4	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-23B-100	100	11/8/21	ug/m3		<2.0	2.0	<2.0	<2.0	<2.0	3.7	<4.0	<1.0	66.2	17.6	<1.0	<1.0	15.9	<4.0	18.8	329	<2.0	3.3	<2.0	<0.5	8.3	2.4	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-23B-100-REP	100	11/8/21	ug/m3	X	<2.0	2.6	<2.0	<2.0	<2.0	4.8	<4.0	<1.0	66.1	20.5	<1.0	<1.0	16.4	<4.0	19.4	323	<2.0	4.2	<2.0	<0.5	11.1	3.2	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0

TABLE 1
Soil Vapor Analytical Results - Volatile Organic Compounds
EPA Method 8260B

Location or Boring ID	Field Sample ID	Sample Depth in feet below ground surface	Sample Date	Units	Duplicate	Isopropylbenzene	4-Isopropyltoluene	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane (Freon-11)	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene	Methyl tert butyl ether (MTBE)	Ethyl-tert-butyl ether	Di-isopropylether	tert-amyl methyl ether	tert-Butyl alcohol	n-Pentane (Tracer Gas)	n-Hexane (Tracer Gas)	n-Heptane (Tracer Gas)
MS-24	MS-24-5	5	10/18/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	12.6	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-24-20	20	10/18/21	ug/m3		<2.0	5.3	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	6	<5.0	<1.0	<1.0	13.2	<4.0	<5.0	70.7	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
MS-25	MS-25-5	5	10/18/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	10.2	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-25-20	20	10/18/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	<5.0	14.4	<1.0	<1.0	<2.0	<4.0	<5.0	83.7	<2.0	<2.0	<2.0	<0.5	4	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
MS-26	MS-26-5	5	10/18/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	<5.0	5.6	<1.0	<1.0	12.3	<4.0	<5.0	38.8	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-26-20	20	10/18/21	ug/m3		<2.0	3.2	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	11.6	10.1	<1.0	<1.0	7.8	<4.0	<5.0	89.2	<2.0	2.6	<2.0	<0.5	2.9	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
MS-27	MS-27-5	5	10/18/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	6.3	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	33	<2.0	<2.0	<2.0	<0.5	6.8	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-27-20	20	10/18/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	16.3	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	23.9	<2.0	<2.0	<2.0	<0.5	<0.5	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
MS-28	MS-28-5	5	11/8/21	ug/m3		<2.0	13.3	<2.0	<2.0	<2.0	7.5	<4.0	<1.0	<5.0	41.5	<1.0	<1.0	<2.0	<4.0	35.8	<5.0	15.1	<2.0	<2.0	<0.5	17.7	4.6	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	MS-28-20	20	11/8/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	2.0	<4.0	<1.0	6.4	16.2	<1.0	<1.0	<2.0	<4.0	152	<5.0	<2.0	<2.0	<2.0	<0.5	4.9	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
SS-4	SS-4-5	5	8/27/21	ug/m3		<2.0	54.2	<2.0	<2.0	<2.0	4.1	<4.0	<1.0	239	28.5	<1.0	<1.0	224	<4.0	<5.0	<5.0	<2.0	16.9	5.5	<0.5	31.7	10.3	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	SS-4-10	10	8/27/21	ug/m3		<2.0	26.9	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	329	9.8	<1.0	<1.0	356	<4.0	8.0	3.6	<2.0	8.2	2.9	<0.5	19.9	6.9	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	SS-4-20	20	9/1/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	479	<5.0	<1.0	<1.0	820	<4.0	37.0	11.6	<2.0	<2.0	<2.0	<0.5	13.1	2.6	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
SS-5	SS-5-5	5	8/27/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	38.8	<5.0	<1.0	<1.0	21.8	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	6.4	3.6	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	SS-5-5-REP	10	8/27/21	ug/m3	X	<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	38.7	<5.0	<1.0	<1.0	23.2	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	4.8	3.2	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	SS-5-10	10	8/27/21	ug/m3		<2.0	34.3	<2.0	<2.0	3.8	10.2	<4.0	<1.0	41.8	49.1	<1.0	<1.0	26.2	<4.0	<5.0	<5.0	<2.0	15.3	6.4	<0.5	130	50.4	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	SS-5-20	20	NS	ug/m3		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SS-6	SS-6-5	5	8/27/21	ug/m3		<2.0	30.4	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	17.1	<5.0	<1.0	<1.0	14.6	<4.0	<5.0	<5.0	<2.0	13.9	4.6	<0.5	12.0	4.5	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	SS-6-10	10	8/27/21	ug/m3		<2.0	168	<2.0	<2.0	9.1	4.2	<4.0	<1.0	44.4	26.8	<1.0	<1.0	46.3	<4.0	<5.0	<5.0	<2.0	58.7	21.4	<0.5	89.7	28.5	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	SS-6-20	20	9/17/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	165	<5.0	<1.0	<1.0	213	<4.0	4.9	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
SS-7	SS-7-5	5	8/31/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	34.4	<5.0	<1.0	<1.0	31.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	165000	34900	25700
	SS-7-5-RERUN	5	9/3/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	30.2	<5.0	<1.0	<1.0	21.7	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	SS-7-10	10	8/31/21	ug/m3		<5.0	<5.0	1.1	<2.0	3.8	<5.0	<5.0	<2.0	<5.0	<2.0	<4.0	<2.0	<2.0	<2.0	7.2	18.9	<1.0	43.8	<1.0	<1.0	<2.0	<4.0	<8	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	SS-7-20	20	9/17/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	188	<5.0	<1.0	<1.0	253	<4.0	5.8	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
SS-8	SS-8-5	5	NS	ug/m3		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	SS-8-10	10	NS	ug/m3		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	SS-8-20	20	NS	ug/m3		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SS-9	SS-9-5	5	NS	ug/m3		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	SS-9-10	10	NS	ug/m3		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	SS-9-20	20	NS	ug/m3		--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
SS-10	SS-10-5	5	8/27/21	ug/m3		<2.0	2.4	<2.0	5.5	<2.0	<2.0	<4.0	<1.0	66.2	7.6	<1.0	<1.0	33.3	<4.0	<5.0	<5.0	<2.0	10.2	3.1	<0.5	108	54.5	<5.0	<5.0	<5.0	<5.0	138	<5.0	<5.0	<5.0
	SS-10-10	10	8/27/21	ug/m3		<2.0	11.3	<2.0	17.3	2.1	<2.0	<4.0	<1.0	63.8	7.4	<1.0	<1.0	36.5	<4.0	<5.0	<5.0	<2.0	28.7	8.2	<0.5	187	96.2	<5.0	<5.0	<5.0	<5.0	112	<5.0	<5.0	<5.0
	SS-10-20	20	9/1/21	ug/m3		8.7	<2.0	<2.0	<2.0	4.2	<2.0	<4.0	<1.0	85.2	9.4	<1.0	<1.0	99.4	<4.0	<5.0	8.5	<2.0	3.3	3.2	<0.5	816	159	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
SS-11	SS-11-5	5	8/31/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	64.4	5.0	<1.0	<1.0	32.9	<4.0	<5.0	6.5	<2.0	2.6	<2.0	<0.5	3.2	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	SS-11-10	10	8/31/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	88.1	2.6	<1.0	<1.0	48.8	<4.0	<5.0	8.4	<2.0	2.5	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	SS-11-20	20	9/1/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	42.8	<5.0	<1.0	<2.0	53.9	<4.0	<5.0	11.2	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
SS-12	SS-12-5	5	8/31/21	ug/m3		<2.0	3.8	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	34.3	<5.0	<1.0	<1.0	20.8	<4.0	<5.0	<5.0	<2.0	3.4	<2.0	<0.5	2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	125000	25900	18900
	SS-12-5-RERUN	5	9/3/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	45.4	<5.0	<1.0	<1.0	34.8	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	266	300	229
	SS-12-5R	5	10/18/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	30.9	5.7	<1.0	<1.0	23.4	<4.0	<5.0	10.8	<2.0	<2.0	<2.0	<0.5	96.4	43.4	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	SS-12-10	10	8/31/21	ug/m3		<2.0	7.1	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	110	<5.0	<1.0	<1.0	121	<4.0	<5.0	6.8	<2.0	7.6	<2.0	<0.5	2.4	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	SS-12-20	20	9/1/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	220	<5.0	<1.0	<1.0	345	<4.0	8.4	18.3	<2.0	<2.0	<2.0	<0.5	8.8	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0

TABLE 1
Soil Vapor Analytical Results - Volatile Organic Compounds
EPA Method 8260B

Location or Boring ID	Field Sample ID	Sample Depth in feet below ground surface	Sample Date	Units	Duplicate	Isopropylbenzene	4-Isopropyltoluene	Methylene chloride	Naphthalene	n-Propylbenzene	Styrene	1,1,1,2-Tetrachloroethane	1,1,2,2-Tetrachloroethane	Tetrachloroethene (PCE)	Toluene	1,2,3-Trichlorobenzene	1,2,4-Trichlorobenzene	1,1,1-Trichloroethane	1,1,2-Trichloroethane	Trichloroethene (TCE)	Trichlorofluoromethane (Freon-11)	1,2,3-Trichloropropane	1,2,4-Trimethylbenzene	1,3,5-Trimethylbenzene	Vinyl chloride	m,p-Xylene	o-Xylene	Methyl tert butyl ether (MTBE)	Ethyl-tert-butyl ether	Di-isopropylether	tert-amyl methyl ether	tert-Butyl alcohol	n-Pentane (Tracer Gas)	n-Hexane (Tracer Gas)	n-Heptane (Tracer Gas)
Area ID #36 - Former Hazardous Waste Area																																			
F36-1	F36-1-5	5	9/1/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	F36-1-10	10	9/1/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
F36-2	F36-2-5	5	9/1/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	F36-2-10	10	9/1/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
F36-3	F36-3-5	5	9/1/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	<5.0	<5.0	<5.0
	F36-3-10	10	9/1/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	1340	6040	8630
	F36-3-10	10	9/17/21	ug/m3		<2.0	<2.0	<2.0	<2.0	<2.0	<2.0	<4.0	<1.0	<5.0	<5.0	<1.0	<1.0	<2.0	<4.0	<5.0	<5.0	<2.0	<2.0	<2.0	<0.5	<2.0	<2.0	<5.0	<5.0	<5.0	<5.0	<1.0	129	136	58.5
Commercial/Industrial Screening Levels for Comparison																																			
Calculated DTSC-SL - Commercial Soil Vapor (default AF of 0.001[1])						--	--	12,000	--	--	3,900,000	530,000	210	2,000	1,300,000	14,000	1,700	4,400,000	--	--	5,300,000	16	--	--	160	--	--	--	--	--	--	--			
Calculated EPA RSL - Commercial Soil Vapor (default AF of 0.001[1])						--	--	1,200,000	360	4,400,000	4,400,000	1,700	210	47,000	22,000,000	--	8,800	22,000,000	770	3,000	--	1,300	260,000	260,000	2,800	440,000	440,000	47,000	--	3,100,000	--	--			
Calculated DTSC-SL - Commercial Soil Vapor (default AF of 0.03[2])						--	--	400	--	--	130,000	17,667	7.0	67	43,333	467	57	146,667	--	--	176,667	0.53	--	--	5	--	--	--	--	--	--	--			
Calculated EPA RSL - Commercial Soil Vapor (default AF of 0.03[2])						--	--	40,000	12	146,667	146,667	57	7.0	1,567	733,333	--	293	733,333	26	100	--	43	8,667	8,667	93	14,667	14,667	1,567	--	103,333	--	--			

Notes:

Bold: Reported chemical concentration in micrograms per cubic meter (ug/m3)

<: Not detected at or above the indicated Reporting Limit (RL)

-- : No published value or not analyzed

NS: Not sampled

DTSC-SL: Department of Toxic Substances Control-modified screening level

EPA RSL: United States Environmental Protection Agency Regional Screening Level

AF: Attenuation Factor (see Notes 1 and 2 for additional information)

8260B: VOC Analytical Method

Calculated commercial screening values for soil vapor using the default attenuation factors listed (for DTSC SL, the lower of the cancer or non-cancer level was used)

Concentration exceeds a commercial soil vapor screening level after application of a default soil vapor attenuation factor

Tracer gas concentration was detected in soil vapor sample

1 : Default AF of 0.001 for soil vapor in existing commercial settings is in accordance with the DTSC Final Vapor Intrusion Guidance document (October 2011)

2 : Default AF of 0.03 for soil vapor in accordance with the Draft Supplemental Guidance: Screening and Evaluating Vapor Intrusion from DTSC and California Water Resources Control Board (February 2020)

FIGURES

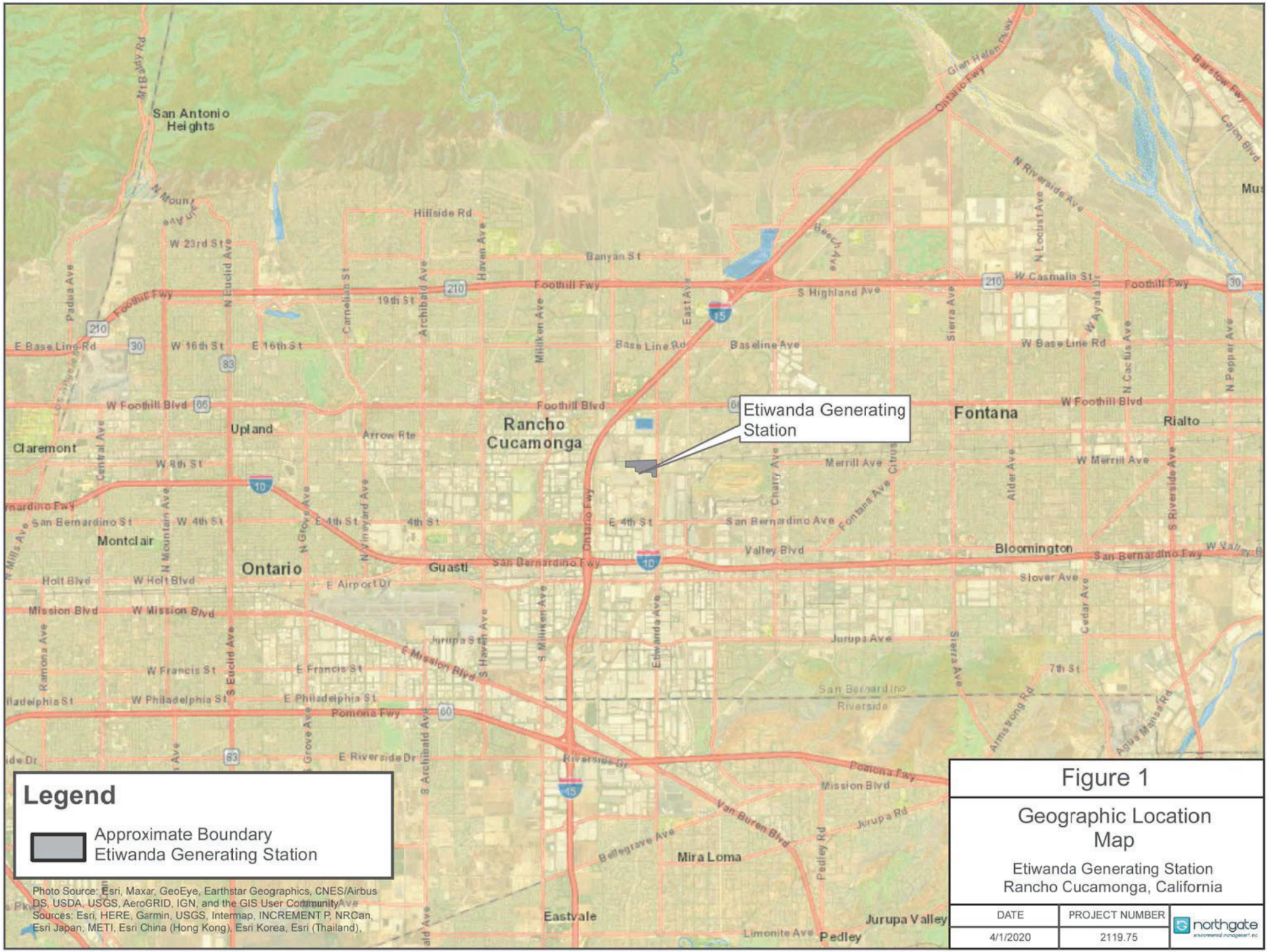


Figure 1

Geographic Location Map

Etiwanda Generating Station
Rancho Cucamonga, California

DATE	PROJECT NUMBER
4/1/2020	2119.75

northgate environmental management, inc.



Site Features

Numbers Correspond to Locations on Map.

Feature.	Feature Name
1	Distillate Tank
2	Former Boiler Chemical Cleaning Basin (Closed)
3	South Retention Basin (Closed)
4	North Retention Basin (Closed)
5	Fueling Station
6	Unit 5 (Peaker)
7	Administration Building
8	Decommisioned RO Equip and Basin
9	Laydown Area
10	Units 1 and 2 Cooling Towers
11	Chadwick Channel
12	Unit 4 Cooling Towers
13	Generating Units 3 & 4
14	Haz Waste Accumulation Area
15	Generating Units 1 & 2
16	Warehouse
17	Maintenance Shop
18	Welding Shop
19	Unit 3 Cooling Towers
20	Capped Natural Gas Easement
21	Cooling Tower Makeup Water Pond
22	Construction and Operations Waste
23	Auxiliary Transformer
24	Sulfuric Acid Tank
25	Units 3/4 Transformer
26	Units 1/2 Transformer
27	Acid Caustic Tanks Area
28	Well Water Storage Tank
29	Distilled Water Tanks
30	Cooling Water Tank
31	Fire House (foam)
32	Fire Water Pumps
33	Sludge Drainage Area
34	Northern Fill
35	Hypochlorite Tank
36	Former Hazardous Waste Area
37	Septic Pits
38	Flumes

NOTE:
Property/Parcel boundaries from County of San Bernardino Geographic Information Services.

Legend

- (23) Site Features (see table)
- Approximate Site Boundary

Adjacent Properties (Parcel Number Shown)

- Southern California Edison
- Inland Empire Utility Agency

0 150 300 600 900 Feet

1 inch = 300 feet
1:3,600

Figure 2

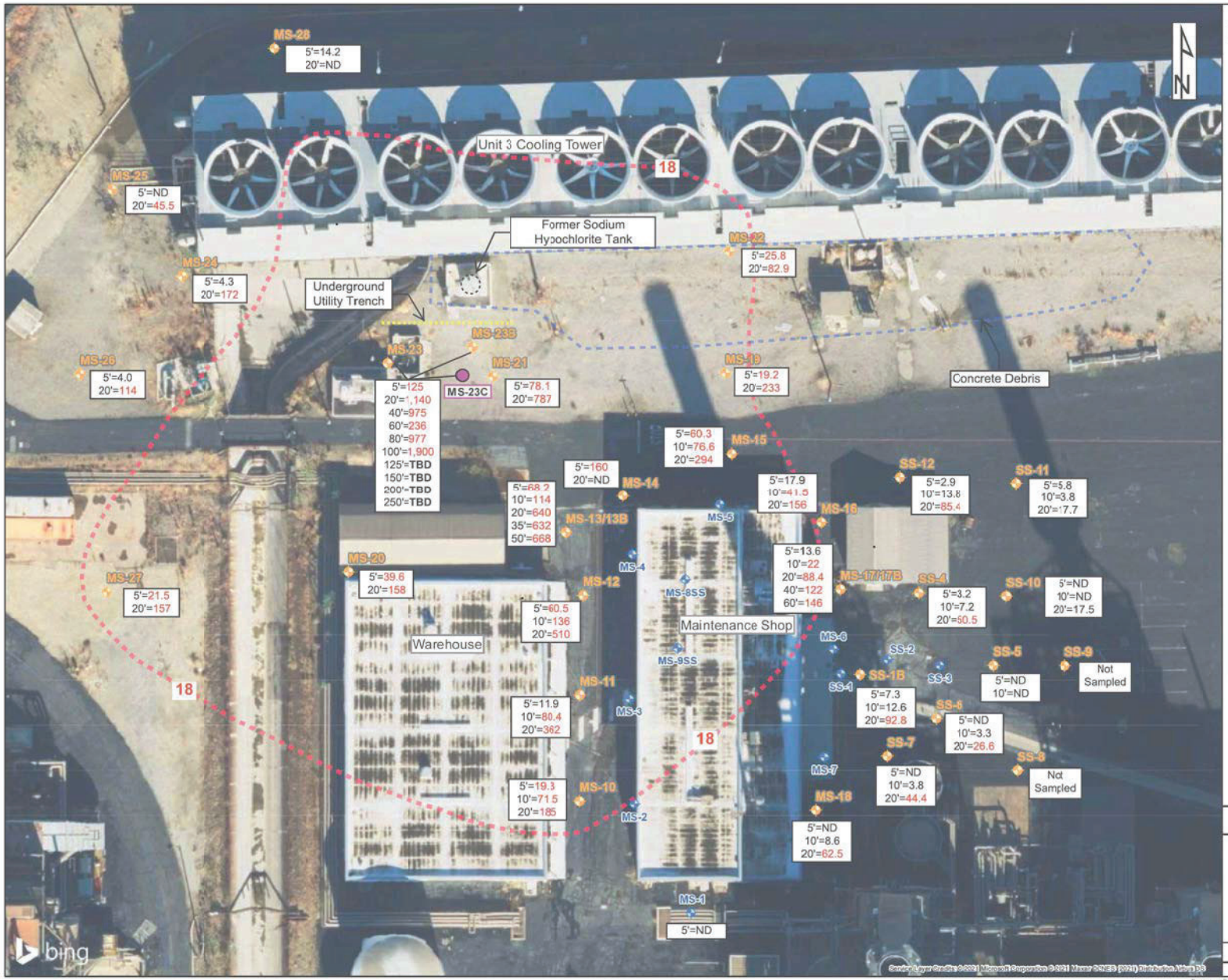
Location Map With Adjacent Properties

Etiwanda Generating Station
Rancho Cucamonga, California

DATE	PROJECT NUMBER
12/2/2021	2119.75

northgate environmental management, inc.

Service Layer Credits: © 2021 Microsoft Corporation © 2021 Maxar ©CNES (2021) Distribution Airbus DS
Document Path: C:\Projects\SCE\Etiwanda\GIS\Map Files\Figure 2_PropBND 021621.mxd



Legend

- ERM/Ardent 2019 Soil Vapor Sample Locations
- Soil Vapor Borings SCE RFI Work Plan (2021)
- Proposed Step-Out/Down Scil Vapor Sample Location
- 18 — Chloroform Isocontour at 5 Feet Below Ground Surface

Notes:
Chloroform concentrations are reported in micrograms per cubic meter (ug/m³) at various sampling depths (feet below ground surface). Concentrations of chloroform exceeding the EPA Regional Screening Level (RSL) of 18 ug/m³ for commercial/ industrial land use are identified in **Red** font (RSL assumes default soil vapor attenuation factor 0.03).

Chloroform RSL when using default attenuation factor 0.001 is 530 ug/m³.

Posted chloroform concentrations represent maximum concentrations where multiple or duplicate samples were collected.

ND: Chloroform was not detected above the laboratory reporting limit of 2 ug/m³.

Feet
0 40 80
1 inch = 40 feet
1:480

Figure 3

Chloroform in Soil Vapor Samples at Maintenance Shop Area

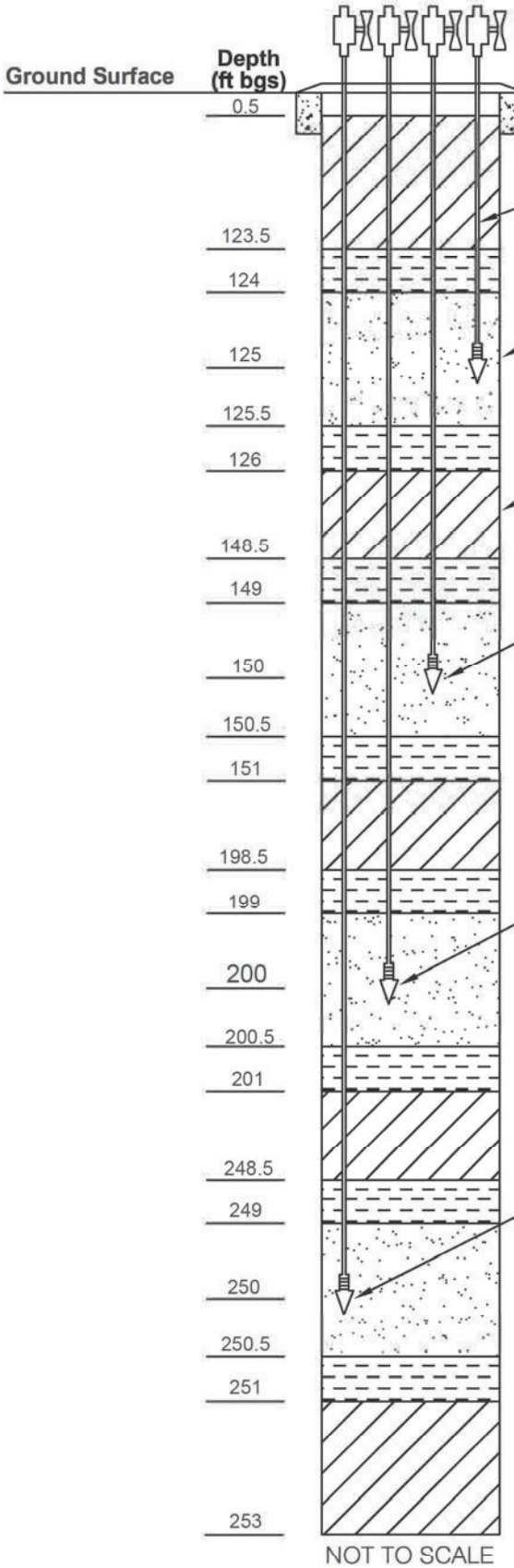
Etiwanda Generating Station
Rancho Cucamonga, California

DATE	PROJECT NUMBER
12/3/2021	2119.75

northgate environmental management, inc.

Document Path: D:\ArcGIS\Packages\SCE Etiwanda\GIS\Map Files\RFI WorkPlan\Figure 11_SamplingLocationsatMain.mxd

D:\Drawing Files\Northgate Environmental_Standard Figures & Forms\Vapor Probe Completion Diagrams 2021-07-12 - 07/15/2021



SURFACE COMPLETION
Well Box Set in Concrete

1/4 " DIA. TUBING
TUBING TYPE Nylaflow

VAPOR PROBE TYPE Stainless Steel Implant
6 " LONG x 7/16 " WIDE
PROBE ID MS-23C-125

8.25 " DIA. BORING

VAPOR PROBE TYPE Stainless Steel Implant
6 " LONG x 7/16 " WIDE
PROBE ID MS-23C-150

VAPOR PROBE TYPE Stainless Steel Implant
6 " LONG x 7/16 " WIDE
PROBE ID MS-23C-200

VAPOR PROBE TYPE Stainless Steel Implant
6 " LONG x 7/16 " WIDE
PROBE ID MS-23C-250

Notes:
- BOREHOLE ID MS-23C
- INSTALLED BY ABC Liovin Drilling
  RIG CME-95 Hollow Stem Auger
- DATE COMPLETED
- DEPTH TO WATER (ft bgs)
- REMARKS:

LEGEND

Hydrated Bentonite Chips
No. 3 Monterey Sand
Dry Granular Bentonite

FIGURE 4
Soil Vapor Probe Construction Detail

Project Name : Etiwanda Generating Station
Location : 8996 Etiwanda Avenue, Rancho Cucamonga, CA

northgate
environmental management, inc.
92 Argonaut, Suite 100
Aliso Viejo, California

Project No. 2119.75.09

SOUTHERN CALIFORNIA EDISON®

An *EDISON INTERNATIONAL®* Company

March 29, 2022
Via E-mail
JRJ20220329-1

Mr. Steve Rounds, P.E.
Hazardous Substances Engineer
Department of Toxic Substances Control
9211 Oakdale Street
Chatsworth, California 91311

SUBJECT: Supplemental Soil Vapor and Groundwater Assessment Technical Memorandum, Etiwanda Generating Station
Rancho Cucamonga, California
Southern California Edison

Dear Mr. Rounds:

A bookmarked electronic copy of the Supplemental Soil Vapor and Groundwater Assessment Technical Memorandum for the Etiwanda Generating Station prepared by Northgate Environmental Management, Inc. (Northgate) is attached for your review and comment. Your expedited review would be greatly appreciated.

If you have any questions regarding this submittal, please contact me at 626.756.6403.

Respectfully yours,

John R. Johnsen
Senior Environmental Science Advisor
Operational Services, Environmental
Services Department

Distribution List:

Steve Rounds - DTSC Chatsworth Office (electronic copy)
Dina Kourda - DTSC Cypress Office (electronic copy and hard copy)
C.Y. Jeng – DTSC Cypress Office (electronic copy)
Maurico Escobar – Roux Inc. (electronic copy)
Matthew Nelson – Roux Inc. (electronic copy)
Lee Paprocki – Northgate (electronic copy)
Rob Lovdahl – Northgate (electronic copy)
John Johnsen – SCE (uploaded to SCE Share Drive)

northgate environmental management, inc.

TECHNICAL MEMORANDUM

From: Rob Lovdahl, PG & Lee Paprocki, PG, CHg
Northgate Environmental Management
92 Argonaut, Suite 100
Aliso Viejo, CA 92656

Date: March 29, 2022

To: Steve Rounds, P.E.
Hazardous Substances Engineer
Site Mitigation and Restoration Program
Department of Toxic Substances Control
9211 Oakdale Avenue, Chatsworth, CA 91311

RE: Supplemental Soil Vapor and Groundwater Assessment
Etiwanda Generating Station (EPA ID No. CAD 079 548 574)
8996 Etiwanda Avenue
Rancho Cucamonga, CA 91739

On behalf of Southern California Edison (SCE), Northgate Environmental Management, Inc. (Northgate) has prepared this Supplemental Soil Vapor and Groundwater Assessment Technical Memorandum (Tech Memo). This Tech Memo describes the procedures for collection and analysis of additional soil vapor samples and a groundwater sample at the former Etiwanda Generating Station (EGS), located at 8996 Etiwanda Avenue in Rancho Cucamonga, California (the Site; see Figure 1) as part of the ongoing Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI). This document has been prepared in response to an email received from the Department of Toxic Substances Control (DTSC) dated February 28, 2022 (included as Attachment A).

1.0 INTRODUCTION

1.1 Background

The EGS was operated by SCE between 1953 and 1998, when the property was sold and subsequently operated by others until approximately 2018. In 2020, the EGS property was purchased by BTC III Etiwanda Commerce Center LP (BTC III) for the purpose of redevelopment as a commercial distribution center (preliminary plans for the future commercial buildings and associated truck loading and parking areas are denoted on Figures 1 and 2). In accordance with RCRA regulations, SCE is tasked with completion of an RFI for Site-wide closure of the property.

Environmental investigation activities associated with the DTSC-approved Revised Final RFI Work Plan have been underway since August 23, 2021 and have been taking place concurrently with EGS demolition activities (Northgate, 2021a[1]; DTSC, 2021a[2]). After completion of the original RFI Work Plan scope, several additional sampling mobilizations have been completed between September 2021 and February 2022 to assist in the lateral and vertical delineation of chemicals of potential concern (COPCs) identified in soil and soil vapor samples at the various Site Features. Soil vapor sampling conducted between August 2021 and February 2022, in accordance with the RFI Work Plan and subsequent Tech Memos dated December 6, 2021[3], February 2, 2022a[4], and March 15, 2022b[5], have identified concentrations of chloroform, carbon tetrachloride, tetrachloroethene (PCE), and 1,1-dichloroethane (1,1-DCA) above United States Environmental Protection Agency (USEPA) Regional Screening Levels (RSLs) and/or DTSC-Modified Screening Levels (DTSC-SLs) for commercial land use. Efforts to delineate these chemicals in soil vapor indicate the chloroform and carbon tetrachloride soil vapor plumes located to north and west of the former warehouse may be related to a former sodium hypochlorite aboveground storage tank (AST). Soil vapor concentration maps for chloroform and carbon tetrachloride are presented in Figures 3 and 4.

Soil vapor sampling conducted in the vicinity of the former sodium hypochlorite AST indicated generally increasing chloroform concentrations from 0 to 100 feet below ground surface (bgs) with a slight decrease and stabilization of concentrations from 100 to 200 feet bgs (see Figure 3 and associated cross sections presented on Figures 3A and 3B). In addition to chloroform, carbon tetrachloride was identified at increasing concentrations with depth up to at least 200 feet bgs (see Figure 4 and associated cross sections presented on Figures 4A and 4B). Based on the elevated volatile organic compound (VOC) concentrations reported in soil vapor at 200 feet bgs, additional soil vapor and groundwater assessment was requested by the DTSC to vertically delineate the COPCs in soil vapor and assess the potential for deep soil vapor concentrations to affect groundwater conditions below the Site (DTSC comments via an email on February 28, 2022 are included as Attachment A).

---

[1] Northgate, 2021a. *Revised Final RCRA Facility Investigation Work Plan,* Etiwanda Generating Station, Rancho Cucamonga, California. July 20, 2021.
[2] DTSC, 2021a. *Approval of Revised Final RFI Work Plan,* SCE Company Etiwanda Generating Station, 8996 Etiwanda Avenue, Rancho Cucamonga. September 29, 2021.
[3] Northgate, 2021b. *Additional RFI Soil Vapor Sampling Technical Memorandum*, Etiwanda Generating Station, Rancho Cucamonga, California. December 6, 2021.
[4] Northgate, 2022a, *Additional RFI Soil Vapor Sampling Technical Memorandum*, Etiwanda Generating Station, Rancho Cucamonga, California. February 2, 2022.
[5] Northgate, 2022b, Soil Vapor Temporal Variability Assessment Technical Memorandum, Etiwanda Generating Station, Rancho Cucamonga, California, March 15, 2022.

For additional information related to Site history and a summary of previous environmental investigation efforts, please refer to the Revised Final RFI Work Plan (Northgate, 2021a).

1.2 Tech Memo Organization

This Tech Memo is organized as follows:

- Section 1: Introduction;
- Section 2: Groundwater Sampling Activities;
- Section 3: Soil Vapor Sampling Activities;
- Section 4: Quality Assurance/Quality Control (QA/QC) Samples;
- Section 5: Schedule;
- Section 6: Closing;
- Figures; and
- Attachments.

2.0 GROUNDWATER SAMPLING ACTIVITIES

2.1 Field Preparation

One (1) deep soil boring, identified as MS-23D, is proposed to obtain a grab groundwater sample and deep soil vapor samples. Site access will be coordinated with the property owner, BTC III, in order to conduct sampling activities. According to the property owner, BTC III, and their contractors performing ongoing demolition operations near, placement options for proposed soil boring MS-23D are limited at this time.

The only available location where soil boring MS-23D can be installed without presenting a conflict with ongoing demolition operations south of Unit 3 Cooling Tower and at Generating Units 1 through 4 is approximately 30 feet north of the former sodium hypochlorite AST, within the footprint of the former Unit 3 Cooling Tower (Figure 2). If a groundwater monitoring well is required at MS-23D, the property owner requests that the monitoring well not be installed within the future commercial building footprint, as shown on Figure 2.

A well permit will be obtained from the San Bernardino County Department of Environmental Health. Underground Service Alert of Southern California (USA) will be notified at least 48 hours prior to any subsurface disturbance.

2.2 Drilling Activities and Grab Groundwater Sampling

All field activities discussed below will be conducted under the direction of a licensed California Professional Geologist or Professional Engineer.

A hand auger will be utilized to clear the upper 5 feet for any underground utilities or obstructions before advancing MS-23D with powered drilling equipment. The soil boring will be advanced using an air rotary casing hammer (ARCH) drilling rig and operated by a California C57-licensed driller. Drilling activities will be overseen by Northgate personnel working under the direction of a licensed California Professional Geologist. The objective of the proposed soil boring is to reach first groundwater, which is estimated to be approximately 425 feet bgs based on historical groundwater monitoring records for the Site (Hamilton, 2012[6]).

In order to maintain the integrity of the borehole while drilling through unconsolidated sediments, 11 ¾-inch inner diameter (ID) steel conductor casing will be advanced simultaneously with the rotary drill bit. Based on drilling conditions, a smaller ID conductor casing, 9 5/8-inch diameter, may be substituted at deeper depths (telescoping method) to maintain adequate soil cuttings removal and general borehole stability.

Drill cuttings will be removed from the borehole by circulating high-velocity air, supplied by an auxiliary air compressor. A representative portion of the drill cuttings will be recovered from the cyclone discharge, located on the side of the drill rig. Soil cuttings will be transferred into a Ziploc® (or similar) resealable plastic bags and logged every 10 feet according to the Unified Soil Classification System (USCS) and screened for VOCs using a handheld photoionization detector (PID) calibrated to 100 parts per million (ppm) of isobutylene.

If soil cuttings indicate physical evidence of contamination including staining, odors, or significant PID readings, an undisturbed soil sample will be collected using a down-hole sampling tool such as a California-modified split spoon sampler and preserved in accordance with USEPA Method 5035 and stored in an ice-filled cooler. Soil samples will be delivered to Eurofins Calscience in Garden Grove, California, under standard chain-of-custody protocol. Soil samples collected for laboratory analysis (if any) will be analyzed for VOCs by USEPA Method 8260B.

All soil cuttings generated during drilling activities will be stored on Site in labeled and secured roll-off bin(s) and/or 55-gallon drums until disposal arrangements can be made.

At a depth of approximately 415 feet bgs, soil cuttings will be recovered and logged every 5 feet until first groundwater is encountered. Upon reaching groundwater, initial field measurements

[6] Hamilton, P., 2012. *Final Annual Groundwater Monitoring Report, Groundwater Detection Monitoring Program with Fourth Quarter 2011 Sampling Data*, Etiwanda Generating Station, 8996 Etiwanda Avenue, Rancho Cucamonga, California 91739, For Southern California Edison, February 15, 2012.

and representative soil and groundwater samples will be collected according to the methods described below:

- Drill tooling including the rotary drill bit and drill rod will be removed from the borehole with the conductor casing remaining in place to secure the borehole;
- Depth to groundwater and total depth of the boring will be measured using an electronic water level sounder (Solinst or equivalent) and recorded on the soil boring log;
- A SimulProbe® sampler will be lowered to the bottom of the boring and driven an additional 2 to 4 feet into the formation for the collection of an undisturbed soil core;
- The SimulProbe® will then be lifted approximately 4 inches to expand the SimulProbe® sampler and allow groundwater to flow into the sampler's onboard water canister;
- The SimulProbe® will remain embedded in the formation for a minimum of 12 hours (i.e., overnight) in order to collect a groundwater sample that is more representative of equilibrium conditions and allow the borehole sidewalls to cool, reducing the potential for a temperature increase in the groundwater sample as the water canister is extracted from the borehole;
- After the minimum 12-hour sample collection is complete, the SimulProbe® water canister will be closed using back pressurization, preventing the escape of VOC's while the SimulProbe® sampler is removed from the borehole;
- Once the SimulProbe® sampler is recovered at the surface, a portion of the groundwater sample will be transferred to laboratory containers (assumed to consist of three 40 milliliter (ml) volatile organic analysis [VOA] glass vials) and placed in an ice-filled cooler; and
- A portion of the soil core recovered using the SimulProbe® sampler will be transferred to pre-preserved laboratory containers in accordance with USEPA Method 5035 protocol and placed in an ice-filled cooler.

The soil and groundwater samples will be transported to Eurofins Calscience in Garden Grove, California, under standard chain-of-custody protocol. The grab groundwater sample will be analyzed for VOCs by USEPA Method 8260B on expedited 24-hour turnaround time. The soil sample collected below the groundwater interface will be logged in accordance with USCS and retained on hold at the laboratory pending the results of the groundwater sample.

Based on the analytical results of the grab groundwater sample from MS-23D, the scope of work will proceed in accordance with one of two conditional scenarios, as defined below.

- **Scenario 1**: If VOC concentrations reported in the grab groundwater sample are below respective California Maximum Contaminant Levels (MCLs), the field crew will grout the saturated portion of the borehole and install nested soil vapor probes in the vadose

zone of the completed soil boring (Scenario 1 details are summarized in Sections 2.3 and 3.1).

- **Scenario 2**: If one or more VOC concentrations reported in the grab groundwater sample exceed respective California MCLs, the field crew will proceed with installation and development of a groundwater monitoring well and installation of nested soil vapor probes in the completed borehole (Scenario 2 details are summarized in Sections 2.4 and 3.2 below).

2.3 Scenario 1: Groundwater Not Impacted with VOCs

2.3.1 Sealing the Saturated Zone

If it is determined that groundwater is not impacted with VOCs above respective MCLs, the saturated zone of soil boring MS-23D will be sealed to mitigate the risk of the borehole being utilized as a conduit for contaminant migration to groundwater. Sealing of the saturated zone within the borehole shall be in general accordance with the California Department of Water Resources (DWR) *Water Well Standards* (DWR,1981[7]; 1991[8]). The methods and materials are described below:

- Sealing material shall consist of Portland cement grout mixed with water and bentonite up to 6 percent by weight of cement used;
- Grout shall be mixed thoroughly to provide uniformity inside a 55-gallon steel drum;
- Grout will be pumped into the borehole and placed using a tremie pipe, which shall be periodically raised until the desired height of grout has been achieved per the proposed well construction for Scenario 1 (Figure 5);
- Segments of conductor casing shall be removed as grout is added to the borehole; and
- Grout seal shall be allowed to set for a minimum of 12 hours (i.e., overnight) prior to proceeding with installation of nested soil vapor probes in the vadose zone (see Section 3.1).

2.4 Scenario 2: Groundwater Impacted with VOCs

2.4.1 Groundwater Monitoring Well Installation

If it is determined that groundwater is impacted with VOCs above respective California MCLs (see Section 2.2), then a groundwater monitoring well, identified as EW-7 (Etiwanda Well #7;

[7] California Department of Water Resources (DWR) Water Well Standards: State of California, Bulletin 74-81. Dated December 1981.
[8] California Department of Water Resources (DWR) California Well Standards, Bulletin 74-90. Dated June 1991.

EW-1 through EW-6 were abandoned in 2012), will be installed within the soil boring at MS-23D. The monitoring well will be installed in general accordance with the California DWR *Water Well Standards* by a C-57 licensed drilling contractor. Well installation activities will be directed by the Northgate geologist working under the direction of a licensed California Professional Geologist.

Groundwater monitoring well casings will consist of 4-inch outer diameter Schedule 80 PVC piping. The well will be screened with 0.020-inch factory slotted casing with a sand pack consisting of Monterey #3 in the annular space. The 30-foot screened interval will extend a minimum of 25 feet below and 5 feet above the observed groundwater water level, as shown in the proposed well construction in Figure 6. The final slotted intervals and well completion depths will be determined based on actual field conditions encountered during drilling. Centralizers shall be attached to the well casing at 50-foot intervals.

All annular materials shall be placed using a tremie pipe. Sections of conductor casing will be removed periodically as well materials are added to the borehole. Figure 6 shows the proposed construction design of the monitoring well with nested soil vapor probes in the vadose zone (details regarding soil vapor probe installation are discussed in Section 3.2).

A locking well cap and 12-inch diameter, flush-mounted well box with the well identification number will be installed at the surface to protect the integrity of the well.

2.4.2 Groundwater Monitoring Well Development

Well development will be conducted no sooner than 72 hours after well installation to allow well seal materials to set. Groundwater monitoring well development will be conducted in general accordance with the DTSC guidance entitled *Well Design and Construction for Monitoring Groundwater at Contaminated Sites*[9] dated June 2014 (DTSC, 2014) and the ASTM D5521/D5521M Standard Guide for Development of Groundwater Monitoring Wells in Granular Aquifers[10] (ASTM, 2013).

A C-57 licensed drilling contractor will complete the well development under the direct supervision of Northgate personnel. Well development is designed to induce a back-and-forth motion of groundwater around the well screen to mobilize fine-grained materials through the well screen into the well and remove fine-grained materials from the well by bailing or pumping.

---

[9] Department of Toxic Substances Control (DTSC) Well Design and Construction of Groundwater at Contaminated Sites. Dated June 2014.

[10] American Society for Testing and Materials (ASTM) Standard Guide for Development of Groundwater Monitoring Wells in Granular Aquifers. Dated July 2018.

Various methods will be used to induce the back-and-forth motion as inducing groundwater movement in only one direction (i.e., only pumping) causes bridging of particles. The back-and-forth motion of the groundwater breaks down bridges and creates a stable filter pack.

Well development will consist of surging and bailing followed by over-pumping. During well development, the preferred technique will be to gradually apply the selected method, increasing intensity as long as the well responds to treatment. The response will be measured by increased yields of water and sediment. The first surging run will be very short so that the driller can judge the amount of sediment entering the screen. Surging will continue for several minutes, and the surge block will be removed from the well and the accumulation of sediment measured. Successive surging runs will be employed over short to increasingly longer periods, keeping records of how quickly sediment enters the screen. When the sediment accumulated at the bottom of the screen begins to block off a portion of the screen, the sediment will be removed by pumping or bailing.

Field documentation of monitoring well development will include but not be limited to the following:

- Date of activities, companies and personnel involved;
- Well identification and location;
- Well construction details;
- Type(s) of equipment used during development;
- Static water level prior to, during, and after development;
- Depth of the well and initial amount of sediment at the bottom of the well'
- Baseline turbidity, turbidity during and after development;
- Volume of water removed, sediment content, color, odor, pH, temperature and electrical conductivity (EC);
- Volume of water added (if added); and
- Time spent developing the monitoring well.

All development water generated during well development will be stored on-Site in labeled and sealed 55-gallon drums or a water-tight tank until disposal arrangements can be made.

2.4.3 Well Survey

A California licensed professional surveyor will survey the location and top-of-casing elevation for the new groundwater monitoring well.

2.4.4 Groundwater Monitoring and Sampling

After the monitoring well has been installed, developed, and equilibrated, a second groundwater sample will be collected to confirm the analytical data from the initial grab groundwater sample. The second groundwater sample from the monitoring well will be collected using a low flow purging technique.

The monitoring well will be equipped with a dedicated Solinst Model 407 (or equivalent) stainless steel bladder pump. The bladder pump has a diameter of 1.66 inches, is about 2 feet in length, and has a bladder capacity of 0.2 liters. Compressed air is supplied to the pump by use of a control box system through tubing (polytetrafluoroethylene [PTFE] or equivalent). The electronic control box system (Solinst or equivalent) will be used to set the flow rate of the bladder pump to between 0.1 and 0.4 liters per minute (l/min) or less depending on groundwater level drawdown within the well.

2.4.4.1 Field Parameter Instrument Calibration

Field parameters including pH, temperature, EC, dissolved oxygen, and turbidity will be monitored in groundwater. A Horiba U50 Series Multi-Probe Instrument equipped with a flow-through cell or a similar multi-parameter instrument or probes may be utilized.

Field parameter monitoring equipment will be calibrated at the beginning of the sampling day. Calibration will be performed per the manufacturers' recommendations for the field instruments used. Should a calibration fall outside of the calibration range, an attempt will be made to re-calibrate. If the equipment fails re-calibration attempts, alternate field parameter monitoring equipment, which passes manufacturers' recommended calibration, will be used.

The field parameter equipment will be decontaminated with non-phosphate soap and distilled water followed by two steps of a distilled water rinse.

2.4.4.2 Water Level Measurement

Prior to purging the monitoring well, depth to groundwater will be measured using an electric water level sounder (Solinst or equivalent). The water level sounder will have units graduated to 0.01 foot. The depth to water will be recorded to the nearest 0.01 foot. The measuring point will

be taken from a mark or scribe notched on the casing, or the north edge of the casing if a mark or scribe is not present on the top of casing. Detailed field procedures are as follows:

1. At the monitoring well location, record the time of measurement;
2. Switch-on the water level meter and check the tone using the small button on the front of the reel;
    a. Lower the probe into the well until the tone and light indicates water has been encountered.
    b. Hold the tape as close as possible to the top of the well casing (at the mark, scribe, or north end) and record the depth reading from the bottom up (from the nearest foot marker within the well plus the fraction indicated at the top of the well casing).
    c. Measure twice. Depth-to-water measurements must be within 0.01 foot.
3. Record the data.

After the depth to groundwater has been recorded, the water level sounder will remain in the well and purging will begin.

2.4.4.3 Groundwater Well Purging – Low Flow Purging Technique

Prior to sampling, the monitoring well will be purged using a low-flow, minimal drawdown purging and sampling technique using the dedicated bladder pump. Low-flow purging is a method that induces laminar (non-turbulent) flow in the immediate vicinity of the sampling pump intake, thus drawing groundwater directly from the aquifer into the sampling device. The goal of the technique is to use low flow rates of 0.1 and 0.4 l/min to minimize the well drawdown to less than 0.3 feet. The goal is to minimize drawdown, volatilization, and disturbance in order to obtain a quality, representative groundwater sample.

Field parameters including temperature, pH, EC, dissolved oxygen, and turbidity will be measured during purging. As indicated above, these parameters will be monitored using a Horiba U50 Series Multi-Probe Instrument equipped with a flow-through cell or a similar multi-parameter instrument or probes may be utilized. Field parameter readings will be recorded every three to five minutes until the values are stable. The criteria for determining groundwater stability for each parameter are as follows: temperature (± 3 percent), pH (± 0.1 units), EC (± 3 percent), dissolved oxygen (± 0.3 mg/l), and turbidity (±10 percent for turbidity values greater than 10 NTU [USEPA, 1996[11]]) for three consecutive readings.

[11] USEPA, 1996. *Low Stress (Low Flow) Purging and Sampling Procedure for the Collection of Ground Water Samples from Monitoring Wells*. USEPA Region 1, Revision 2, July 30, 1996.

2.4.4.4 Sample Collection, Preservation, and Handling

The groundwater sample will be collected immediately after completion of the purging operation. The groundwater sample will be collected in containers supplied by the analytical laboratory and placed in an ice-filled cooler. It is assumed the containers will consist of three 40 ml VOA glass vials preserved with HCl. If the groundwater begins to effervesce within the HCl vial, then unpreserved vials will be used for sample collection, and it will be clearly noted on the chain-of-custody that the sample will need to be analyzed within the seven-day hold time.

A laboratory-provided trip blank sample will be placed in the same iced-filled sample cooler. Samples will be transported to Eurofins Calscience in Garden Grove, California, under standard chain-of-custody protocol. The groundwater sample and trip blank will be analyzed for VOCs by USEPA Method 8260B on a standard turnaround time.

3.0 SOIL VAPOR SAMPLING ACTIVITIES

Soil vapor probes will be installed within MS-23D upon backfilling. The process for soil vapor probe installation in Scenario 1 and Scenario 2 is generally very similar with several minor differences discussed in the following sections.

3.1 Scenario 1: Nested Soil Vapor Probes (No Groundwater Well)

If a groundwater monitoring well is not necessary based upon the analytical results of the grab groundwater sample described in Section 2.2 above, then the saturated section of the borehole will be sealed per the methods described in Section 2.3.1. After sealing the lower portion of the borehole, soil vapor probes MS-23D-250, MS-23D-300, MS-23D-350, and MS-23D-400 will be installed at 250 feet, 300 feet, 350 feet, and 400 feet bgs, respectively, as shown in Figure 5. The final probe installation depths may be altered based on drilling observations or field conditions.

The soil vapor probes will consist of 6-inch long, stainless-steel implants installed at target depths and connected to the surface with ¼-inch Nylaflow tubing. To ensure that the soil vapor probes are installed at the correct depths, each probe and associated tubing shall be affixed to a PVC stinger pipe using plastic zip-ties. The appropriate annular materials will be placed via tremie pipe at the depth intervals shown on Figure 5.

The annular seal utilized between soil vapor probe intervals shall consist of a Portland cement and bentonite grout. The grout's bentonite content will be increased from the standard 6 percent by weight of cement to 10 percent to reduce the rate of heat generation associated with cement hydration to protect the integrity of the Nylaflow tubing. The driller may also add some sand to the grout mixture when approaching the next soil vapor probe installation zone to promote faster

grout setting time and facilitate construction of competent bentonite seals. A 12-inch well box will be installed in concrete at the surface to protect the soil vapor probes.

3.2 Scenario 2: Groundwater Monitoring Well and Nested Soil Vapor Probes

If a groundwater monitoring well EW-7 is installed based on grab groundwater analytical results, per Section 2.2, nested soil vapor probes shall be installed in the vadose zone above EW-7 in a similar fashion to the methods described in Section 3.1. Proposed soil vapor probes MS-23D250, MS-23D-300, MS-23D-350, and MS-23D-400 will be installed at 250 feet, 300 feet, 350 feet, and 400 feet bgs, respectively, as shown in Figure 6. The final probe installation depths may be altered based on drilling observations or field conditions.

The soil vapor probes will consist of 6-inch long, stainless-steel implants installed at target depths and connected to the surface with ¼-inch Nylaflow tubing. To ensure that the soil vapor probes are installed at the correct depths, each probe and associated tubing shall be affixed to the 4-inch well casing for EW-7 (instead of the 1-inch PVC stinger pipe described in Section 3.1). The appropriate annular materials will be placed via tremie pipe at the depth intervals shown on Figure 6. Sections of conductor casing will be removed periodically as well materials are added to the borehole.

The annular seal utilized between soil vapor probe intervals shall consist of a Portland cement and bentonite grout. The grout's bentonite content will be increased from the standard 6 percent by weight of cement to 10 percent to reduce the rate of heat generation associated with cement hydration to protect the integrity of the Nylaflow tubing. The driller may add sand (up to 3 parts sand to 1 part cement) to the last grout batch when approaching the next soil vapor probe installation zone to create a viscous plug at the top of the grout column and facilitate construction of competent bentonite seals. Tubing for each soil vapor probe will be labelled using a color-coded zip-ties. A 12-inch well box will be installed in concrete at the surface to protect soil vapor probes and groundwater monitoring well casing.

3.3 Soil Vapor Purging and Sampling (Scenarios 1 and 2)

Soil vapor probes will be allowed to equilibrate (prior to purging and sampling) for a minimum of one week where ARCH drilling equipment is utilized. Purging and sampling of soil vapor probes will be conducted in general accordance with the *Revised Final RFI Work Plan* and analyzed by USEPA Method 8260B, with a few exceptions as noted below.

Prior to sampling, three well volumes will be purged from each probe to remove stagnant vapors and ensure the soil vapor sample is representative of the surrounding formation. Due to the large

diameter of the borehole (final nominal boring will measure between 9 5/8 and 11 ¾ inches in diameter minus well casing/stinger diameter), soil vapor probes are proposed to be purged at a rate of 500 to 1,000 milliliters per minute (ml/min). It was recently demonstrated that higher soil vapor purge rates greater than the DTSC-recommended 200 ml/min do not appear to significantly affect soil vapor results at the Site (Northgate, 2022b). It should be noted that sample train vacuum readings will be monitored using a magnehelic gauge when evacuating the standard three purge volumes from each soil vapor probe. If a selected purge rate results in increasing vacuum readings, the purge rate will be lowered a low and stable vacuum reading can be achieved.

Following purging, soil vapor samples will be collected in individually certified Summa® canisters and transported to Jones Environmental of Santa Fe Springs, California, under standard chain-of-custody protocol. The soil vapor samples will be analyzed for VOCs via USEPA Method 8260B on a standard turnaround time.

4.0 QUALITY ASSURANCE/QUALITY CONTROL (QA/QC) SAMPLES

Environmental sampling described above will be conducted in general accordance with the Revised Final RFI Work Plan and include the collection of applicable QA/QC samples as follows:

- Field Blank – A field blank will be collected on each day in which soil or groundwater samplings are conducted and analyzed. The field blank(s) will be analyzed for VOCs by USEPA 8260B if corresponding soil and groundwater samples are also analyzed for VOCs.
- Equipment Blank – An equipment blank will be collected when non-dedicated sampling equipment is utilized to collect soil and/or groundwater samples (i.e., SimulProbe® sampler, California modified-split spoon, etc.). The equipment blank(s) will be scheduled for the same analysis as the corresponding soil and groundwater samples.
- Trip Blank – A trip blank will be placed in sample coolers containing environmental samples scheduled for VOC analysis. The trip blank(s) will be analyzed for VOCs by USEPA 8260B if corresponding soil and groundwater samples are also analyzed for VOCs.
- Temperature Blanks – A temperature blank will be placed in each sample cooler to confirm that samples were stored at optimal temperature (generally 4 degrees Celsius or less) prior to receipt by the laboratory.

- Field Duplicates – Field duplicates shall be collected at a rate of 1 per 10 soil/groundwater samples (10%) and 1 per 20 (5%) for soil vapor samples. Field duplicates will be scheduled for the same analysis as the corresponding primary samples.

5.0 SCHEDULE

The proposed drilling and sampling activities associated with this Tech Memo will be conducted following DTSC approval. The anticipated Tech Memo implementation schedule is summarized below:

- DTSC review and approval of the Tech Memo: 2 weeks.
- Receive approved well permit from San Bernardino County: 3 weeks.
- Drilling and analysis of grab groundwater sample: 1.5 weeks.

Scenario 1: Groundwater Not Impacted with VOCs:

- Seal saturated zone of soil boring and install soil vapor probes: 2 days.
- Soil vapor probe equilibration time: 1 week.
- Purge and sample soil vapor probes: 1 day.

Scenario 2: Groundwater Impacted with VOCs:

- Install Monitoring Well EW-7 and nested soil vapor probes: 2 days.
- EW-7 well development: 4 days after installation (includes well seal setting time of 72 hours).
- Collect groundwater and soil vapor samples: 7 days after installation (includes equilibration time of soil vapor probes of 1 week).

The DTSC will be notified of the scheduled field dates and activities at least two weeks prior to mobilization. Any changes to the field schedule will be communicated to DTSC as soon as possible.

6.0 CLOSING

Results from the supplemental RFI sampling discussed in this Tech Memo will be included as part of the RFI Report for the Site. Preliminary results of groundwater and soil vapor sampling will also be shared with DTSC to discuss next steps for completion of the Site investigation.

If you should have any questions regarding the proposed scope of work or require additional information, please do not hesitate to contact us.

This Technical Memorandum was prepared by:



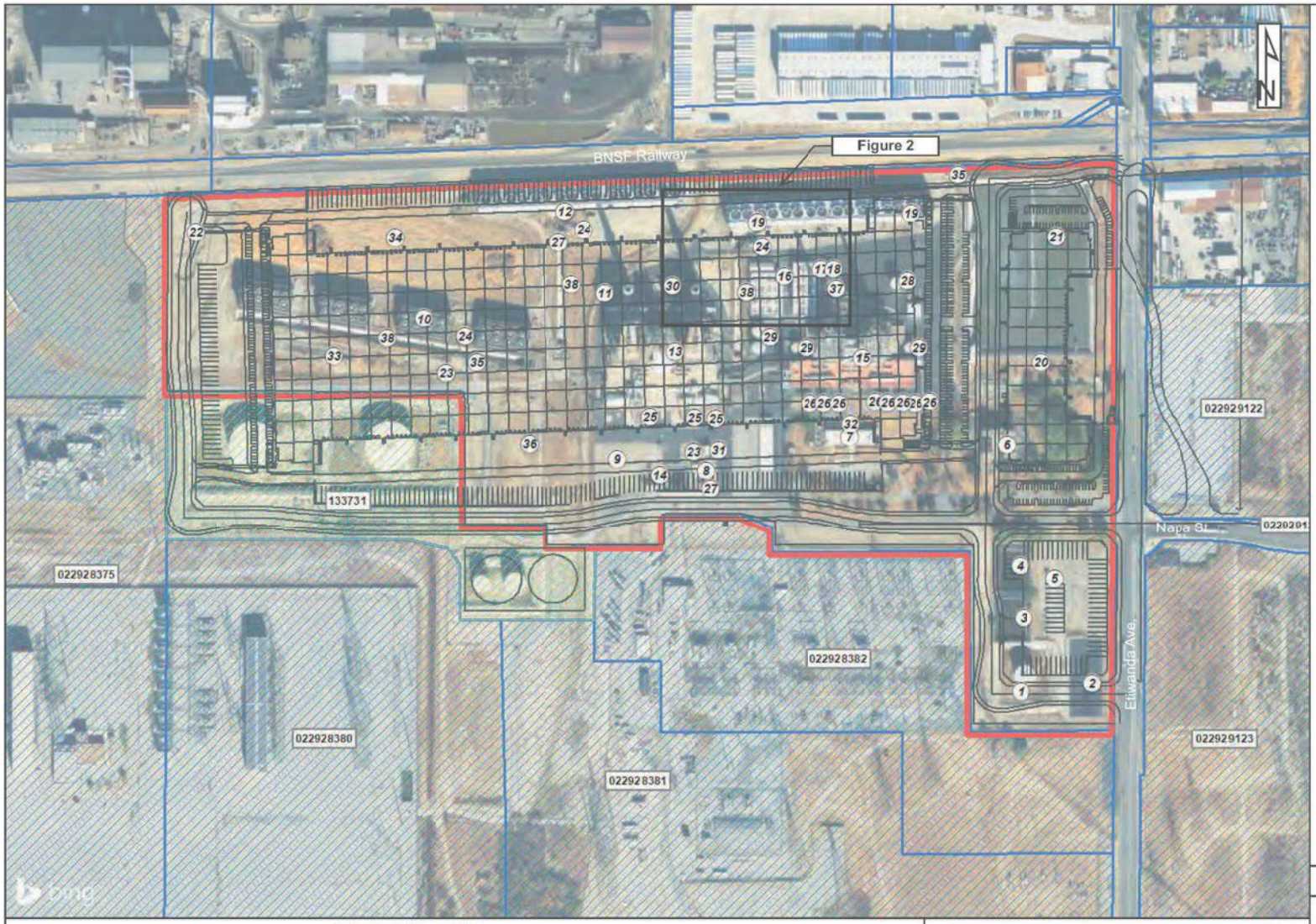
Lee Paprocki, PG, CHg
Associate Hydrogeologist
Northgate Environmental Management, Inc.
lee.paprocki@ngem.com
(714) 336-3843

Rob Lovdahl, PG
Senior Geologist
Northgate Environmental Management, Inc.
rob.lovdahl@ngem.com
(562) 673-0983

Attachments:
Figure 1 – Location Map with Adjacent Properties
Figure 2 – Sampling Locations at Maintenance Shop Area
Figure 3 – Chloroform in Soil Vapor at Maintenance Shop Area
Figure 3A – Geologic Cross-Section A-A' with Chloroform Concentrations
Figure 3B – Geologic Cross-Section B-B' with Chloroform Concentrations
Figure 4 – Carbon Tetrachloride in Soil Vapor at Maintenance Shop Area
Figure 4A – Geologic Cross-Section A-A' with Carbon Tetrachloride Concentrations
Figure 4B – Geologic Cross-Section B-B' with Carbon Tetrachloride Concentrations
Figure 5 – Scenario 1 Proposed Well Construction
Figure 6 – Scenario 2 Proposed Well Construction
Attachment A – DTSC Comments via Email dated February 28, 2022

cc:
Dina Kourda, DTSC
CY Jeng, DTSC
John Johnsen, SCE
Mauricio Escobar, Roux, Inc.
Matthew Nelson, Roux, Inc.

FIGURES



Site Features

Numbers Correspond to Locations on Map.

Feature.	Feature Name
1	Distillate Tank
2	Former Boiler Chemical Cleaning Basin (Closed)
3	South Retention Basin (Closed)
4	North Retention Basin (Closed)
5	Fueling Station
6	Unit 5 (Peaker)
7	Administration Building
8	Decommisioned RO Equip and Basin
9	Laydown Area
10	Units 1 and 2 Cooling Towers
11	Chadwick Channel
12	Unit 4 Cooling Towers
13	Generating Units 3 & 4
14	Haz Waste Accumulation Area
15	Generating Units 1 & 2
16	Warehouse
17	Maintenance Shop
18	Welding Shop
19	Unit 3 Cooling Towers
20	Capped Natural Gas Easment
21	Cooling Tower Makeup Water Pond
22	Construction and Operations Waste
23	Auxiliary Transformer
24	Sulfuric Acid Tank
25	Units 3/4 Transformer
26	Units 1/2 Transformer
27	Acid Caustic Tanks Area
28	Well Water Storage Tank
29	Distilled Water Tanks
30	Cooling Water Tank
31	Fire House (foam)
32	Fire Water Pumps
33	Sludge Drainage Area
34	Northern Fill
35	Hypochlorite Tank
36	Former Hazardous Waste Area
37	Septic Pits
38	Flumes

NOTE:
Property/Parcel boundaries from County of San Bernardino Geographic Information Services. Preliminary Future Commercial Site Plan Features are based on Preliminary Site Plan - Scheme 6.20 drafted by RGA and dated August 19, 2021.

Legend

- (23) Site Features (see table)
- Approximate Site Boundary
- Adjacent Properties (Parcel Number Shown)
- Southern California Edison
- Inland Empire Utility Agency
- Preliminary Future Commercial Site Plan Features

0 150 300 600 900 Feet

1 inch = 300 feet
1:3,600

Figure 1

Location Map With Adjacent Properties

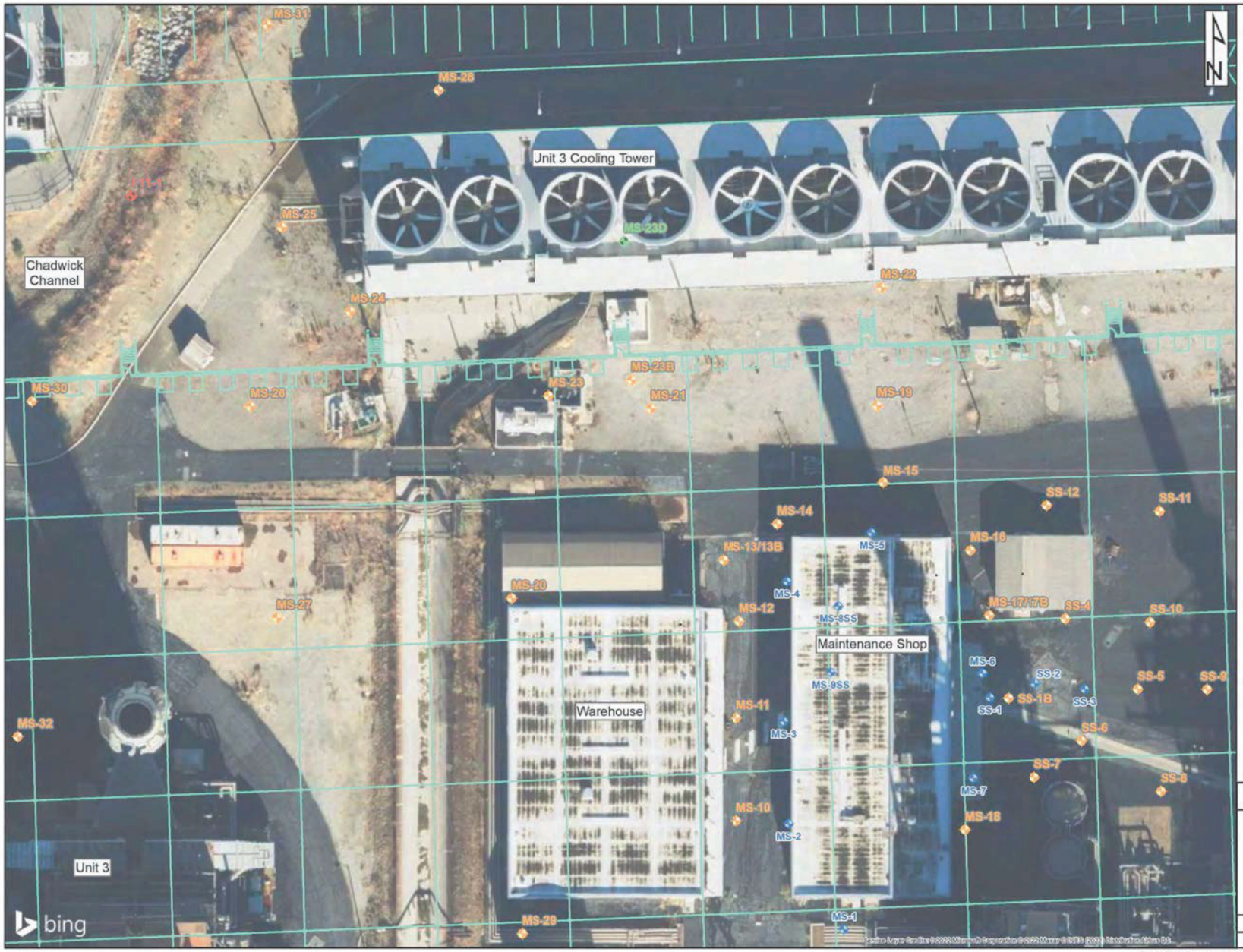
Etiwanda Generating Station
Rancho Cucamonga, California

DATE	PROJECT NUMBER
3/10/2022	2169.09

northgate environmental management, inc.

Service Layer Credits: © 2022 Microsoft Corporation © 2022 Maxar ©CNES (2022) Distribution Airbus DS

Document Path: M:\ArcGIS\Packages\SCE Etiwanda\GIS\Map Files\Figure 2_PropBND_0322.mxd



Legend

- ERM/Ardent 2019 Soil Vapor Sample Locations
- Soil Vapor Borings SCE RFI Work Plan
- Soil Borings SCE RFI Work Plan
- Proposed Groundwater and Soil Vapor Boring
- Future Site Redevelopment Features (Preliminary)

Note: Future Site Redevelopment Features based on Preliminary Site Plan - Scheme 6.20 drafted by RGA and dated August 19, 2021

0 40 80 Feet

1 inch = 40 feet
1:480

Figure 2

Sampling Locations at Maintenance Shop Area

Etiwanda Generating Station
Rancho Cucamonga, California

DATE	PROJECT NUMBER
3/24/2022	2119.75

northgate environmental management, inc.

Document Path: M:\ArcGIS\Packages\SCE Etiwanda\GIS\Map Files\RFI Work Plan\Figure 11_SamplingLocationsatMain_rev2.mxd



Legend

- ERM/Ardent 2019 Soil Vapor Sample Locations
- Soil Vapor Borings SCE RFI Work Plan
- Soil Borings SCE RFI Work Plan
- Proposed Groundwater and Soil Vapor Boring
- 800 Chloroform Isocontour at 20 Feet Below Ground Surface
- Line of Cross-Section

Notes:

Chloroform concentrations are reported in micrograms per cubic meter (ug/m³) at various sampling depths (feet below ground surface). Concentrations of chloroform exceeding the EPA Regional Screening Level (RSL) of 18 ug/m³ for commercial/industrial land use are identified in **Red** font (RSL assumes default soil vapor attenuation factor 0.03).

Chloroform RSL when using default attenuation factor 0.001 is 530 ug/m³.

Posted chloroform concentrations represent maximum concentrations where multiple or duplicate samples were collected.

ND: Chloroform was not detected above the laboratory reporting limit (generally 2 ug/m³).

0 40 80 Feet

1 inch = 40 feet
1:480

Figure 3

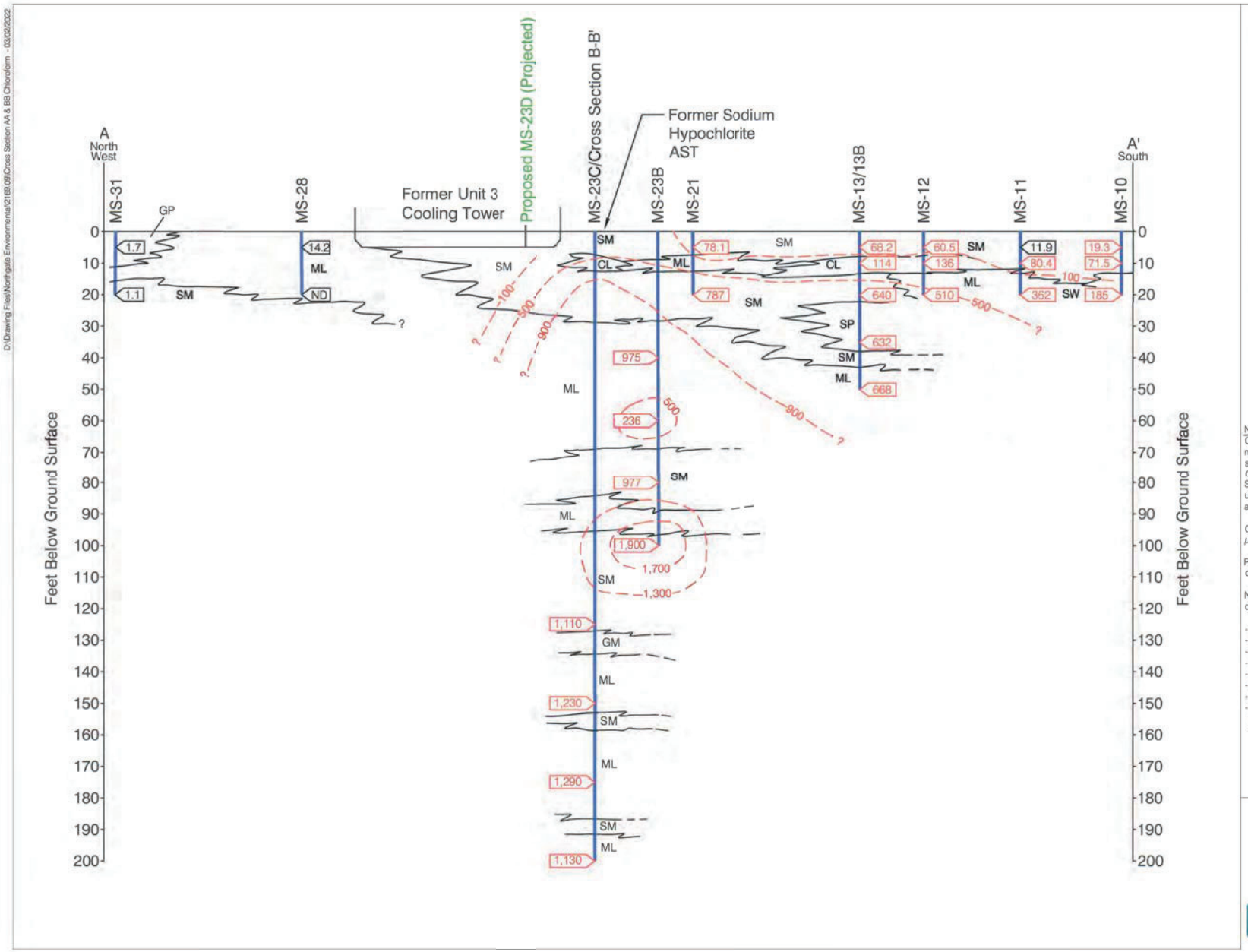
Chloroform in Soil Vapor at Maintenance Shop Area

Etiwanda Generating Station
Rancho Cucamonga, California

DATE	PROJECT NUMBER
3/24/2022	2119.75

northgate environmental management, inc.

Document Path: D:\ArcGIS\Packages\SCE Etiwanda\GIS\Map Files\RFI WorkPlan\Figure 11_SamplingLocationsatMain.mxd



LEGEND

- Soil Boring
- 11.9 Chloroform Concentration below 18 $\mu g/m^3$
- 19.3 Chloroform Concentration Above 18 $\mu g/m^3$
- 100 Chloroform Isoconcentration in $\mu g/m^3$

VERTICAL SCALE: 60 FEET, 30, 0

HORIZONTAL SCALE: 0, 40, 80 FEET

Notes

Chloroform concentrations are reported in micrograms per cubic meter ($\mu g/m^3$) at various sampling depths (feet below ground surface).

Concentrations of chloroform exceeding the EPA Regional Screening Level (RSL) of 18 $\mu g/m^3$ for commercial/industrial land use are identified in Red font (RSL assumes default soil vapor attenuation factor 0.03).

Chloroform RSL when using default attenuation factor 0.001 is 530 $\mu g/m^3$.

Posted chloroform concentrations represent maximum concentrations where multiple or duplicate samples are collected.

ND: Chloroform was not detected above laboratory reporting limit of 2 $\mu g/m^3$.

- CL - Low Plasticity Clay
- ML - Low Plasticity Silt
- SM - Silty Sand
- SP - Poorly-Graded Sand
- SW - Well-Graded Sand
- GM - Silty Gravel
- GP - Poorly-Graded Gravel
- Base Map Sources:
  Northgate Environmental Management, Ediwanda Gererating Station, Figure 11A, 2/14/2022

FIGURE 3A
Geologic Cross-Section A-A'
With Chloroform Concentrations

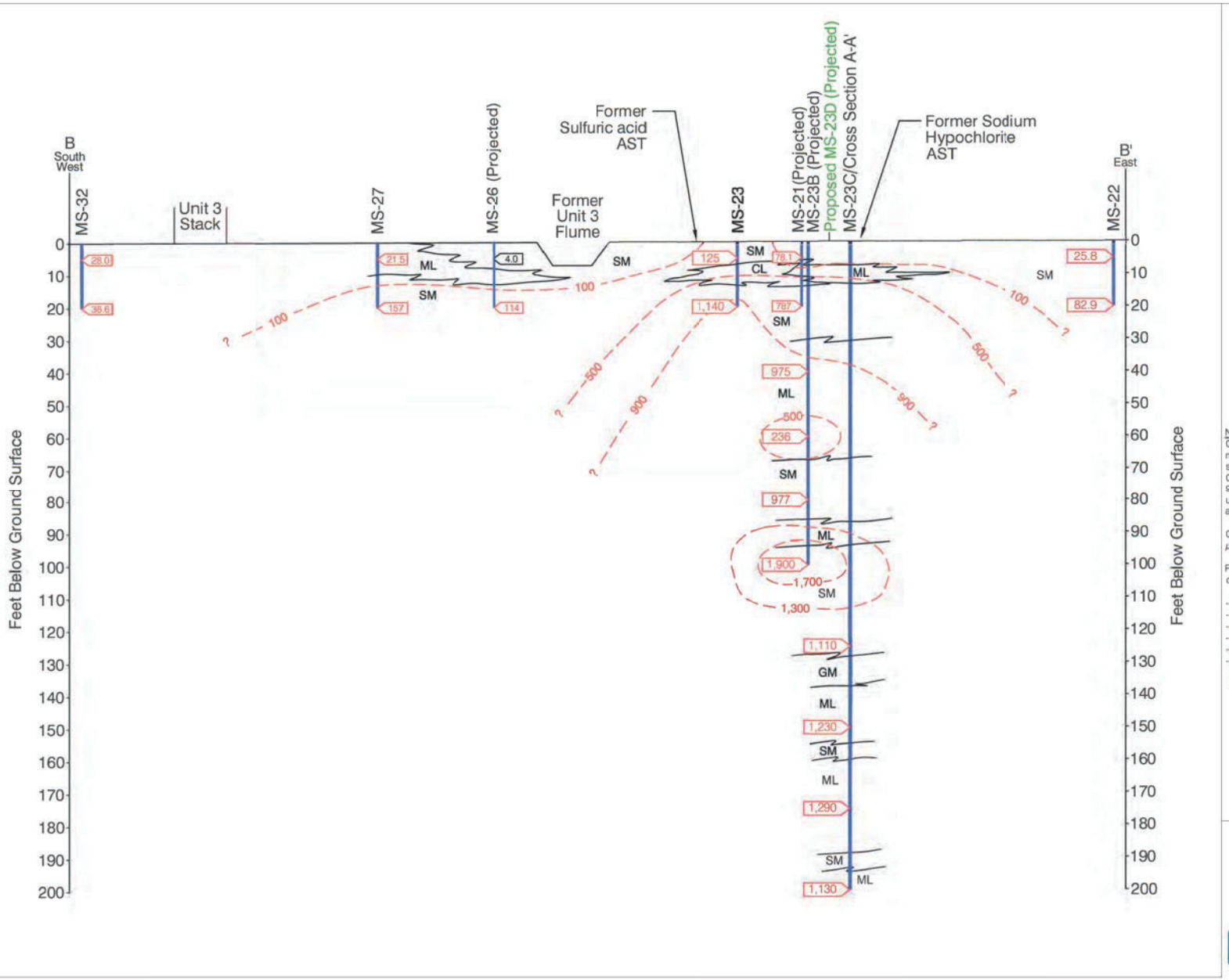
Etiwanda Generating Station
8996 Etiwanda Ave, Rancho Cucamonga, California

northgate environmental management, inc.

2119.75

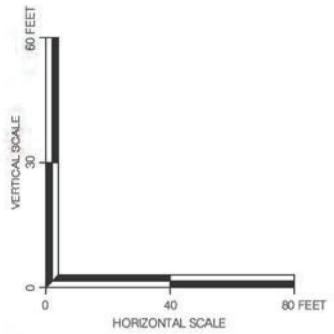
D:\Drawing Files\Northgate Environmental\2119.09\Cross Section AA & BB Chloroform - 03/02/2022

D:\Drawing Files\Northgate Environmental\2119.09\Cross Section AA & BB Chloroform - 03/02/2022



LEGEND

- Soil Boring
- 11.9 Chloroform Concentration below 18 $\mu g/m^3$
- 19.3 Chloroform Concentration Above 18 $\mu g/m^3$
- 100 Chloroform Isoconcentration in $\mu g/m^3$



Notes:

Chloroform concentrations are reported in micrograms per cubic meter ($\mu g/m^3$) at various sampling depths (feet below ground surface).

Concentrations of chloroform exceeding the EPA Regional Screening Level (RSL) of 18 $\mu g/m^3$ for commercial/industrial land use are identified in Red font (RSL assumes default soil vapor attenuation factor 0.03).

Chloroform RSL when using default attenuation factor 0.001 is 530 $\mu g/m^3$.

Posted chloroform concentrations represent maximum concentrations where multiple or duplicate samples are collected.

- CL - Low Plasticity Clay
- ML - Low Plasticity Silt
- SM - Silty Sand
- GM - Silty Gravel

-

- Base Map Sources:
  Northgate Environmental Management, Edwanda Generating Station, Figure 11A, 2/14/2022

FIGURE 3B
Geologic Cross-Section B-B'
With Chloroform Concentrations

Etiwanda Generating Station
8996 Etiwanda Ave, Rancho Cucamonga, California

northgate environmental management, inc.

2119.75



Legend

- ERM/Ardent 2019 Soil Vapor Sample Locations
- Soil Vapor Borings SCE RFI Work Plan
- Soil Borings SCE RFI Work Plan
- Proposed Groundwater and Soil Vapor Boring
- 100 Carbon Tetrachloride Isocontour at 20 Feet Below Ground Surface
- Line of Cross-Section

Notes:

Carbon Tetrachloride concentrations are reported in micrograms per cubic meter (ug/m³) at various sampling depths (feet below ground surface). Concentrations of carbon tetrachloride exceeding the EPA Regional Screening Level (RSL) of 67 ug/m³ for commercial/industrial land use are identified in Red font (RSL assumes default soil vapor attenuation factor 0.03).

Carbon tetrachloride RSL when using default attenuation factor 0.001 is 2,000 ug/m³.

Posted carbon tetrachloride concentrations represent maximum concentrations where multiple or duplicate samples were collected.

ND: Carbon Tetrachloride was not detected above the laboratory reporting limit of 1 ug/m³.

0 40 80 Feet

1 inch = 40 feet
1:480

Figure 4

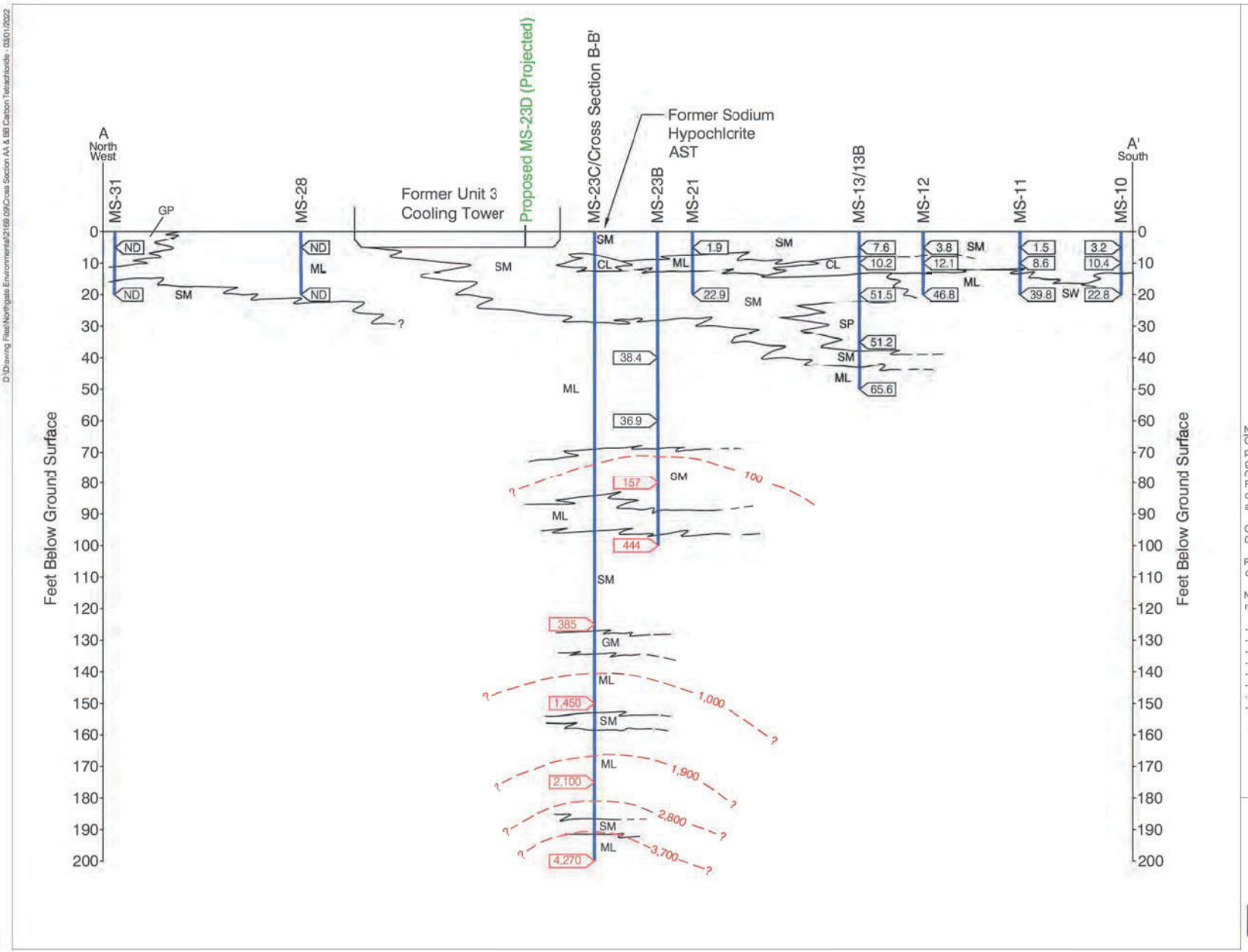
Carbon Tetrachloride in Soil Vapor at Maintenance Shop Area

Etiwanda Generating Station
Rancho Cucamonga, California

DATE	PROJECT NUMBER	
3/24/2022	2119.75	northgate

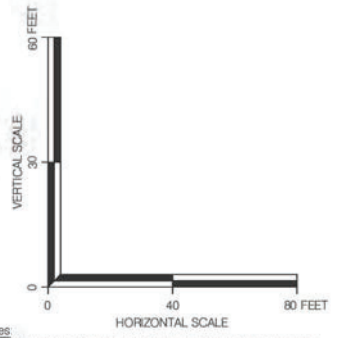
Document Path: D:\ArcGIS\Packages\SCE Etiwanda\GIS\Map Files\RFI WorkPlan\Figure 11_SamplingLocationsatMain.mxd

D:\Drawing Files\Northgate Environmental\2169.09\Cross Section AA & BB Carbon Tetrachloride - 03/01/2022



LEGEND

- Soil Boring
- 10.4 — Carbon Tetrachloride Concentration below 67 µg/m³
- 157 — Carbon Tetrachloride Concentration Above 67 µg/m³
- 100 — Carbon Tetrachloride Isoconcentration in µg/m³



Notes

Carbon Tetrachloride concentrations are reported in micrograms per cubic meter (µg/m³) at various sampling depths (fee: below ground surface).

Concentrations of carbon tetrachloride exceeding the EPA Regional Screening Level (RSL) of 67 µg/m³ for commercial/industrial land use are identified in Red font (RSL assumes default soil vapor attenuation factor 0.03).

Carbon tetrachloride RSL when using default attenuation factor 0.001 is 2,000 µg/m³.

Posted carbon tetrachloride concentrations represent maximum concentrations where multiple or duplicate samples are collected.

ND: Carbon Tetrachloride was not detected above laboratory reporting limit of 1 µg/m³.

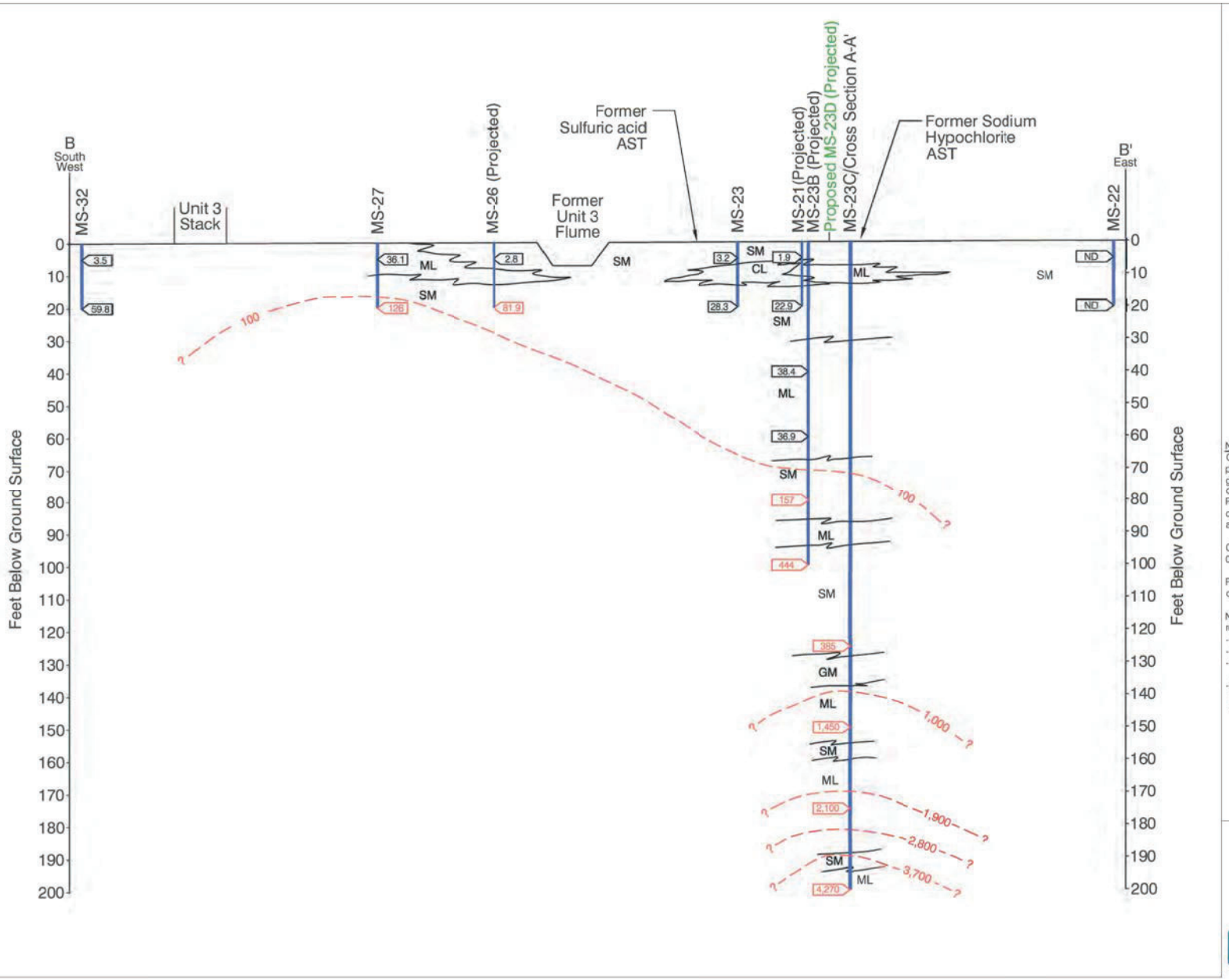
- CL - Low Plasticity Clay
- ML - Low Plasticity Silt
- SM - Silty Sand
- SP - Poorly-Graded Sand
- SW - Well-Graded Sand
- GM - Silty Gravel
- GP - Poorly-Graded Gravel
- Base Map Sources:
  Northgate Environmental Management, Ediwanda Gererating Station, Figure 11C, 2/14/2022

FIGURE 4A
Geologic Cross-Section A-A' With Carbon Tetrachloride Concentrations
Etiwanda Generating Station
8996 Etiwanda Ave, Rancho Cucamonga, California

northgate environmental management, inc.

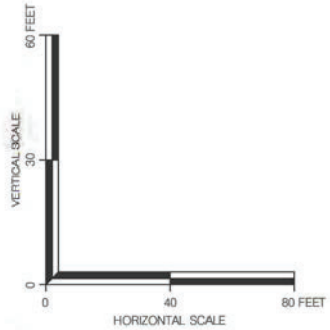
2119.75

D:\Drawing Files\Northgate Environmental\2169.09\Cross Section AA & BB Carbon Tetrachloride - 03/01/2022



LEGEND

- Soil Boring
- 22.9 — Carbon Tetrachloride Concentration below 67 µg/m³
- 157 — Carbon Tetrachloride Concentration Above 67 µg/m³
- 100 — Carbon Tetrachloride Isoconcentration in µg/m³



Notes

Carbon Tetrachloride concentrations are reported in micrograms per cubic meter (µg/m³) at various sampling depths (feet below ground surface).

Concentrations of carbon tetrachloride exceeding the EPA Regional Screening Level (RSL) of 67 µg/m³ for commercial/industrial land use are identified in Red font (RSL assumes default soil vapor attenuation factor 0.03).

Carbon tetrachloride RSL when using default attenuation factor 0.001 is 2,000 µg/m³.

Posted carbon tetrachloride concentrations represent maximum concentrations where multiple or duplicate samples are collected.

ND: Carbon Tetrachloride was not detected above laboratory reporting limit of 1 µg/m³.

- CL - Low Plasticity Clay
- ML - Low Plasticity Silt
- SM - Silty Sand

- Base Map Sources:
  Northgate Environmental Management, Ediwanda Generating Station, Figure 11A, 2/14/2022

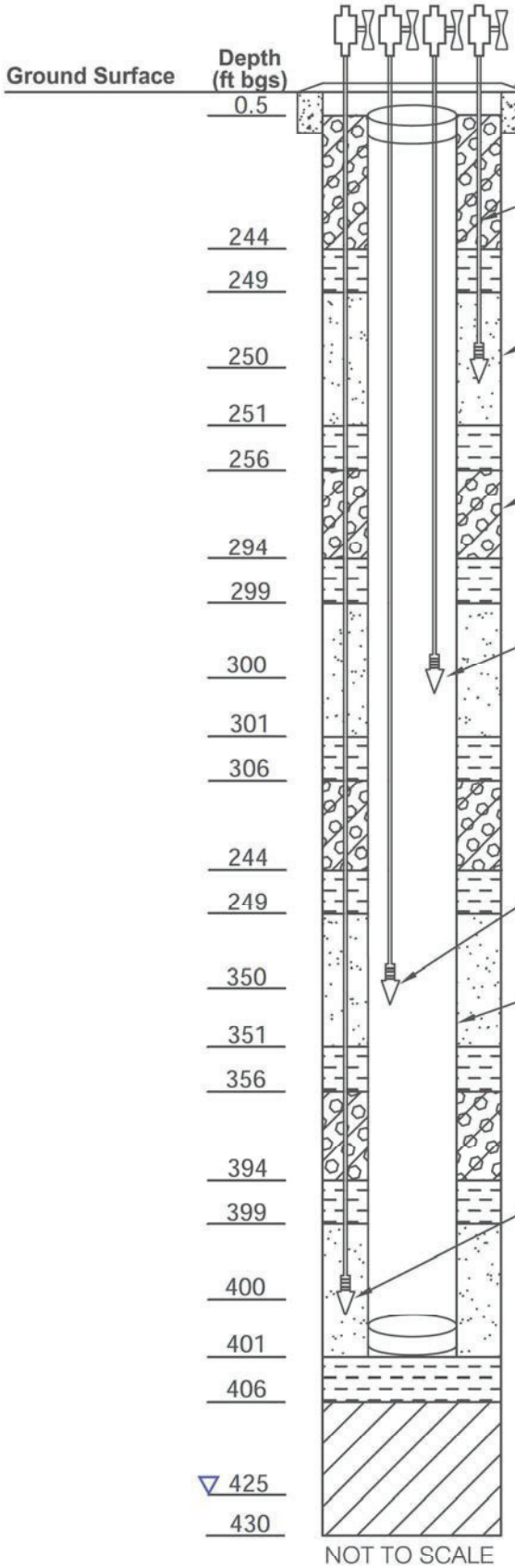
FIGURE 4B
Geologic Cross-Section B-B' With Carbon Tetrachloride Concentrations
Etiwanda Generating Station
8996 Etiwanda Ave, Rancho Cucamonga, California

northgate environmental management, inc.

2119.75

D:\Drawing Files\Northgate Environmental_Standard Figures & Forms\Vapor Prcbe Completion Diagrams 2022-03-18 - 03/23/2022

SCENARIO #1



SURFACE COMPLETION 12-Inch Well Box Set in Concrete

1/4 " DIA. TUBING
TUBING TYPE Nylaflow

VAPOR PROBE TYPE Stainless Steel Implant
6 " LONG x 7/16 " WIDE
PROBE ID MS-23D-250

11 3/4" DIA. BORING
(Nominal 11 3/4" diameter boring may be telescoped to 9 5/8" depending on drilling conditions)

VAPOR PROBE TYPE Stainless Steel Implant
6 " LONG x 7/16 " WIDE
PROBE ID MS-23D-300

VAPOR PROBE TYPE Stainless Steel Implant
6 " LONG x 7/16 " WIDE
PROBE ID MS-23D-350

1 " DIA. VAPOR BORING PROBE
ATTACMENT STINGER
STINGER TYPE Sch. 80 PVC

VAPOR PROBE TYPE Stainless Steel Implant
6 " LONG x 7/16 " WIDE
PROBE ID MS-23D-400

Notes:
- BOREHOLE ID MS-23D
- INSTALLED BY
- RIG Air Rotary Casing Hammer (ARCH)
- DATE COMPLETED
- DEPTH TO WATER (ft bgs) Anticipated at 425' bgs
- REMARKS: Soil vapor probe attachment stinger will be capped at both ends and soil vapor probes will be secured to the outside of the stinger pipe.

LEGEND

- Cement Grout with 6% Bentonite
- No. 3 Monterey Sand
- Concrete
- Bentonite Seal (1' Granular & Hydrated Chips)
- Cement Grout with 10% Bentonite

FIGURE 5

Scenario 1 Proposed Well Construction

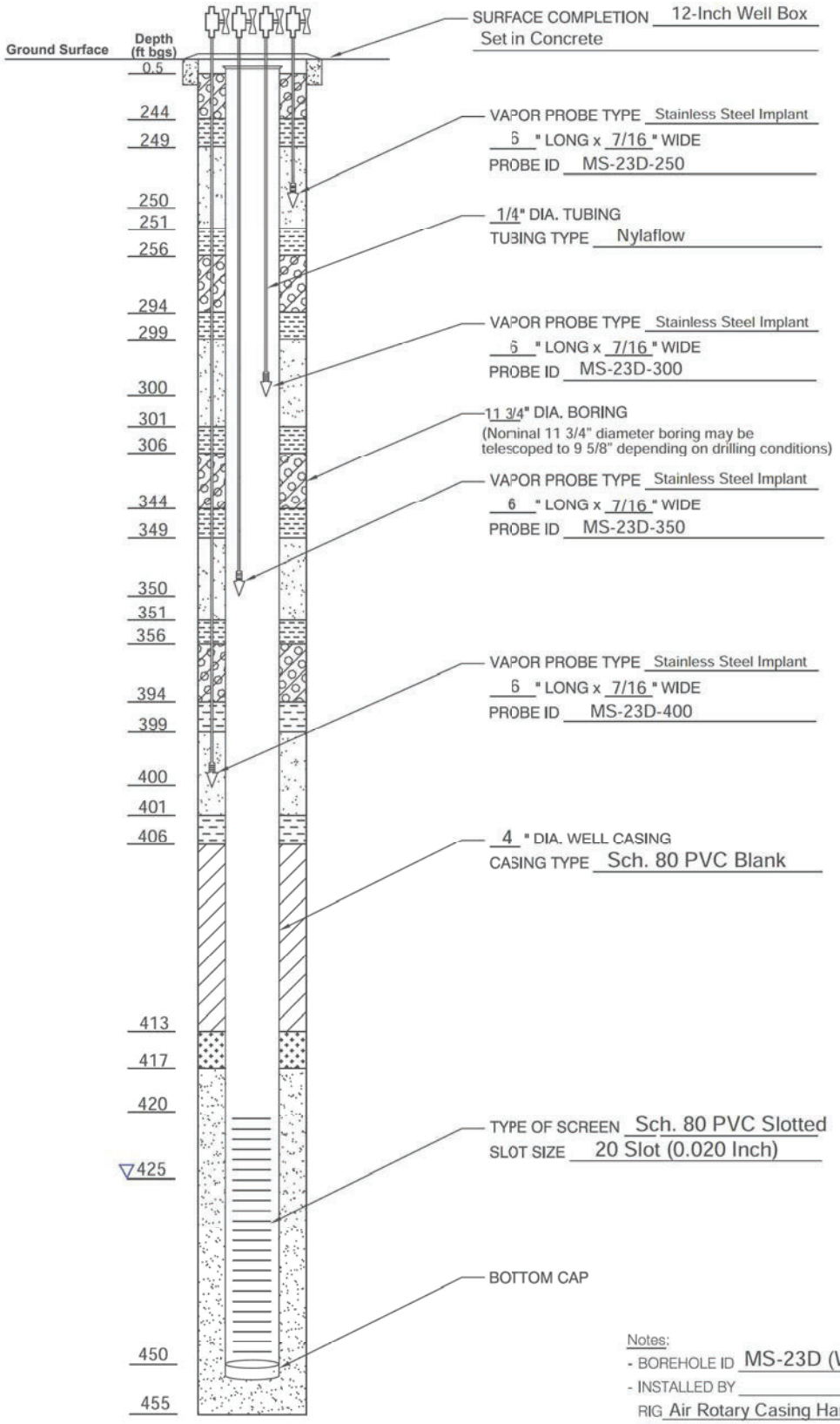
Etiwanda Generating Station
Rancho Cucamonga, California

northgate environmental management, inc.
92 Argonaut, Suite 100
Aliso Viejo, California

Project No. 2119.75

D:\Drawing Files\Northgate Environmental_Standard Figures & Forms\Vapor Probe Completion Diagrams 2022-03-18 - 03/23/2022

SCENARIO #2



NOT TO SCALE

Notes:
- BOREHOLE ID MS-23D (Well ID: EW-7)
- INSTALLED BY
  RIG Air Rotary Casing Hammer (ARCH)
- DATE COMPLETED
- DEPTH TO WATER (ft bgs) Anticipated at 425' bgs
- REMARKS: Soil vapor probes will be secured to the outside of the PVC well casing. Well centralizers will be installed every 50 feet.

LEGEND

Cement Grout with 6% Bentonite
No. 3 Monterey Sand
Concrete
Cement Grout with 10% Bentonite
Bentonite Seal (1' Dry Granular & Hydrated Chips)
Hydrated Bentonite Chips

FIGURE 6
Scenario 2 Proposed Well Construction
Etiwanda Generating Station
Rancho Cucamonga, California

northgate environmental management, inc.
92 Argonaut, Suite 100
Aliso Viejo, California

Project No. 2119.75

ATTACHMENT A

DTSC Comments via Email dated February 28, 2022

Rob Lovdahl

From: Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>
Sent: Monday, February 28, 2022 1:36 PM
To: john.johnsen; Lee Paprocki; Rob Lovdahl
Cc: Plaza, Allan@DTSC; Kourda, Dina@DTSC; Jeng, Cy@DTSC
Subject: FW: Etiwanda Generating Station - Soil Vapor Data Submittal
Attachments: Etiwanda_Draft Soil Vapor Contour Figures_1.19.22_print.pdf; Table 7-VOCs in Soil Vapor_Draft.pdf; Etiwanda Table 7 - Soil Vapor Results.xlsx; Boring Logs and SVP Construction MS-23,B,C.pdf

Importance: High

John,

I am forwarding these comments from Dina regarding the Soil Vapor Data Submittal that was sent to DTSC on Jan. 19. I concur with Dina's comments and would recommend an initial deep boring for multi-depth soil vapor probe installation AND a grab groundwater sample near the former Sodium Hypochlorite tank. Thank you.

Steve Rounds, P.E.
Hazardous Substances Engineer
Site Mitigation and Restoration Program
Chatsworth Office
818-717-6602
Steven.Rounds@dtsc.ca.gov
Department of Toxic Substances Control
9211 Oakdale Avenue, Chatsworth, California 91311
California Environmental Protection Agency

DTSC Department of Toxic Substances Control CalEPA California Environmental Protection Agency

From: Kourda, Dina@DTSC <Dina.Kourda@dtsc.ca.gov>
Sent: Monday, February 28, 2022 12:05 PM
To: Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>
Cc: Jeng, Cy@DTSC <Cy.Jeng@dtsc.ca.gov>
Subject: FW: Etiwanda Generating Station - Soil Vapor Data Submittal

Hi Steven,

Based on our conversation during the project meeting today, I would recommend an initial deep boring for multi-depth soil vapor probe installation AND a grab groundwater sample near the former carbon tetrachloride AST. Should the groundwater be impacted with carbon tetrachloride and/or chloroform, GSB will recommend a permanent groundwater monitoring well in this borehole (and vapor probes in the same borehole, if allowed by the County).

Please let me know if you have any questions.

Thank you,
Dina Kourda, CEG, CHg *(she/her/hers)*
Engineering Geologist
Cleanup/Geological Services Branch
Dina.Kourda@dtsc.ca.gov
Department of Toxic Substances Control
Cypress, California 90630
California Environmental Protection Agency

From: Rob Lovdahl <rob.lovdahl@ngem.com>
Sent: Wednesday, January 19, 2022 11:04 AM
To: Kourda, Dina@DTSC <Dina.Kourda@dtsc.ca.gov>; Jeng, Cy@DTSC <Cy.Jeng@dtsc.ca.gov>; Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>
Cc: John Johnsen <John.Johnsen@sce.com>; Lee Paprocki <lee.paprocki@ngem.com>
Subject: FW: Etiwanda Generating Station - Soil Vapor Data Submittal

EXTERNAL:

Resubmitting email as there was a typo in Dina's email address below. Sorry for any confusion.

Thanks,

Rob Lovdahl, PG
Senior Geologist

Northgate Environmental Management, Inc.
92 Argonaut, Suite 100, Aliso Viejo, CA 92656
phone (949) 716-0050 ext. 117; cell (562) 673-0983; fax (949) 315-3365
http://www.ngem.com

CONFIDENTIALITY NOTICE:
This e-mail and its attachments from Northgate Environmental Management, Inc. contain information that is confidential and/or privileged and is intended for the sole use of the individual or entity named above. Any disclosure, copying, distribution, dissemination, or use of this information by any other person than the intended recipient is prohibited. If you have received this e-mail in error, please notify the sender via e-mail or by calling us at 510-839-0688.

From: Rob Lovdahl <rob.lovdahl@ngem.com>
Sent: Wednesday, January 19, 2022 10:51 AM
To: 'dina.kourda@dtsc.ca.'; C. Y. Jeng (cy.jeng@dtsc.ca.gov) <cy.jeng@dtsc.ca.gov>; 'Rounds, Steven@DTSC' <Steven.Rounds@dtsc.ca.gov>
Cc: John Johnsen (John.Johnsen@sce.com) <John.Johnsen@sce.com>; 'Lee Paprocki' <lee.paprocki@ngem.com>
Subject: Etiwanda Generating Station - Soil Vapor Data Submittal

Greetings Team,

As discussed during the meeting held on January 18, 2022, Northgate Environmental Management, Inc. (Northgate) is submitting the attached preliminary figures and analytical tables related to the ongoing RCRA Facility Investigation (RFI) for the Etiwanda Generating Station (EGS) on behalf of Southern California Edison (SCE). These documents are not finalized but are meant to give the team an update on soil vapor delineation efforts conducted thus far for discussion purposes and to assist in developing a path forward.

Soil vapor concentrations above screening levels have generally been identified in two areas at the EGS including the Unit 5 Peaker (Area of Interest [AOI] 6, Figure 8b) and the Maintenance Shop and Warehouse areas (AOI 16 and 17,

Figures 11a through 11d). Tetrachloroethene (PCE) concentrations above screening levels at the Unit 5 Peaker area have been adequately delineated vertically and laterally (Figure 8b).

Multiple chemicals of potential concern (COPCs) have been identified above soil vapor screening levels in the Maintenance Shop/Warehouse area including but not limited to PCE, 1,1-dichloroethane (1,1-DCA), chloroform, bromodichloromethane, dibromochloromethane, and carbon tetrachloride. In an effort to vertically delineate chloroform concentrations in soil vapor, a soil boring was advanced to a maximum depth of 200 feet below ground surface (bgs) at location MS-23C in January 2022 (per the Technical Memorandum Work Plan submitted on December 6, 2021). January soil vapor sampling at MS-23C indicates concentrations of chloroform, bromodichloromethane, dibromochloromethane appear to decrease then generally remain constant up to 200 feet bgs; however, concentrations of carbon tetrachloride, PCE, and 1,1-DCA appear to increase with depth (Table 7 is included in PDF and Excel format for ease of data review). Corresponding soil sample analytical results for the soil borings at the Maintenance Shop/Warehouse areas have not identified these COPCs above laboratory detection limits. Soil boring logs and nested soil vapor probe construction logs are also attached for MS-23, MS-23B, and MS-23C to provide lithologic perspective for this area.

After the team reviews the attached documents, we propose another meeting be scheduled to discuss an appropriate path forward for completing the RFI at the EGS. Please feel free to reach out if you have any questions.

Best,

Rob Lovdahl, PG
Senior Geologist

Northgate Environmental Management, Inc.
92 Argonaut, Suite 100, Aliso Viejo, CA 92656
phone (949) 716-0050 ext. 117; cell (562) 673-0983; fax (949) 315-3365
http://www.ngem.com

CONFIDENTIALITY NOTICE:

This e-mail and its attachments from Northgate Environmental Management, Inc. contain information that is confidential and/or privileged and is intended for the sole use of the individual or entity named above. Any disclosure, copying, distribution, dissemination, or use of this information by any other person than the intended recipient is prohibited. If you have received this e-mail in error, please notify the sender via e-mail or by calling us at 510-839-0688.

From: Kourda, Dina@DTSC
To: Rounds, Steven@DTSC
Cc: Jeng, Cy@DTSC
Subject: FW: 2022-10-05 EnvApps IEUA CSDO Tanks Revised Soil Sampling Report
Date: Thursday, October 6, 2022 10:50:13 AM
Attachments: image002.png
image003.png
image004.png
image005.png
image006.png
image008.png
image010.png
2022-10-05 EnvApps IEUA CSDO Tanks Revised Soil Sampling Report.pdf

---

Hi Steven,

My comments have been adequately addressed.

Thank you,
Dina Kourda, CEG, CHg *(she/her/hers)*
Engineering Geologist
Cleanup/Geological Services Branch
Dina.Kourda@dtsc.ca.gov
Department of Toxic Substances Control
Cypress, California 90630
California Environmental Protection Agency

From: Ed Trosper <ed@envapps.com>
Sent: Wednesday, October 5, 2022 4:43 PM
To: Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>; Kourda, Dina@DTSC <Dina.Kourda@dtsc.ca.gov>; Jeng, Cy@DTSC <Cy.Jeng@dtsc.ca.gov>
Subject: 2022-10-05 EnvApps IEUA CSDO Tanks Revised Soil Sampling Report

This Message Is From an External Sender
This message came from outside your organization.

Steven/Dina/CY:

Attached is the revised soil sampling report. I've extracted GSB's and HERO's comments below, and have responded in **Red**.

GSB Comment:

1. GSB recommends the TPH results also be categorized into TPH as gasoline (TPHg), TPH as diesel (TPHd), and TPH as motor oil (TPHmo) and compared to United States Environmental Protection Agency and San Francisco Regional Water Quality Control Board Environmental Screening Levels. **Table 1 and the two text tables have been revised to show Los Angeles**

Regional Water Quality Control Board, San Francisco Regional Water Quality Control Board (SFBRWQCB), and United States Environmental Protection Agency screening levels for the three ranges.

HERO Comments:

1. HERO recommends also comparing TPH soil sampling results with the Gross Contamination and Odor/Nuisance Levels for Gasoline (C5-C12), Diesel (C10-C24) and Motor Oil (C24-C36) as defined in the SFBRWQCB Environmental Screening levels (ESLs), to demonstrate that these secondary criteria are also met to support the recommended reuse of soils and gravel of the holders onsite (e.g., below roads or parking lots). **SFBRWQCB Commercial/Industrial Gross Contamination and Odor/Nuisance ESLs for the three ranges have been included in Table 1; TPH results for both the 2017 and 2022 investigations are below these additional ESLs.**

2. For clarity, HERO recommends identifying the sources for the Commercial/Industrial Screening Levels (CISLs) in the tables on Pages 3 and 6, or at least adding a note that refers to Table 1 on individual screening levels and corresponding references. **A note has been included in the text tables on pages 3 and 6 referring the reader to Table 1 which lists the sources of the CISLs.**

3. Please clarify if the options presented in the Conclusions/Recommendations are specific to two different materials, i.e., soils/gravel for onsite reuse and the holder for offsite disposal, or these options may be considered for both material types. **The recommendation was not specific to two separate materials (soils/gravel and holder) but considers them as one. Offsite disposal is always an option for disposal, and that paragraph was removed. The Conclusions/Recommendations has been rewritten to: "TPH was detected in the samples from the holder, but at concentrations below CISLs. No VOCs, SVOCs, or PAHs were reported in the samples, and no Metals were reported above CISLs. In the 2017 *RCRA RFI* (EnvApps, 2019), none of the samples from Feature 2 were found to be above CISLs. Based on the analytical results of these investigations, EnvApps concludes that soils and the holders at Feature 2 (the CS/DO tanks) are suitable for onsite reuse, with the reuse location (such as below roads or parking lots) determined in consultation with DTSC. As specified in Section 3.4 of the SMP, reuse onsite would require evaluation and approval by a geotechnical engineer and DTSC prior to their reuse."**

If you have any questions, please feel free to contact me.

Thanks

Ed Trosper

ENVAPPS
2130 Huntington Drive, Suite 300
South Pasadena, California 91030
Office: (626) 799-4486
Cell: (626) 253-0521

From: Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>
Sent: Tuesday, September 27, 2022 5:30 PM
To: Ed Trosper <ed@envapps.com>
Subject: RE: 2022-08-08 EnvApps IEUA CSDO Tanks Soil Sampling Report

Ed,

Attached are the comments from CY and Dina.

Steve Rounds, P.E.
Hazardous Substances Engineer
Site Mitigation and Restoration Program
Chatsworth Office
818-717-6602
Steven.Rounds@dtsc.ca.gov
Department of Toxic Substances Control
9211 Oakdale Avenue, Chatsworth, California 91311
California Environmental Protection Agency



From: Ed Trosper <ed@envapps.com>
Sent: Tuesday, September 27, 2022 12:22 PM
To: Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>; Kourda, Dina@DTSC <Dina.Kourda@dtsc.ca.gov>
Cc: Jeng, Cy@DTSC <Cy.Jeng@dtsc.ca.gov>
Subject: RE: 2022-08-08 EnvApps IEUA CSDO Tanks Soil Sampling Report

Thanks

Ed Trosper

ENVAPPS
2130 Huntington Drive, Suite 300
South Pasadena, California 91030
Office: (626) 799-4486
Cell: (626) 253-0521

From: Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>
Sent: Tuesday, September 27, 2022 10:41 AM
To: Ed Trosper <ed@envapps.com>; Kourda, Dina@DTSC <Dina.Kourda@dtsc.ca.gov>
Cc: Jeng, Cy@DTSC <Cy.Jeng@dtsc.ca.gov>

Subject: RE: 2022-08-08 EnvApps IEUA CSDO Tanks Soil Sampling Report

Ed,

Just getting some signatures on the documents and will forward them to you ASAP.

Steve Rounds, P.E.
Hazardous Substances Engineer
Site Mitigation and Restoration Program
Chatsworth Office
818-717-6602
Steven.Rounds@dtsc.ca.gov
Department of Toxic Substances Control
9211 Oakdale Avenue, Chatsworth, California 91311
California Environmental Protection Agency

From: Ed Trosper <ed@envapps.com>
Sent: Monday, September 26, 2022 3:32 PM
To: Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>; Kourda, Dina@DTSC <Dina.Kourda@dtsc.ca.gov>
Cc: Jeng, Cy@DTSC <Cy.Jeng@dtsc.ca.gov>
Subject: RE: 2022-08-08 EnvApps IEUA CSDO Tanks Soil Sampling Report

Steve:

I'm sure you're busy, but can you forward me CY's and Dina's comments on the August 8th Report?

Thanks

Ed Trosper

2130 Huntington Drive, Suite 300
South Pasadena, California 91030
Office: (626) 799-4486
Cell: (626) 253-0521

From: Ed Trosper
Sent: Tuesday, September 13, 2022 10:59 AM
To: 'Rounds, Steven@DTSC' <Steven.Rounds@dtsc.ca.gov>; 'Kourda, Dina@DTSC' <Dina.Kourda@dtsc.ca.gov>

Cc: 'Jeng, Cy@DTSC' <Cy.Jeng@dtsc.ca.gov>
Subject: RE: 2022-08-08 EnvApps IEUA CSDO Tanks Soil Sampling Report

Steven:

Glad to see you're back. Can I get CY and Dina's comments on the August 8, 2022, CS/DO tanks soil sampling report?

Thanks

Ed Trosper

ENVAPPS
environmental applications
2130 Huntington Drive, Suite 300
South Pasadena, California 91030
Office: (626) 799-4486
Cell: (626) 253-0521

From: Ed Trosper
Sent: Tuesday, September 6, 2022 11:21 AM
To: Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>; Kourda, Dina@DTSC <Dina.Kourda@dtsc.ca.gov>
Cc: Jeng, Cy@DTSC <Cy.Jeng@dtsc.ca.gov>
Subject: RE: 2022-08-08 EnvApps IEUA CSDO Tanks Soil Sampling Report

Steven:

Have Dina and CY completed their reviews of the August 8, 2022, for the CS/DO tanks soil sampling report?

Thanks

Ed Trosper

ENVAPPS
environmental applications
2130 Huntington Drive, Suite 300
South Pasadena, California 91030
Office: (626) 799-4486
Cell: (626) 253-0521

From: Ed Trosper
Sent: Wednesday, August 24, 2022 11:27 AM
To: Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>; Kourda, Dina@DTSC <Dina.Kourda@dtsc.ca.gov>
Cc: Jeng, Cy@DTSC <Cy.Jeng@dtsc.ca.gov>
Subject: RE: 2022-08-08 EnvApps IEUA CSDO Tanks Soil Sampling Report

Steven:

Any news on comments on the report? IEUA is asking.

Thanks

Ed Trosper

2130 Huntington Drive, Suite 300
South Pasadena, California 91030
Office: (626) 799-4486
Cell: (626) 253-0521

From: Ed Trosper
Sent: Monday, August 8, 2022 4:21 PM
To: Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>; Kourda, Dina@DTSC <Dina.Kourda@dtsc.ca.gov>
Cc: Jeng, Cy@DTSC <Cy.Jeng@dtsc.ca.gov>
Subject: 2022-08-08 EnvApps IEUA CSDO Tanks Soil Sampling Report

All:

Attached is the report on the soil samples we collected from the test pits of the holder and underlying soil.

If you have any questions, please feel free to call, email, and I'll even text.

Thanks

Ed Trosper

2130 Huntington Drive, Suite 300
South Pasadena, California 91030
Office: (626) 799-4486
Cell: (626) 253-0521

From: Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>
Sent: Wednesday, June 22, 2022 2:06 PM
To: Ed Trosper <ed@envapps.com>; Kourda, Dina@DTSC <Dina.Kourda@dtsc.ca.gov>
Cc: Jeng, Cy@DTSC <Cy.Jeng@dtsc.ca.gov>
Subject: RE: CS/DO Memo

Great, thanks for the update.

Steve Rounds, P.E.

Hazardous Substances Engineer
Site Mitigation and Restoration Program
Chatsworth Office
818-717-6602
Steven.Rounds@dtsc.ca.gov
Department of Toxic Substances Control
9211 Oakdale Avenue, Chatsworth, California 91311
California Environmental Protection Agency

From: Ed Trosper <ed@envapps.com>
Sent: Wednesday, June 22, 2022 2:05 PM
To: Kourda, Dina@DTSC <Dina.Kourda@dtsc.ca.gov>; Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>
Cc: Jeng, Cy@DTSC <Cy.Jeng@dtsc.ca.gov>
Subject: Re: CS/DO Memo

EXTERNAL:

Thanks. I'm waiting to hear from my contractor.

Ed Trosper
EnvApps
(626) 253-0521
Sent from the field

From: Kourda, Dina@DTSC <Dina.Kourda@dtsc.ca.gov>
Sent: Wednesday, June 22, 2022 11:21:39 AM
To: Ed Trosper <ed@envapps.com>; Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>
Cc: Jeng, Cy@DTSC <Cy.Jeng@dtsc.ca.gov>
Subject: RE: CS/DO Memo

Sounds good – no need to wait 2 weeks. Whenever you can schedule the work is fine.

Thank you,
Dina Kourda, CEG, CHg *(she/her/hers)*
Engineering Geologist
Cleanup/Geological Services Branch
Dina.Kourda@dtsc.ca.gov
Department of Toxic Substances Control
Cypress, California 90630

California Environmental Protection Agency

From: Ed Trosper <ed@envapps.com>
Sent: Wednesday, June 22, 2022 11:16 AM
To: Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>
Cc: Kourda, Dina@DTSC <Dina.Kourda@dtsc.ca.gov>; Jeng, Cy@DTSC <Cy.Jeng@dtsc.ca.gov>
Subject: Re: CS/DO Memo

EXTERNAL:

Thanks all!

I'll schedule the test pits and give notify you of when I'll be digging them (of at least watching someone se dig them).

Ed Trosper
EnvApps
(626) 253-0521
Sent from the field

From: Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>
Sent: Wednesday, June 22, 2022 11:13:58 AM
To: Ed Trosper <ed@envapps.com>
Cc: Kourda, Dina@DTSC <Dina.Kourda@dtsc.ca.gov>; Jeng, Cy@DTSC <Cy.Jeng@dtsc.ca.gov>
Subject: FW: CS/DO Memo

Dina's comments are below.

Steve Rounds, P.E.
Hazardous Substances Engineer
Site Mitigation and Restoration Program
Chatsworth Office
818-717-6602
Steven.Rounds@dtsc.ca.gov
Department of Toxic Substances Control
9211 Oakdale Avenue, Chatsworth, California 91311
California Environmental Protection Agency

DTSC Department of Toxic Substances Control
CalEPA California Environmental Protection Agency

From: Kourda, Dina@DTSC <Dina.Kourda@dtsc.ca.gov>

Sent: Thursday, June 16, 2022 1:10 PM
To: Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>
Cc: Jeng, Cy@DTSC <Cy.Jeng@dtsc.ca.gov>
Subject: Fwd: CS/DO Memo

I think this is fine.

Please provide the field schedule when it is set.

Thank you,
Dina Kourda, CEG, CHg *(she/her/hers)*
Engineering Geologist
Cleanup/GSB
Dina.Kourda@dtsc.ca.gov
Department of Toxic Substances Control
5796 Corporate Avenue, Cypress, California
California Environmental Protection Agency

From: Ed Trosper <ed@envapps.com>
Sent: Thursday, June 16, 2022 12:33:20 PM
To: Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>
Cc: Jeng, Cy@DTSC <Cy.Jeng@dtsc.ca.gov>; Kourda, Dina@DTSC <Dina.Kourda@dtsc.ca.gov>
Subject: RE: CS/DO Memo

EXTERNAL:

Thank you all for your review.

CY, the purpose of the study is to get samples of the holder (estimated to be a few inches thick) and see what's in it so I can find an off-site home for it. I'll also collect samples of the underlying soil to see if the constituents of the holder have leached down. I was going to use a backhoe so I can get down in the hole and see what we've got. This is not the end of sampling.

The rationale for the test pit locations was a triangular array around each tank to see if the holder was of an even thickness or if it was thicker on one side over the other.

I'm going to have to move the test pits around; I've attached a revised Test Pit Locations Figure. When I was out at Site to get rid of the bins of soil we excavated up by the NW tank, I walked over to these tanks with the contractor. I can't get a backhoe to the old proposed TP2 since there are pipelines that run both north and west from the West CS/DO Tank. Unfortunately, TP2 was also by F2a1 which is one of the hot borings CY noted so I can't get to that. Over at the East CS/DO Tank, I'll move the pits around so that there is one by hot boring F2b2.

When I get the holder samples, I expect them to be much higher in TPH than anything from F2a1 and F2b2 and probably have significant PAHs in them, much like what was found at the SCE/Shopoff tanks down at Huntington Beach.

Dina, CY, can you approve the revised figure so I can go out and get samples?

Thanks

Ed Trosper

ENVAPPS
2130 Huntington Drive, Suite 300
South Pasadena, California 91030
Office: (626) 799-4486
Cell: (626) 253-0521

From: Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>
Sent: Thursday, June 16, 2022 9:40 AM
To: Ed Trosper <ed@envapps.com>
Cc: Jeng, Cy@DTSC <Cy.Jeng@dtsc.ca.gov>
Subject: RE: CS/DO Memo

Ed,

Sorry for the delayed response. The Site Mitigation and Restoration Branch is undergoing a managerial change and things have been a bit busy at the moment.

Here is CY's message to me:

Hi Steve,

The Human and Ecological Risk Office (HERO) reviewed the Technical Memorandum on Cutter Stock/Displacement Oil (CS/DO) Tanks, Inland Empire Utilities Agency (IEUA) Portion of Former SCE Etiwanda Generating Station. It was prepared by Environmental Applications, Inc. (EnvApps), and dated May 9, 2022.

Overall, HERO does not note significant health risk-related issues. However, I noted that no rationale was provided regarding the number and locations of test pits proposed on Figure 3. For example, should some of the proposed test pit locations be biased toward the RFI borings with detectable TPH concentrations (e.g., F2a1 and F2b2) or adjusted based on field conditions (e.g., elevated PID readings)? Ultimately, I will defer to Dina and you regarding adequacy of the proposed investigation plan.

Thanks, CY

Chawn Y. (CY) Jeng, Ph.D. (he/him/his)
Staff Toxicologist
Human and Ecological Office (HERO)
cy.jeng@dtsc.ca.gov
Department of Toxic Substances Control
5796 Corporate Avenue, Cypress, California 90630

California Environmental Protection Agency

Steve Rounds, P.E.
Hazardous Substances Engineer
Site Mitigation and Restoration Program
Chatsworth Office
818-717-6602
Steven.Rounds@dtsc.ca.gov
Department of Toxic Substances Control
9211 Oakdale Avenue, Chatsworth, California 91311
California Environmental Protection Agency

From: Ed Trosper <ed@envapps.com>
Sent: Wednesday, June 15, 2022 3:48 PM
To: Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>
Cc: Jeng, Cy@DTSC <Cy.Jeng@dtsc.ca.gov>
Subject: RE: CS/DO Memo

EXTERNAL:

Steve:

Anything from CY?

Thanks

Ed Trosper

2130 Huntington Drive, Suite 300
South Pasadena, California 91030
Office: (626) 799-4486
Cell: (626) 253-0521

From: Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>
Sent: Thursday, June 2, 2022 2:27 PM

To: Ed Trosper <ed@envapps.com>
Subject: RE: CS/DO Memo

Ed,

Dina's memo is attached.

Steve Rounds, P.E.
Hazardous Substances Engineer
Site Mitigation and Restoration Program
Chatsworth Office
818-717-6602
Steven.Rounds@dtsc.ca.gov
Department of Toxic Substances Control
9211 Oakdale Avenue, Chatsworth, California 91311
California Environmental Protection Agency

From: Ed Trosper <ed@envapps.com>
Sent: Wednesday, June 1, 2022 5:55 PM
To: Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>
Subject: Re: CS/DO Memo

EXTERNAL:

They should be minor. I'm only grabbing soil samples. I'll meet the CI standards with the PQLs.

Ed Trosper
EnvApps
(626) 253-0521
Sent from the field

From: Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>
Sent: Wednesday, June 1, 2022 2:09:59 PM
To: Ed Trosper <ed@envapps.com>
Subject: RE: CS/DO Memo

Ed,

CY is still working on his comments. He seems to be overloaded with work at the moment. I'm hoping to have his comments no later than next week.

Steve Rounds, P.E.
Hazardous Substances Engineer
Site Mitigation and Restoration Program
Chatsworth Office
818-717-6602
Steven.Rounds@dtsc.ca.gov
Department of Toxic Substances Control
9211 Oakdale Avenue, Chatsworth, California 91311
California Environmental Protection Agency



From: Ed Trosper <ed@envapps.com>
Sent: Tuesday, May 31, 2022 1:07 PM
To: Kourda, Dina@DTSC <Dina.Kourda@dtsc.ca.gov>; Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>
Cc: Jeng, Cy@DTSC <Cy.Jeng@dtsc.ca.gov>
Subject: Re: CS/DO Memo

EXTERNAL:

Thanks Dina

Ed Trosper
EnvApps
(626) 253-0521
Sent from the field

From: Kourda, Dina@DTSC <Dina.Kourda@dtsc.ca.gov>
Sent: Tuesday, May 31, 2022 12:33:29 PM
To: Ed Trosper <ed@envapps.com>; Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>
Cc: Jeng, Cy@DTSC <Cy.Jeng@dtsc.ca.gov>
Subject: RE: CS/DO Memo

Hi Ed,

Yes, I sent a draft memo to Steven on 5.24.22.

Thank you,

> Thank you,
> **Dina Kourda, CEG, CHg** *(she/her/hers)*

Engineering Geologist
Cleanup/Geological Services Branch
Dina.Kourda@dtsc.ca.gov
Department of Toxic Substances Control
Cypress, California 90630
California Environmental Protection Agency

From: Ed Trosper <ed@envapps.com>
Sent: Tuesday, May 31, 2022 12:14 PM
To: Rounds, Steven@DTSC <Steven.Rounds@dtsc.ca.gov>
Cc: Kourda, Dina@DTSC <Dina.Kourda@dtsc.ca.gov>; Jeng, Cy@DTSC <Cy.Jeng@dtsc.ca.gov>
Subject: CS/DO Memo

EXTERNAL:

Have you had a chance to review the 5/9/22 Memo on doing a couple of test pits around the CS/DO Tanks?

Thanks

Ed Trosper

ENVAPPS
2130 Huntington Drive, Suite 300
South Pasadena, California 91030
Office: (626) 799-4486
Cell: (626) 253-0521

Department of Toxic Substances Control

Meredith Williams, Ph.D., Director
9211 Oakdale Avenue
Chatsworth, California 91311

Yana Garcia
Secretary for
Environmental Protection

Gavin Newsom
Governor

January 24, 2023

Mr. John R. Johnsen
Sr. Environmental Project Manager
Operational Services
Environmental Services Department
2244 Walnut Grove Avenue, GO-1,
Quad 2C Rosemead, California 91770

APPROVAL OF DOCUMENT TITLED, "SOIL SAMPLING REPORT, CUTTER STOCK/DISPLACEMENT OIL TANKS, INLAND EMPIRE UTILITIES AGENCY (IEUA) PORTION OF FORMER SOUTHERN CALIFORNIA EDISON (SCE) ETIWANDA GENERATING STATION (EGS)," SOUTHERN CALIFORNIA EDISON ETIWANDA GENERATING STATION, 8996 ETIWANDA AVENUE, RANCHO CUCAMONGA, CALIFORNIA 91739,SAN BERNARDINO COUNTY, EPA ID NUMBER CAD 079 548 574
(Site Code:400437)

Dear Mr. Johnsen:

This letter is to inform you that the document titled "Soil Sampling Report (Report), Cutter Stock/Displacement Oil (CS/DO) Tanks, Inland Empire Utilities Agency (IEUA) Portion of Former Southern California Edison (SCE) Etiwanda Generating Station (EGS)" has been approved. This report was submitted to inform DTSC of the results from the RP's plan to excavate test pits around the CS/DO tanks, collect soil samples, have them analyzed. The purpose of this Report is to evaluate the holder (an oil-saturated sand material used as a corrosion inhibitor on which the CS/DO tanks were likely constructed) and soils underlying the holder prior to the tanks being removed and replaced with new reclaimed water tanks.

DTSC's Site Mitigation and Restoration Program, in consultation with its Human and Ecological Risk Office and Geological Services Branch, concur with the findings of the Report. No additional sampling at the features named is necessary.

Printed on Recycled Paper

If you have any questions, please contact the Project Manager, Steve Rounds of my staff at (818) 717-6602 or e-mail at Steven.Rounds@dtsc.ca.gov.

Sincerely,

Andres Cano, P.G.
Unit Chief
Site Mitigation and Restoration Branch – Chatsworth

cc: Lee Paprocki, PG, C.Hg (via e-mail)
Associate Hydrogeologist
Northgate Environmental Management,
Inc. 92 Argonaut, Suite 100
Aliso Viejo, California 92656

Steve Rounds, P.E. (via e-mail)
Hazardous Substances Engineer
Site Mitigation and Restoration Program – Chatworth
9211 Oakdale Avenue
Chatsworth, California 91311

Dina Kourda, CEG, C.Hg (via e-mail)
Engineering Geologist
Cleanup/Geological Services Branch – Cypress
5796 Corporate Avenue
Cypress, California 90630

Chawn Y. (CY) Jeng, Ph.D. (via e-mail)
Staff Toxicologist
Human and Ecological Office (HERO)
Department of Toxic Substances
Control 5796 Corporate Avenue
Cypress, California

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
ENVIROSTOR

DP ETIWANDA (60002634)

SIGN UP FOR EMAIL ALERTS

8822 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA 91739
SAN BERNARDINO COUNTY
SITE TYPE: VOLUNTARY AGREEMENT

PROJECT MANAGER: JOHNSON ABRAHAM
SUPERVISOR: SHAHIR HADDAD
OFFICE: SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH
CENSUS TRACT: 6071002207
CALENVIROSCREEN PERCENTILE SCORE: 65-70%

Summary | Land Use Restrictions | Activities | Community Involvement | Site/Facility Docs | Sub-Areas | Map | Related Sites | CalEnviroScreen

Site Information

CLEANUP STATUS
CERTIFIED O&M - LAND USE RESTRICTIONS ONLY AS OF 10/22/2020

SITE TYPE: VOLUNTARY AGREEMENT
NATIONAL PRIORITIES LIST: NO
ACRES: 11.82 ACRES
APN: NONE SPECIFIED
CLEANUP OVERSIGHT AGENCIES:
DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY

ENVIROSTOR ID: 60002634
SITE CODE: 401825
SPECIAL PROGRAM:
FUNDING: SITE PROPONENT
ASSEMBLY DISTRICT: 50
SENATE DISTRICT: 29

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION
RAILROAD RIGHT OF WAY, RECYCLING - SCRAP METAL, UNDERGROUND STORAGE TANKS

POTENTIAL CONTAMINANTS OF CONCERN
CADMIUM AND COMPOUNDS
LEAD
POLYCHLORINATED BIPHENYLS (PCBS)
TPH-MOTOR OIL

POTENTIAL MEDIA AFFECTED
SOIL, SOIL VAPOR

Site History

The Site is a vacant property located at 8822 Etiwanda Avenue in the City of Rancho Cucamonga. The 11.82-acre property is located at the northwest corner of the Burlington Northern Santa Fe Railway and Etiwanda Avenue, in a heavily industrial land use area. The Site is currently vacant with various paved asphalt, concrete, and unimproved dirt surfaces. It historically consisted of agricultural land, a railroad spur (which currently still exists), and a single-family residence from 1938 until 1966. Automobile and scrap metal recycling operations began at the site in 1975 and continued to operate under various tenants until 2017.

The Site is planned for a redevelopment project, consisting of construction of a new ground-up tilt-up concrete 56,560 square foot (SF) industrial transportation facility, utilized for office space, storage, freight handling, shipping, and trucking services. The new building will consist of 10,000 SF of office space, 46,560 SF of warehouse space, 101 dock positions/doors, and approximately 144 trailer parking stalls and 88 auto parking stalls on-site. The development will include the construction of landscaping, street, utility, and circulation improvements.

In a letter dated February 14, 2018, DTSC provided comments on the Initial Study/Mitigated Negative Declaration for Design Review (MND) submitted by Dedeaux Properties. DTSC requested further evaluation of soil and soil vapor conditions at the Site to evaluate whether the former operations and features and historical uses of chemical or hazardous uses of chemical or hazardous materials have potentially resulted in environmental impacts to the Site.

Dedeaux agreed to perform an environmental investigation to address DTSC's stated concerns. On May 3, 2018 DTSC and Dedeaux entered into a Voluntary Cleanup Agreement (VCA) (Docket Number HSA-FY17/18-111) for DTSC's oversight of the environmental investigation and/or cleanup at the Site.

Previous Phase I Environmental Site Assessments were provided to DTSC as background information. A scoping meeting conference call was held on May 10, 2018 between for the project to discuss the scope of environmental investigation.

A Site Assessment Workplan (Ramboll, July 2018) was prepared for the Site with proposed environmental investigation activities to evaluate potential impact to soil and soil gas from past operations. DTSC approved the Workplan on August 2, 2018 for implementation. Preliminary data were provided to DTSC during the implementation of the Workplan that revealed elevated concentrations of metals, total petroleum hydrocarbons (TPH) and polychlorinated biphenyls (PCBs) in soil samples. Additional samples were collected to define extent of soil contamination. DTSC issued a letter on October 12, 2018 requesting a Preliminary Environmental Assessment (PEA) Report summarizing the findings of Site investigation.

A PEA Report was provided to DTSC (Ramboll, February 2020) that included a summary of excavation activities and confirmation sampling conducted at the Site. Residual concentrations of metals and PCBs left in place were below their established commercial/industrial screening levels, except for a few locations along the northern, western, and southern property lines. Clean imported soil was used to backfill the Site. The PEA Report included a human health risk assessment (HHRA) for an evaluation of on-site concentrations of contaminants left in place. The HHRA evaluation confirmed that residual concentrations were below appropriate risk thresholds under a commercial/industrial land use scenario. DTSC approved the PEA Report on August 5, 2020 and concurred with its conclusion that the Site was acceptable for its intended use provided a Land Use Covenant (LUC) was executed between DP Etiwanda, LLC and DTSC, restricting the property to commercial/industrial land use.

A subsequent limited site investigation was conducted at previously identified areas along the property boundary to determine extent of lead and/or PCBs contamination in shallow soil. Results of the limited investigation were summarized in the Limited Supplemental Site Investigation Report to Delineate Residual Soil Impact Along the Property Boundary (Ramboll, September 2020). Based on the limited investigation findings, residual concentrations of lead along the southern and northwest boundary were localized and slightly above the commercial/industrial screening level. PCBs detected in one area along the western boundary were within a risk management range and deemed acceptable for the Site's commercial/industrial use. No additional investigation or cleanup is required at the Site for its current intended use. A LUC between DP Etiwanda, LLC and DTSC was executed on August 19, 2020 and recorded with the San Bernardino County Recorder's Office on October 22, 2020. The LUC will ensure Site use is restricted to commercial/industrial. The LUC will prohibit certain Site uses including residential, hospital, and school; as well as require annual inspections and five-year reviews to ensure the LUC is still protective. The LUC will remain in place as long as concentrations of constituents of concern exceed limits appropriate for unrestricted Site use. The LUC requires a soil management plan in the case of soil disturbance at the four areas along the property boundary where PCB and/or lead exceed commercial/industrial screening.

Back to Top
Help
Disclaimer
Contact Us
DTSC Home

Copyright © 2023 State of California

3.320313 seconds

BTC III ARROW ROUTE (36340066)

SIGN UP FOR EMAIL ALERTS

12451 ARROW ROUTE
RANCHO CUCAMONGA, CA 91739
SAN BERNARDINO COUNTY
SITE TYPE: VOLUNTARY AGREEMENT

PROJECT MANAGER: SHAWNA COUPLIN
SUPERVISOR: JOSE DIAZ
OFFICE: CLEANUP CHATSWORTH
CENSUS TRACT: 6071002207
CALENVIROSCREEN PERCENTILE SCORE: 65-70%

Summary | Activities | Site/Facility Docs | Map | Related Sites | CalEnviroScreen

Site Information

CLEANUP STATUS
ACTIVE AS OF 8/24/2022

SITE TYPE: VOLUNTARY AGREEMENT
NATIONAL PRIORITIES LIST: NO
ACRES: 95 ACRES
APN: 022912135
CLEANUP OVERSIGHT AGENCIES:
DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY

ENVIROSTOR ID: 36340066
SITE CODE: 400885
SPECIAL PROGRAM:
FUNDING: SITE PROPONENT
ASSEMBLY DISTRICT: 50
SENATE DISTRICT: 29

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION
MANUFACTURING - METAL

POTENTIAL CONTAMINANTS OF CONCERN
NO CONTAMINANTS FOUND

POTENTIAL MEDIA AFFECTED
NO MEDIA AFFECTED

Site History

DTSC entered into a VCA with Kaiser Steel on December 22, 2000. DTSC reviewed a PEA for the then vacant 0.5-Acre property located at 12451 Arrow Route (Parcel 1 of Parcel Map 7822 as recorded in BOOK 82 pages 48-51. The property was used to dispose of slag from steel recycling. An NFA was issued on December 20, 2021. BTC III Arrow Route CC LP submitted an application on August 18, 2021 seeking agency oversight for the original parcel plus other parcels identified by San Bernardino County Assessor's Parcel Numbers 0229-121-34, 0229-121-33, 0229-131-19, and 0229-121-35 totaling 95 acres. The now 95-acre Site consists of 4 parcels bound by Arrow Route to the north and the Atchison Topeka and Santa Fe Railroad (Railroad) to the south and is accessible via Arrow Route and Juneberry Drive. The Site is primarily occupied by Commercial Metals Company (CMC), an inactive steel mill, CMC Rebar, a rebar manufacturing facility, and Phoenix Industries, a slag processing facility. The Site operated as a steel mill from the 1950s until 2019 when milling operations were phased out. Parcel 1 is located in the western portion of the Site and is not developed with any permanent structures. CMC utilized the northern portion of Parcel 1 as an equipment boneyard and the southern portion for storage of steel billets. Parcel 2 is located in the central and southern portions of the Site. The northern area of Parcel 2 is partially occupied by Phoenix Industries, a steel slag processing tenant. On-Site operations consist of mechanical crushing and sorting of steel slag for off-Site use as aggregate material. The southern portion of Parcel 2 is developed with the inactive CMC steel mill previously equipped with an electric arc furnace for melting scrap metal. Parcel 3 is located in the eastern portion of the Site. The northern area of Parcel 3 is equipped with the CMC main office building, fueling station, and a vacant area previously used for rebar storage. The southern portion of Parcel 3 is developed with the inactive milling and rolling building. Parcel 4 is located in the northern portion of the Site and is occupied by CMC Rebar which operates a rebar fabrication facility. Previous investigations identified releases of total petroleum hydrocarbons, volatile organic compounds, diesel range organics, chloroform, slag material, PCBs, and metals in soil

Copyright © 2024 State of California

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
ENVIROSTOR

BERNELL HYDRAULICS (60003183)

SIGN UP FOR EMAIL ALERTS

8810 ETIWANDA AVENUE
RANCHO CUCAMONGA, CA 91739
SAN BERNARDINO COUNTY
SITE TYPE: VOLUNTARY AGREEMENT

PROJECT MANAGER: TRAVIS COBURN
SUPERVISOR: EMAD YEMUT
OFFICE: SOUTHERN CALIFORNIA SCHOOLS & BROWNFIELDS OUTREACH
CENSUS TRACT: 6071002207
CALENVIROSCREEN PERCENTILE SCORE: 65-70%

Summary | Activities | Site/Facility Docs | Map | Related Sites | CalEnviroScreen

Site Information

CLEANUP STATUS
ACTIVE AS OF 9/17/2021

SITE TYPE: VOLUNTARY AGREEMENT
NATIONAL PRIORITIES LIST: NO
ACRES: 0.85 ACRES
APN: NONE SPECIFIED
CLEANUP OVERSIGHT AGENCIES:
DTSC - SITE CLEANUP PROGRAM - LEAD AGENCY

ENVIROSTOR ID: 60003183
SITE CODE: 401987
SPECIAL PROGRAM: VOLUNTARY AGREEMENT - STANDARD VOLUNTARY AGREEMENT
FUNDING: SITE PROPONENT
ASSEMBLY DISTRICT: 50
SENATE DISTRICT: 29

Regulatory Profile

PAST USE(S) THAT CAUSED CONTAMINATION
NONE SPECIFIED

POTENTIAL CONTAMINANTS OF CONCERN
NONE SPECIFIED

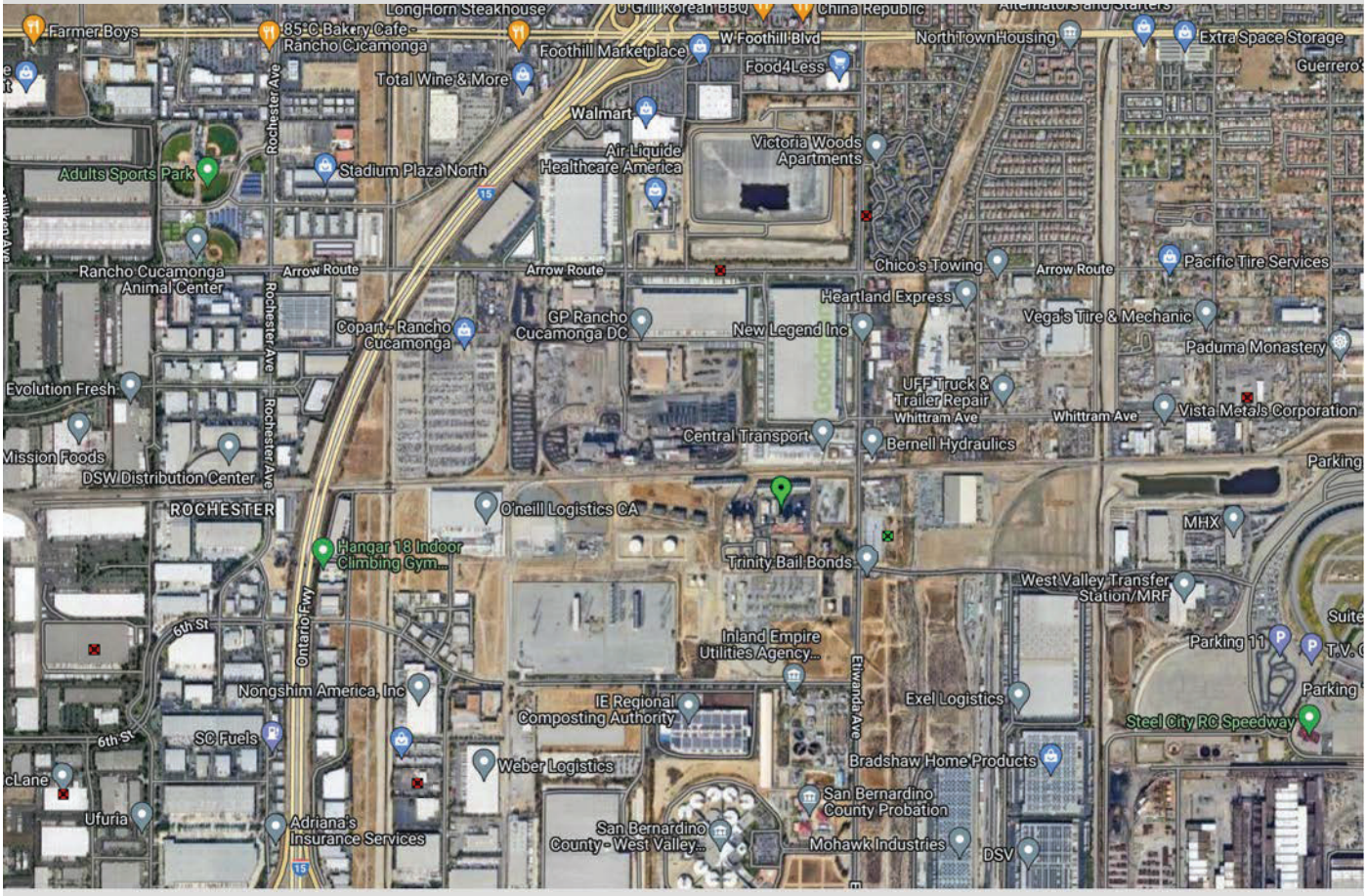
POTENTIAL MEDIA AFFECTED
NONE SPECIFIED

Site History

Back to Top
Help
Disclaimer
Contact Us
DTSC Home

Copyright © 2023 State of California

2.554688 seconds



LEGEND - CHOOSE MORE SITES

- LUST Cleanup Sites - REMOVE
- Cleanup Program Sites - REMOVE
- Military Cleanup Sites - REMOVE
- Military Privatized Sites - REMOVE
- Military UST Sites - REMOVE

Signifies a Closed Site

ACTIVE MAP COVERAGES:

- Military Bases - REMOVE

LIST SITES VISIBLE ON MAP

Map data ©2023 Google Imagery ©2023 , Airbus, CNES / Airbus, County of San Bernardino, Maxar Technologies, U.S. Geological Survey, USDA/FPAC/GEO 200 m

Sites Shown on Map: 8 Total Sites | 0 Open Sites | 8 Closed Sites | 0 Sites w/Water Quality Data

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER

CASE SUMMARY

REPORT DATE
11/19/1993

HAZARDOUS MATERIAL INCIDENT REPORT FILED WITH OES?

I. REPORTED BY -
UNKNOWN

CREATED BY
UNKNOWN

III. SITE LOCATION

FACILITY NAME
TAMCO

FACILITY ID

FACILITY ADDRESS
12459 ARROW HWY
RANCHO CUCAMONGA, CA 91739
SAN BERNARDINO COUNTY

ORIENTATION OF SITE TO STREET

CROSS STREET

V. SUBSTANCES RELEASED / CONTAMINANT(S) OF CONCERN
GASOLINE

VI. DISCOVERY/ABATEMENT

DATE DISCHARGE BEGAN

DATE DISCOVERED
11/4/1993

HOW DISCOVERED
Tank Closure

DESCRIPTION

DATE STOPPED
11/4/1993

STOP METHOD

DESCRIPTION

VII. SOURCE/CAUSE

SOURCE OF DISCHARGE
Other

CAUSE OF DISCHARGE
Unknown

DISCHARGE DESCRIPTION

VIII. CASE TYPE

CASE TYPE
Soil

IX. REMEDIAL ACTION
NO REMEDIAL ACTIONS ENTERED

X. GENERAL COMMENTS

XI. CERTIFICATION

I HEREBY CERTIFY THAT THE INFORMATION REPORTED HEREIN IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.

XII. REGULATORY USE ONLY

LOCAL AGENCY CASE NUMBER
93063

REGIONAL BOARD CASE NUMBER
083602379T

LOCAL AGENCY

UNKNOWN

REGIONAL BOARD

CONTACT NAME	INITIALS	ORGANIZATION_NAME	EMAIL ADDRESS
MAILE SEEGER GEE	MG	SANTA ANA RWQCB (REGION 8)	maile.gee@waterboards.ca.gov

ADDRESS

3737 MAIN STREET, SUITE 500
RIVERSIDE, CA 92501-3339

CONTACT DESCRIPTION

PHONE TYPE	PHONE NUMBER	EXTENSION
PHONE	(951)-782-4379	

Back to Top
Conditions of Use
Privacy Policy
Accessibility
Contact Us

Copyright © 2023 State of California

ENVIRONMENTAL HEALTH SERVICES

☑ 385 North Arrowhead Avenue • San Bernardino, CA 92415-0160 • (909) 387-4646
☐ 320 East "D" Street • Ontario, CA 91764 • (909) 391-7570
☐ 15505 Civic Drive • Victorville, CA 92392 • (619) 243-8141
☐ 17830 Arrow Boulevard • Fontana, CA 92335 • (909) 829-6244
☐ 57407 Twentynine Palms Highway • Yucca Valley, CA 92284 • (619) 228-5410
☐ San Bernardino County Vector Control Program
2355 East Fifth Street • San Bernardino, CA 92415-0064 • (909) 383-3200

94 MAR -2 PM 3:34

COUNTY OF SAN BERNARDINO
ENVIRONMENTAL
MANAGEMENT GROUP

PAMELLA BENNETT, R.E.H.S.
Director

Also serving the cities of:

Adelanto	Montclair
Apple Valley	Needles
Barstow	Ontario
Big Bear Lake	Rancho Cucamonga
Chino	Redlands
Chino Hills	Rialto
Colton	San Bernardino
Fontana	Twentynine Palms
Grand Terrace	Upland
Hesperia	Victorville
Highland	Yucaipa
Loma Linda	Yucca Valley

February 28, 1994

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SANTA ANA REGION
2010 IOWA AVE., SUITE 100
RIVERSIDE, CALIFORNIA 92507-2409

ATTENTION: KENNETH R. WILLIAMS, EXECUTIVE OFFICER

SUBJECT: LOCAL OVERSIGHT PROGRAM CASE CLOSURE SUMMARY(S)

Pursuant to requirements of the department's Local Oversight Program contract with the State Water Board, Please find enclosed the "Case Closure Summary(s)" for the following site(s) within your jurisdiction:

TAMCO
12459 Arrow Hwy.
Rancho Cucamonga, CA

As you are aware, conditions of the contract require a 30 day review period in which your agency may reject the recommended closure or request additional time. Therefore, without objection, the department will issue the standardized "Remedial Action Completion Certification" 35 days after the date of this correspondence.

If you have any questions, please call me at (909) 387-3041.

Ronald A Ripley

RONALD A. RIPLEY, R.E.H.S.
SUPERVISING ENVIRONMENTAL HEALTH SPECIALIST
HAZARDOUS MATERIALS MANAGEMENT
SITE REMEDIATION/LOCAL OVERSIGHT PROGRAM

RR:raa

Board of Supervisors
BARBARA CRAIG HODGEN ..... First District
JERRY EAVES ..... Fifth District

Case Closure Summary

Leaking Underground Fuel Storage Tank Program

I. Agency Information

Date: FEB 28 1994

Agency name: Environmental Health Services	Address: 385 N. Arrowhead Ave., 2nd Floor
City/State/ZIP: San Bernardino, CA 92415-0160	Phone: (909) 387-3041
Responsible staff person: Lisa Holst	Title: Env. Health Spec II

II. Case Information

Site facility name: TAMCO		
Site facility address: 12459 Arrow Hwy., Rancho Cucamonga		
RB LUSTIS Case No: 083602379T	Local Case No.:	LOP Case No.: 93063
URF filing date: 11-22-93	SWEEPS No: 36-000-008874-000001, 2, 3, 4	
Responsible Parties	Addresses	Phone Numbers
TAMCO	12459 Arrow Hwy., R. Cuca	(909) 899-0660

Tank No	Size in Gal.	Contents	Closed in-Place/Removed?	Date
1	50 K	Diesel	Removed	11-4-93
2	50 K	Diesel	Removed	11-4-93
3 & 4	50 K/50 K	Diesel	Removed	11-4-93

III. Release and Site Characterization Information

Cause and type of release: Piping leak at turbine		
Site characterization complete? (Yes) No	Date approved by oversight agency: 12-3-93	
Monitoring Wells Installed? Yes (No)	Number:	Proper screened interval? Yes No
Highest GW depth below ground surface: 100	Lowest Depth: 200	Flow direction:
Most Sensitive Current Use:		
Are drinking water wells affected? Yes (No)	Aquifer Name: N/A	
Is surface water affected? Yes (No)	Nearest/affected SW name:	
Off-site beneficial use impacts (addresses/locations):		
Report(s) on file? (Yes) No	Where is report filed? San Bernardino Co. DEHS	

Treatment and Disposal of Affected Material

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	4 - 50 K	Decontaminated & sectioned at Erickson,	11-04-93
Piping	100 ft.	sent back to TAMCO as scrap to be processed	
Free Product		into rebar.	
Soil	633 cubic yards	Gibson Oil & Refining Facility, Bakersfield	10-21-93
Groundwater			12-08-93
Barrels			

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

III. Release and Site Characterization Information (Continued)

Maximum Documented Contaminant Concentrations----Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppm)		Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)					Xylene				
TPH (Diesel)	12,360	ND			Ethylbenzene				
Benzene					Oil & Grease				
Toluene					Heavy metals				
Other					Other				

Comments (Depth of Remediation, etc.):

Excavation to 23 ft.

IV. Closure

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? (Yes) No

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? (Yes) No

Does corrective action protect public health for current land use? (Yes) No

Site management requirements:

Should corrective action be reviewed if land use changes? Yes (No)

Monitoring wells Decommisioned: Yes No | Number Decommisioned: | Number Retained:

List enforcement actions taken:

Notice of Requirement to Reimburse

List enforcement actions rescinded:

V. Local Agency Representative Data

Name: Peter Brierty Title: Division Chief/Hazardous Materials Management

Signature: [signature] Date: 2-28-94

RAR

VI. RWQCB Notification

Date Submitted to RB: RB Response:

RWQCB Staff Name: Title: Date:

VII. Additional Comments Data etc.

STATE OF CALIFORNIA GEORGE DEUKMEJIAN, *Governor*

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SANTA ANA REGION
6809 INDIANA AVENUE, SUITE 200
RIVERSIDE, CALIFORNIA 92506
PHONE: (714) 782-4130

November 7, 1990

Leonard E. Robinson
Environmental/Safety Manager
TAMCO
P.O. Box 325
Etiwanda, CA 91739

REMEDIATION OF LEAD CONTAMINATED SOIL AT SITE SOUTHWEST OF TAMCO IN ETIWANDA

Dear Mr. Robinson:

We have reviewed the final report for remediation of the lead contaminated soil in adjacent properties southwest of your facility. The report was prepared by Cleanup Technology (CUT) and describes their methods of excavation, treatment and removal of lead contaminated soil from the property. It was noted that CUT re-sampled after the initial excavation and having still found contamination, conducted further excavation and re-sampling until it was fully verifed that all contamination had been removed.

We are satisfied that the cleanup of lead contaminated soil at the site has been completed to concentrations below acceptable levels There will be no further action by this agency with regard to this matter.

We have enjoyed working with you and appreciate your diligence and cooperation in resolving this matter.

If you have any questons please call me or Dan Brown of my staff.

Sincerely,

Gary D. Stewart, Chief
Special Projects Section.

cc: William Reese - Cleanup Technology
David Long - Waste Minimization/Strategic Planning
San Bernardino County, Environmental Health Services - Hazardous Waste and Toxic Control

DCB/tamcut

ENVIRONMENTAL HEALTH SERVICES

☑ 385 North Arrowhead Avenue • San Bernardino, CA 92415-0160 • (909) 387-4646
☐ 320 East "D" Street • Ontario, CA 91764 • (909) 391-7570
☐ 15505 Civic Drive • Victorville, CA 92392 • (619) 243-8141
☐ 17830 Arrow Boulevard • Fontana, CA 92335 • (909) 829-6244
☐ 57407 Twentynine Palms Highway • Yucca Valley, CA 92284 • (619) 228-5410
☐ San Bernardino County Vector Control Program
2355 East Fifth Street • San Bernardino, CA 92415-0064 • (909) 383-3200

94 MAR -2 PM 3:34

COUNTY OF SAN BERNARDINO
ENVIRONMENTAL
MANAGEMENT GROUP

PAMELLA BENNETT, R.E.H.S.
Director

Also serving the cities of:

Adelanto	Montclair
Apple Valley	Needles
Barstow	Ontario
Big Bear Lake	Rancho Cucamonga
Chino	Redlands
Chino Hills	Rialto
Colton	San Bernardino
Fontana	Twentynine Palms
Grand Terrace	Upland
Hesperia	Victorville
Highland	Yucaipa
Loma Linda	Yucca Valley

February 28, 1994

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SANTA ANA REGION
2010 IOWA AVE., SUITE 100
RIVERSIDE, CALIFORNIA 92507-2409

ATTENTION: KENNETH R. WILLIAMS, EXECUTIVE OFFICER

SUBJECT: LOCAL OVERSIGHT PROGRAM CASE CLOSURE SUMMARY(S)

Pursuant to requirements of the department's Local Oversight Program contract with the State Water Board, Please find enclosed the "Case Closure Summary(s)" for the following site(s) within your jurisdiction:

TAMCO
12459 Arrow Hwy.
Rancho Cucamonga, CA

As you are aware, conditions of the contract require a 30 day review period in which your agency may reject the recommended closure or request additional time. Therefore, without objection, the department will issue the standardized "Remedial Action Completion Certification" 35 days after the date of this correspondence.

If you have any questions, please call me at (909) 387-3041.

Ronald A Ripley

RONALD A. RIPLEY, R.E.H.S.
SUPERVISING ENVIRONMENTAL HEALTH SPECIALIST
HAZARDOUS MATERIALS MANAGEMENT
SITE REMEDIATION/LOCAL OVERSIGHT PROGRAM

RR:raa

Board of Supervisors
BARBARA CRAIG HODGEN ..... First District
JERRY EAVES ..... Fifth District

Case Closure Summary

Leaking Underground Fuel Storage Tank Program

I. Agency Information

Date: FEB 28 1994

Agency name: Environmental Health Services	Address: 385 N. Arrowhead Ave., 2nd Floor
City/State/ZIP: San Bernardino, CA 92415-0160	Phone: (909) 387-3041
Responsible staff person: Lisa Holst	Title: Env. Health Spec II

II. Case Information

Site facility name: TAMCO		
Site facility address: 12459 Arrow Hwy., Rancho Cucamonga		
RB LUSTIS Case No: 083602379T	Local Case No.:	LOP Case No.: 93063
URF filing date: 11-22-93	SWEEPS No: 36-000-008874-000001, 2, 3, 4	
Responsible Parties	Addresses	Phone Numbers
TAMCO	12459 Arrow Hwy., R. Cuca	(909) 899-0660

Tank No	Size in Gal.	Contents	Closed in-Place/Removed?	Date
1	50 K	Diesel	Removed	11-4-93
2	50 K	Diesel	Removed	11-4-93
3 & 4	50 K/50 K	Diesel	Removed	11-4-93

III. Release and Site Characterization Information

Cause and type of release: Piping leak at turbine		
Site characterization complete? (Yes) No	Date approved by oversight agency: 12-3-93	
Monitoring Wells Installed? Yes (No)	Number:	Proper screened interval? Yes No
Highest GW depth below ground surface: 100	Lowest Depth: 200	Flow direction:
Most Sensitive Current Use:		
Are drinking water wells affected? Yes (No)	Aquifer Name: N/A	
Is surface water affected? Yes (No)	Nearest/affected SW name:	
Off-site beneficial use impacts (addresses/locations):		
Report(s) on file? (Yes) No	Where is report filed? San Bernardino Co. DEHS	

Treatment and Disposal of Affected Material

Material	Amount (Include Units)	Action (Treatment or Disposal w/Destination)	Date
Tank	4 - 50 K	Decontaminated & sectioned at Erickson,	11-04-93
Piping	100 ft.	sent back to TAMCO as scrap to be processed	
Free Product		into rebar.	
Soil	633 cubic yards	Gibson Oil & Refining Facility, Bakersfield	10-21-93
Groundwater			12-08-93
Barrels			

Case Closure Summary
Leaking Underground Fuel Storage Tank Program

III. Release and Site Characterization Information (Continued)

Maximum Documented Contaminant Concentrations----Before and After Cleanup

Contaminant	Soil (ppm)		Water (ppm)		Contaminant	Soil (ppm)		Water (ppm)	
	Before	After	Before	After		Before	After	Before	After
TPH (Gas)					Xylene				
TPH (Diesel)	12,360	ND			Ethylbenzene				
Benzene					Oil & Grease				
Toluene					Heavy metals				
Other					Other				

Comments (Depth of Remediation, etc.):

Excavation to 23 ft.

IV. Closure

Does completed corrective action protect existing beneficial uses per the Regional Board Basin Plan? (Yes) No

Does completed corrective action protect potential beneficial uses per the Regional Board Basin Plan? (Yes) No

Does corrective action protect public health for current land use? (Yes) No

Site management requirements:

Should corrective action be reviewed if land use changes? Yes (No)

Monitoring wells Decommisioned: Yes No | Number Decommisioned: | Number Retained:

List enforcement actions taken:

Notice of Requirement to Reimburse

List enforcement actions rescinded:

V. Local Agency Representative Data

Name: Peter Brierty Title: Division Chief/Hazardous Materials Management

Signature: [signature] Date: 2-28-94

RAR

VI. RWQCB Notification

Date Submitted to RB: RB Response:

RWQCB Staff Name: Title: Date:

VII. Additional Comments Data etc.

STATE WATER RESOURCES CONTROL BOARD
GEOTRACKER

CASE SUMMARY

REPORT DATE
4/9/2012

HAZARDOUS MATERIAL INCIDENT REPORT FILED WITH OES?
N

I. REPORTED BY -
SOUTHERN CALIFORNIA EDISON

CREATED BY
ALLSTATE RECYCLING

III. SITE LOCATION
FACILITY NAME
All State Recycling

FACILITY ID

FACILITY ADDRESS
8949 Etiwanda avenue
Rancho Cucamonga, CA 91739
SAN BERNARDINO COUNTY

ORIENTATION OF SITE TO STREET

CROSS STREET

V. SUBSTANCES RELEASED / CONTAMINANT(S) OF CONCERN
LEAD

VI. DISCOVERY/ABATEMENT
DATE DISCHARGE BEGAN

DATE DISCOVERED	HOW DISCOVERED	DESCRIPTION
10/26/2010	Site Assessment/Site Investigation	contamination discovered during site investigation

DATE STOPPED	STOP METHOD	DESCRIPTION
	Other Means	

VII. SOURCE/CAUSE
SOURCE OF DISCHARGE
Other

CAUSE OF DISCHARGE
Unknown

DISCHARGE DESCRIPTION
surface contamination

VIII. CASE TYPE
CASE TYPE
Soil

IX. REMEDIAL ACTION

REMEDIAL ACTION	BEGIN DATE	END DATE	DESCRIPTION
Excavation	9/27/2012	11/21/2012	

X. GENERAL COMMENTS

XI. CERTIFICATION
I HEREBY CERTIFY THAT THE INFORMATION REPORTED HEREIN IS TRUE AND ACCURATE TO THE BEST OF MY KNOWLEDGE.

XII. REGULATORY USE ONLY

LOCAL AGENCY CASE NUMBER	REGIONAL BOARD CASE NUMBER
RO0001337V	

LOCAL AGENCY

CONTACT NAME	INITIALS	ORGANIZATION_NAME	EMAIL ADDRESS
CURTIS BRUNDAGE	CB	SAN BERNARDINO COUNTY	cbrundage@sbcfire.org

ADDRESS
620 S. E STREET
SAN BERNARDINO, CA 92415-0153

CONTACT DESCRIPTION

PHONE TYPE	PHONE NUMBER	EXTENSION
LANDLINE	(909)-386-8430	

REGIONAL BOARD

UNKNOWN

Copyright © 2023 State of California

SAN BERNARDINO COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO

OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 South "E" Street • San Bernardino, CA 92415-0153
(909) 386-8401 • Fax (909) 386-8460

MARK A. HARTWIG
Fire Chief

June 28, 2013

SOUTHERN CALIFORNIA EDISON (SCE)
1218 SOUTH FIFTH AVE
MONROVIA, CA 91016

ATTENTION: ED SIROTA, PE

SUBJECT: REVIEW OF REPORT DATED JANUARY 25, 2012 FOR REMEDIATION OF CONTAMINATED SOILS FOR ALLSTATE RECYCLING, 8949 ETIWANDA, RANCHO CUCAMONGA, CALIFORNIA 91739
RO0001337V

The Department has reviewed the report dated January 25, 2012 submitted by SCE. This letter confirms the completion of the site investigation and remedial action for the contaminated soil at the site. The remediation goals for this site have been met. With the provision that the information provided to this agency was accurate and representative of existing conditions, it is the position of the Department that no further action is required at this time.

Please be advised that this letter does not relieve you of any liability under the California Health and Safety Code or Water Code for past, present, or future operations at the site. Nor does it relieve you of the responsibility to clean up existing, additional, or previously identified conditions at the site, which cause or threaten to cause pollution or nuisance or otherwise pose a threat to water quality or public health.

Additionally, be advised that changes in the present or proposed use of the site may require further site characterization and mitigation activity. It is the property owner's responsibility to notify this agency of any changes in report content, future contamination findings, or site usage.

If you have any questions, please call me at (909) 386-8419.

Curtis R Brundage

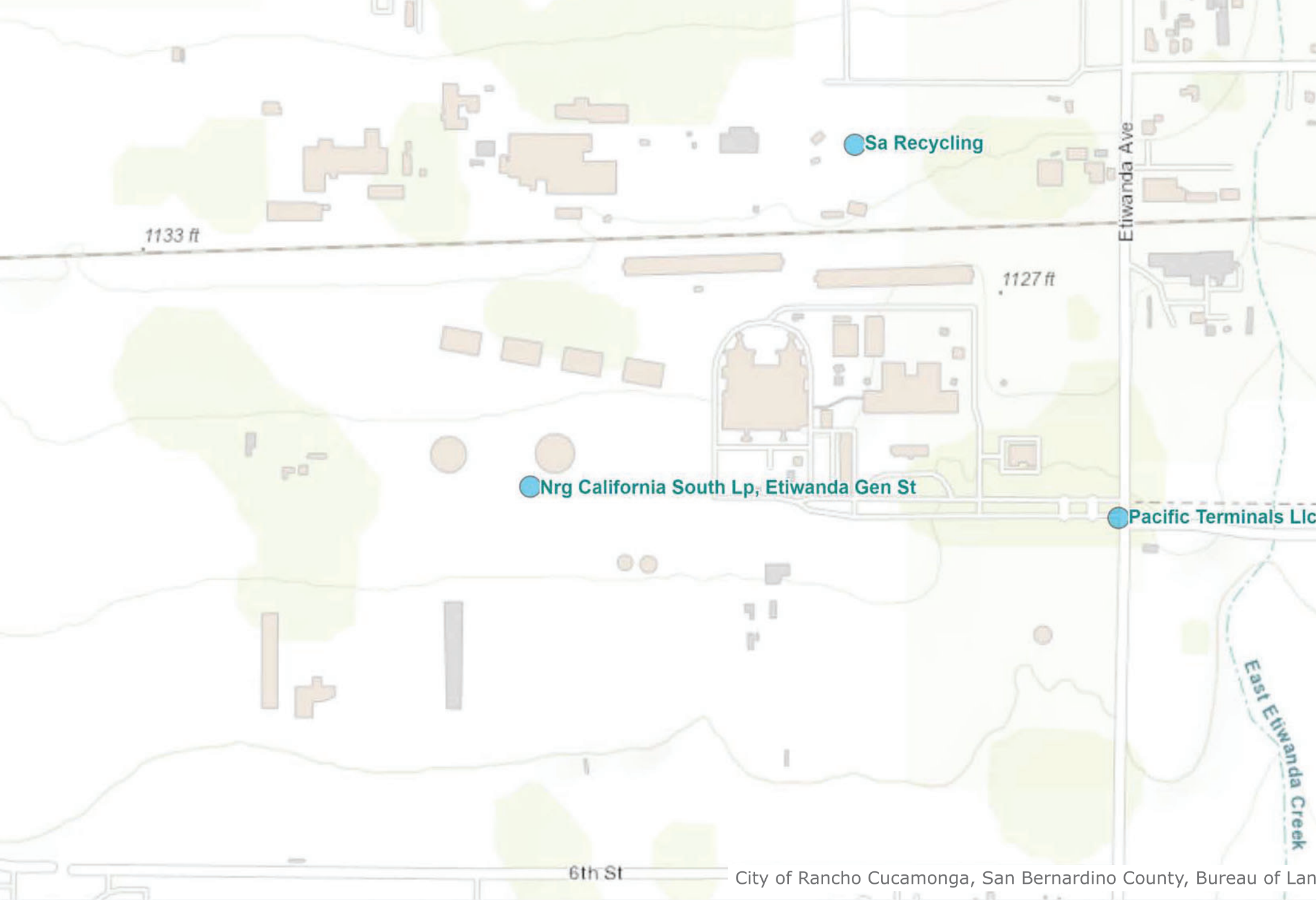
CURTIS BRUNDAGE, R.E.H.S.
ENVIRONMENTAL HEALTH SPECIALIST IV
HAZARDOUS MATERIALS DIVISION
SITE REMEDIATION

CB/ll

cc: Bob Holub, Regional Water Quality Control Board, Santa Ana Region
DTSC-Site Mitigation

GREGORY C. DEVEREAUX
Chief Executive Officer

Board of Supervisors
ROBERT A. LOVINGOOD ..... First District
JANICE RUTHERFORD..... Second District
JAMES RAMOS ..... Third District
GARY C. OVITT..... Fourth District
JOSIE GONZALES. ..... Fifth District


Sa Recycling
1133 ft
Etiwanda Ave
1127 ft
Nrg California South Lp, Etiwanda Gen St
Pacific Terminals Llc
East Etiwanda Creek
6th St
City of Rancho Cucamonga, San Bernardino County, Bureau of Lan

Lindsey Dandridge-Perry

From: LTrapp@aqmd.gov
Sent: Thursday, September 21, 2023 12:32 PM
To: Lindsey Dandridge-Perry
Cc: ob_pr_support_docs@aqmd.gov
Subject: SCAQMD Public Records Request# 1421095, -- Completion Letter

Follow Up Flag: Follow up
Flag Status: Flagged

External Email

South Coast Air Quality Management District

Lindsey Dandridge-perry

Kleinfelder

24411 Ridge Route Drive

Laguna Hills, Ca 92653

Ref: Request for Records; Control No. **1421095**, Received 9/14/2023

RE: P/O'S, EQL'S, NOV'S, N/C'S & EMISSION SUM FOR 8996 ETIWANDA AVE, RANCHO CUCAMONGA, CA, FROM 1/1/1923-9/13/2023.

After a thorough search of this agency's records, the following records were found:

P/O'S, EQL'S, NOV'S, N/C'S & EMISSION SUM [FOR ID 115315 IN FIND] FOR 8996 ETIWANDA AVE, RANCHO CUCAMONGA, CA, FROM 1/1/1923-9/13/2023.

Your records were provided --Electronically-- on 9/21/2023.

Your records were sent on a link via a separate email. If you don't see this email, please check your spam and/or junk mail.

Should you have any questions or need additional information, please do not hesitate to contact me at (909) 396-3700, Tuesday through Friday, between the hours of **8:00 a.m.** and **4:30 p.m.**

Sincerely,

Lora Trapp
For Colleen Paine
Public Records Coordinator
Information Management

SCAQMD Facility Equipment List Report

Facility: 8832 SO CAL EDISON CO UNIT NO.01 Status: Sold MR: 1409 SIC: 4911 Team:
Last Inspection: On Hold: Y Suspended: N TS: TS-90 Ref/Energy: Power Plants Quarter: 1000 - inspect in 1st quarter, every year
Contact: RECLAIM: N TITLE V: N AIRS ID: Assignment:
Location Address: 8996-98 ETIWANDA AVE, ETIWANDA 91739-9662 Sector:EG Inspector:
Mailing Address: P O BOX 800, ROSEMEAD 91770-0800 Sector:CG Inspection Date:
Instruction: Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
01291E	E03500	02/07/1980	INACTIVE	000221	BCAT	DEGREASER 1,1,1 TRICHLOROETHANE (>1LB/D)	01/01/1900	PERMIT TO OPERATE GRANTED
11199B	11199B	12/08/1975	INACTIVE	010305	BCAT	BOILER (>50 MMBTU/HR) NAT GAS-RESID PP	01/01/1900	PERMIT TO OPERATE GRANTED
11200B	11200B	12/08/1975	INACTIVE	010300	BCAT	BOILER,PWPL,COM G-O PS>3,	01/01/1900	PERMIT TO OPERATE GRANTED
11201B	11201B	12/08/1975	INACT_NR	010305	BCAT	BOILER (>50 MMBTU/HR) NAT GAS-RESID PP	01/01/1900	PERMIT TO OPERATE GRANTED
11202B	11202B	12/08/1975	INACTIVE	010300	BCAT	BOILER,PWPL,COM G-O PS>3,	01/01/1900	PERMIT TO OPERATE GRANTED
11203B	11203B	12/08/1975	INACTIVE	012309	BCAT	TURBINE ENGINE (>50 MW) ELE PEAK GAS-RES	01/01/1990	PERMIT TO OPERATE GRANTED
11204B	11204B	12/08/1975	INACTIVE	012309	BCAT	TURBINE ENGINE (>50 MW) ELE PEAK GAS-RES	01/01/1990	PERMIT TO OPERATE GRANTED
11205B	11205B	12/08/1975	INACTIVE	012309	BCAT	TURBINE ENGINE (>50 MW) ELE PEAK GAS-RES	01/01/1990	PERMIT TO OPERATE GRANTED
11206B	11206B	12/08/1975	INACTIVE	012309	BCAT	TURBINE ENGINE (>50 MW) ELE PEAK GAS-RES	01/01/1990	PERMIT TO OPERATE GRANTED
11207B	11207B	12/08/1975	INACTIVE	300900	BCAT	STORAGE TANK PETROLEUM MIDDLE DISTILLATE	01/01/1990	PERMIT TO OPERATE GRANTED
11207B	11207B	12/08/1975	INACTIVE	11	CCAT	INTERNAL COMBUSTION ENGINE AS AFTERBURNR	01/01/1990	PERMIT TO OPERATE GRANTED
11208B	11208B	12/08/1975	INACTIVE	300900	BCAT	STORAGE TANK PETROLEUM MIDDLE DISTILLATE	01/01/1990	PERMIT TO OPERATE GRANTED
11209B	11209B	12/08/1975	INACTIVE	300900	BCAT	STORAGE TANK PETROLEUM MIDDLE DISTILLATE	01/01/1990	PERMIT TO OPERATE GRANTED
11210B	11210B	12/08/1975	INACTIVE	300900	BCAT	STORAGE TANK PETROLEUM MIDDLE DISTILLATE	01/01/1990	PERMIT TO OPERATE GRANTED
11211B	11211B	12/08/1975	INACTIVE	300900	BCAT	STORAGE TANK PETROLEUM MIDDLE DISTILLATE	01/01/1990	PERMIT TO OPERATE GRANTED
11212B	11212B	12/08/1975	INACTIVE	300900	BCAT	STORAGE TANK PETROLEUM MIDDLE DISTILLATE	01/01/1990	PERMIT TO OPERATE GRANTED
11213B	11213B	12/08/1975	INACTIVE	300900	BCAT	STORAGE TANK PETROLEUM MIDDLE DISTILLATE	01/01/1990	PERMIT TO OPERATE GRANTED
11214B	11214B	12/08/1975	INACTIVE	300900	BCAT	STORAGE TANK PETROLEUM MIDDLE DISTILLATE	01/01/1990	PERMIT TO OPERATE GRANTED
11215B	11215B	12/08/1975	INACTIVE	300900	BCAT	STORAGE TANK PETROLEUM MIDDLE DISTILLATE	01/01/1900	PERMIT TO OPERATE GRANTED
139968	M94505	07/19/1990	INACTIVE	91	CCAT	AMINE TREATING	12/24/1985	PERMIT TO OPERATE GRANTED
139968	M94505	07/19/1990	INACTIVE	248915	BCAT	SERV STAT STORAGE & DISPENSING GASOLINE	12/24/1985	PERMIT TO OPERATE GRANTED
171617				010300	BCAT	BOILER,PWPL,COM G-O PS>3,	06/30/1988	APPLICATION CANCELLED, REFUND ALL FEES
198285	D40965	06/02/1992	INACTIVE	044501	BCAT	I C E (50-500 HP) EM FIRE FGHT-NG & LPG	06/02/1989	PERMIT TO OPERATE GRANTED
198308	D18326	04/03/1990	INACTIVE	044401	BCAT	I C E (50-500 HP) EM FIRE FGHT-GASOLINE	06/02/1989	PERMIT TO OPERATE GRANTED
213544				666108	BCAT	COOLING TOWERS-HEX CHROME COMPLIANCE	10/02/1989	APPLICATION CANCELLED, REFUND ALL FEES
225815				010300	BCAT	BOILER,PWPL,COM G-O PS>3,	04/04/1990	APPLICATION CANCELLED, KEEP FILING FEES
225815				82	CCAT	NH3 INJECTION (NOX)	04/04/1990	APPLICATION CANCELLED, KEEP FILING FEES
225818				82	CCAT	NH3 INJECTION (NOX)	04/04/1990	APPLICATION CANCELLED, KEEP FILING FEES
225818				010300	BCAT	BOILER,PWPL,COM G-O PS>3,	04/04/1990	APPLICATION CANCELLED, KEEP FILING FEES
231009				011000	BCAT	BOILER, NATURAL GAS	06/15/1990	APPLICATION CANCELLED, REFUND ALL FEES
248385	D99437	05/28/1996	INACTIVE	86	CCAT	NOX CONTROL OTHER	05/01/1991	PERMIT TO OPERATE GRANTED
248385	D99437	05/28/1996	INACTIVE	010309	BCAT	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	05/01/1991	PERMIT TO OPERATE GRANTED
248386	D99438	05/28/1996	INACTIVE	86	CCAT	NOX CONTROL OTHER	05/01/1991	PERMIT TO OPERATE GRANTED
248386	D99438	05/28/1996	INACTIVE	010309	BCAT	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	05/01/1991	PERMIT TO OPERATE GRANTED
261513	D99442	05/28/1996	INACTIVE	86	CCAT	NOX CONTROL OTHER	01/23/1992	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 8832 SO CAL EDISON CO UNIT NO.01 Status: Sold MR: 1409 SIC: 4911 Team:
Last Inspection: On Hold: Y Suspended: N TS: TS-90 Ref/Energy: Power Plants Quarter: 1000 - inspect in 1st quarter, every year
Contact: RECLAIM: N TITLE V: N AIRS ID: Assignment:
Location Address: 8996-98 ETIWANDA AVE, ETIWANDA 91739-9662 Sector:EG Inspector:
Mailing Address: P O BOX 800, ROSEMEAD 91770-0800 Sector:CG Inspection Date:
Instruction: Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
261513	D99442	05/28/1996	INACTIVE	010309	BCAT	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	01/23/1992	PERMIT TO OPERATE GRANTED
264331				666015	BCAT	PLAN RULE 708.1	01/01/1900	APPLICATION CANCELLED, KEEP FILING FEES
297087				666011	BCAT	PLAN RULE 463 (D)(2)	09/19/1994	BANKING/ PLAN GRANTED, NON BILLABLE
319554	F6262	04/03/1997	INACTIVE	86	CCAT	NOX CONTROL OTHER	08/16/1996	PERMIT TO OPERATE GRANTED
319554	F6262	04/03/1997	INACTIVE	010309	BCAT	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	08/16/1996	PERMIT TO OPERATE GRANTED
319556	F6263	04/03/1997	INACTIVE	86	CCAT	NOX CONTROL OTHER	08/16/1996	PERMIT TO OPERATE GRANTED
319556	F6263	04/03/1997	INACTIVE	010309	BCAT	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	08/16/1996	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 24296 SO CAL EDISON CO (EIS USE) Status: Out of Business MR: 1404 SIC: Team:
Last Inspection: 06/01/1981 On Hold: Suspended: N TS: TS-90 Ref/Energy: Power Plants Quarter: none - do not inspect
Contact: RECLAIM: N TITLE V: N AIRS ID: Assignment:
Location Address: 8996 ETIWANDA AVE, ETIWANDA 91770 Sector:CG Inspector:
Mailing Address: P O BOX 800, ROSEMEAD 91770-0800 Sector:CG Inspection Date:
Instruction: Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: ltrapp

SCAQMD Facility Equipment List Report

Run Date : 09/14/2023 10:18 AM

Facility: 115315 NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST Status: Active MR: E SIC: 4911 Team: MS
Last Inspection: 04/27/2017 On Hold: N Suspended: N TS: TS-02 Cycle II RECLAIM/Title V Facility Quarter: 0100 - inspect in 2nd quarter, every year
Contact: BRIAN C MC QUOWN (702) 4074861 RECLAIM: Y TITLE V: Y AIRS ID: 06071CA149 Assignment: 1633100
Location Address: 8996 ETIWANDA AVE, ETIWANDA 91739 Sector:EG Inspector: BK01 BRETT KIMBERLY
Mailing Address: 8996 ETIWANDA AVE, RANCHO CUCAMONGA 91739 Sector:EG Inspection Date: 04/27/2017
Instruction: Disposition: Operating in Compliance at time of inspection

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
338883	F15036	07/24/1998	INACTIVE	248915	BCAT	SERV STAT STORAGE & DISPENSING GASOLINE	03/31/1998	PERMIT TO OPERATE GRANTED
338884	F15035	07/24/1998	INACTIVE	044501	BCAT	I C E (50-500 HP) EM FIRE FGHT-NG & LPG	03/31/1998	PERMIT TO OPERATE GRANTED
338885	F15544	08/20/1998	INACTIVE	044401	BCAT	I C E (50-500 HP) EM FIRE FGHT-GASOLINE	03/31/1998	PERMIT TO OPERATE GRANTED
338886	F15162	07/29/1998	INACTIVE	012309	BCAT	TURBINE ENGINE (>50 MW) ELE PEAK GAS-RES	03/31/1998	PERMIT TO OPERATE GRANTED
338888	F15186	07/30/1998	INACTIVE	012309	BCAT	TURBINE ENGINE (>50 MW) ELE PEAK GAS-RES	03/31/1998	PERMIT TO OPERATE GRANTED
338890	F15167	07/29/1998	INACTIVE	012309	BCAT	TURBINE ENGINE (>50 MW) ELE PEAK GAS-RES	03/31/1998	PERMIT TO OPERATE GRANTED
338891	F15161	07/29/1998	INACTIVE	012309	BCAT	TURBINE ENGINE (>50 MW) ELE PEAK GAS-RES	03/31/1998	PERMIT TO OPERATE GRANTED
338892	F15157	07/29/1998	INACTIVE	300900	BCAT	STORAGE TANK PETROLEUM MIDDLE DISTILLATE	03/31/1998	PERMIT TO OPERATE GRANTED
338893	F15163	07/29/1998	INACTIVE	010309	BCAT	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	03/31/1998	PERMIT TO OPERATE GRANTED
338894	F15034	07/24/1998	INACTIVE	010309	BCAT	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	03/31/1998	PERMIT TO OPERATE GRANTED
338895	F15545	08/20/1998	INACTIVE	010309	BCAT	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	03/31/1998	PERMIT TO OPERATE GRANTED
338896	F15546	08/20/1998	INACTIVE	010309	BCAT	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	03/31/1998	PERMIT TO OPERATE GRANTED
340465	F14540	06/23/1998	INACTIVE	000581	BCAT	SUMP, CONTAINMENT	05/07/1998	PERMIT TO OPERATE GRANTED
343082				555001	BCAT	INITIAL TITLE V PERMIT APPLICATION	07/21/1998	BANKING/ PLAN GRANTED, NON BILLABLE
348649				666108	BCAT	COOLING TOWERS-HEX CHROME COMPLIANCE	11/06/1998	BANKING/ PLAN GRANTED, NON BILLABLE
375847				010009	BCAT	BOILER UTILITY (>50 MW)	10/17/2000	APPLICATION CANCELLED, KEEP ALL FEES
375848				010009	BCAT	BOILER UTILITY (>50 MW)	10/17/2000	APPLICATION CANCELLED, KEEP ALL FEES
375849				81	CCAT	SELECTIVE CATALYTIC REDUCTION	10/17/2000	APPLICATION CANCELLED, KEEP ALL FEES
375850				81	CCAT	SELECTIVE CATALYTIC REDUCTION	10/17/2000	APPLICATION CANCELLED, KEEP ALL FEES
375852	G1544	02/18/2009	INACTIVE	210901	BCAT	STORAGE TANK W/ VAPOR CONTROL AMMONIA	10/17/2000	PERMIT TO OPERATE GRANTED
376914	G1543	02/18/2009	INACTIVE	210901	BCAT	STORAGE TANK W/ VAPOR CONTROL AMMONIA	11/16/2000	PERMIT TO OPERATE GRANTED
376937				555007	BCAT	Title V Permit Revision	11/16/2000	BANKING/ PLAN GRANTED, NON BILLABLE
380419				010209	BCAT	BOILER UTILITY (>50 MW)NAT.GAS/DIST.FUEL	01/24/2001	APPLICATION CANCELLED, KEEP ALL FEES
380420				010209	BCAT	BOILER UTILITY (>50 MW)NAT.GAS/DIST.FUEL	01/24/2001	APPLICATION CANCELLED, KEEP ALL FEES
380499				555007	BCAT	Title V Permit Revision	01/25/2001	BANKING/ PLAN GRANTED, NON BILLABLE
390729				666207	BCAT	R2009-POWER FAC PLANS	09/06/2001	APPLICATION DENIED
397047				666207	BCAT	R2009-POWER FAC PLANS	02/05/2002	BANKING/ PLAN GRANTED, NON BILLABLE
403974				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	07/12/2002	BANKING/ PLAN GRANTED, NON BILLABLE
403975				81	CCAT	SELECTIVE CATALYTIC REDUCTION	07/12/2002	APPLICATION CANCELLED, KEEP ALL FEES
403976				81	CCAT	SELECTIVE CATALYTIC REDUCTION	07/12/2002	APPLICATION CANCELLED, KEEP ALL FEES
403977				010209	BCAT	BOILER UTILITY (>50 MW)NAT.GAS/DIST.FUEL	07/12/2002	APPLICATION CANCELLED, KEEP ALL FEES
403977				81	CCAT	SELECTIVE CATALYTIC REDUCTION	07/12/2002	APPLICATION CANCELLED, KEEP ALL FEES
403978				81	CCAT	SELECTIVE CATALYTIC REDUCTION	07/12/2002	APPLICATION CANCELLED, KEEP ALL FEES
403978				010209	BCAT	BOILER UTILITY (>50 MW)NAT.GAS/DIST.FUEL	07/12/2002	APPLICATION CANCELLED, KEEP ALL FEES
403979				210902	BCAT	STORAGE TANK FX RF W/CTL AMMONIA	07/12/2002	APPLICATION CANCELLED, KEEP ALL FEES

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: ltrapp

SCAQMD Facility Equipment List Report

Run Date : 09/14/2023 10:18 AM

Facility: 115315 NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST Status: Active MR: E SIC: 4911 Team: MS
Last Inspection: 04/27/2017 On Hold: N Suspended: N TS: TS-02 Cycle II RECLAIM/Title V Facility Quarter: 0100 - inspect in 2nd quarter, every year
Contact: BRIAN C MC QUOWN (702) 4074861 RECLAIM: Y TITLE V: Y AIRS ID: 06071CA149 Assignment: 1633100
Location Address: 8996 ETIWANDA AVE, ETIWANDA 91739 Sector:EG Inspector: BK01 BRETT KIMBERLY
Mailing Address: 8996 ETIWANDA AVE, RANCHO CUCAMONGA 91739 Sector:EG Inspection Date: 04/27/2017
Instruction: Disposition: Operating in Compliance at time of inspection

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
408936				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	11/21/2002	BANKING/ PLAN GRANTED, NON BILLABLE
408937				010009	BCAT	BOILER UTILITY (>50 MW)	11/21/2002	APPLICATION CANCELLED, KEEP ALL FEES
408938				010009	BCAT	BOILER UTILITY (>50 MW)	11/21/2002	APPLICATION CANCELLED, KEEP ALL FEES
409111	F57282	12/20/2002	INACTIVE	044501	BCAT	I C E (50-500 HP) EM FIRE FGHT-NG & LPG	11/21/2002	PERMIT TO OPERATE GRANTED
409114	F57281	12/20/2002	INACTIVE	044401	BCAT	I C E (50-500 HP) EM FIRE FGHT-GASOLINE	11/21/2002	PERMIT TO OPERATE GRANTED
413397				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	03/26/2003	BANKING/ PLAN GRANTED, NON BILLABLE
413409				81	CCAT	SELECTIVE CATALYTIC REDUCTION	03/26/2003	APPLICATION CANCELLED, KEEP ALL FEES
413409				010009	BCAT	BOILER UTILITY (>50 MW)	03/26/2003	APPLICATION CANCELLED, KEEP ALL FEES
413410				81	CCAT	SELECTIVE CATALYTIC REDUCTION	03/26/2003	APPLICATION CANCELLED, KEEP ALL FEES
413410				010009	BCAT	BOILER UTILITY (>50 MW)	03/26/2003	APPLICATION CANCELLED, KEEP ALL FEES
415897				81	CCAT	SELECTIVE CATALYTIC REDUCTION	05/23/2003	APPLICATION CANCELLED, KEEP ALL FEES
415897				012008	BCAT	TURBINE ENGINE (<=50 MW) EL PEAK NG ONLY	05/23/2003	APPLICATION CANCELLED, KEEP ALL FEES
415898				81	CCAT	SELECTIVE CATALYTIC REDUCTION	05/23/2003	APPLICATION CANCELLED, KEEP ALL FEES
415898				012008	BCAT	TURBINE ENGINE (<=50 MW) EL PEAK NG ONLY	05/23/2003	APPLICATION CANCELLED, KEEP ALL FEES
415899				81	CCAT	SELECTIVE CATALYTIC REDUCTION	05/23/2003	APPLICATION CANCELLED, KEEP ALL FEES
415899				012008	BCAT	TURBINE ENGINE (<=50 MW) EL PEAK NG ONLY	05/23/2003	APPLICATION CANCELLED, KEEP ALL FEES
415900				81	CCAT	SELECTIVE CATALYTIC REDUCTION	05/23/2003	APPLICATION CANCELLED, KEEP ALL FEES
415900				012008	BCAT	TURBINE ENGINE (<=50 MW) EL PEAK NG ONLY	05/23/2003	APPLICATION CANCELLED, KEEP ALL FEES
415901				210902	BCAT	STORAGE TANK FX RF W/CTL AMMONIA	05/23/2003	APPLICATION CANCELLED, KEEP ALL FEES
415902				81	CCAT	SELECTIVE CATALYTIC REDUCTION	05/23/2003	APPLICATION CANCELLED, KEEP ALL FEES
415903				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	05/23/2003	APPLICATION CANCELLED, KEEP ALL FEES
416889				81	CCAT	SELECTIVE CATALYTIC REDUCTION	06/24/2003	APPLICATION CANCELLED, KEEP ALL FEES
416890				81	CCAT	SELECTIVE CATALYTIC REDUCTION	06/24/2003	APPLICATION CANCELLED, KEEP ALL FEES
416891				81	CCAT	SELECTIVE CATALYTIC REDUCTION	06/24/2003	APPLICATION CANCELLED, KEEP ALL FEES
422331				555008	BCAT	TITLE V PERMIT ADMIN-AMENDMENT	10/21/2003	BANKING/ PLAN GRANTED, NON BILLABLE
422332				666207	BCAT	R2009-POWER FAC PLANS	10/21/2003	BANKING/ PLAN GRANTED, NON BILLABLE
426650				555002	BCAT	TITLE V PERMIT RENEWAL APPLICATION	02/24/2004	BANKING/ PLAN GRANTED, NON BILLABLE
426651				555008	BCAT	TITLE V PERMIT ADMIN-AMENDMENT	02/24/2004	BANKING/ PLAN GRANTED, NON BILLABLE
431106	G1545	02/18/2009	INACTIVE	81	CCAT	SELECTIVE CATALYTIC REDUCTION	06/03/2004	PERMIT TO OPERATE GRANTED
431106	G1545	02/18/2009	INACTIVE	010009	BCAT	BOILER UTILITY (>50 MW)	06/03/2004	PERMIT TO OPERATE GRANTED
431107	G1546	02/18/2009	INACTIVE	81	CCAT	SELECTIVE CATALYTIC REDUCTION	06/03/2004	PERMIT TO OPERATE GRANTED
431107	G1546	02/18/2009	INACTIVE	010009	BCAT	BOILER UTILITY (>50 MW)	06/03/2004	PERMIT TO OPERATE GRANTED
431108	G1542	02/18/2009	INACTIVE	81	CCAT	SELECTIVE CATALYTIC REDUCTION	06/03/2004	PERMIT TO OPERATE GRANTED
431109				555012	BCAT	TV/RECLAIM REVISION-NOEVAL	06/03/2004	BANKING/ PLAN GRANTED, NON BILLABLE
431124	G1541	02/18/2009	INACTIVE	81	CCAT	SELECTIVE CATALYTIC REDUCTION	06/03/2004	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

User: ltrapp

SCAQMD Facility Equipment List Report

Run Date : 09/14/2023 10:18 AM

Facility: 115315 NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST Status: Active MR: E SIC: 4911 Team: MS
Last Inspection: 04/27/2017 On Hold: N Suspended: N TS: TS-02 Cycle II RECLAIM/Title V Facility Quarter: 0100 - inspect in 2nd quarter, every year
Contact: BRIAN C MC QUOWN (702) 4074861 RECLAIM: Y TITLE V: Y AIRS ID: 06071CA149 Assignment: 1633100
Location Address: 8996 ETIWANDA AVE, ETIWANDA 91739 Sector:EG Inspector: BK01 BRETT KIMBERLY
Mailing Address: 8996 ETIWANDA AVE, RANCHO CUCAMONGA 91739 Sector:EG Inspection Date: 04/27/2017
Instruction: Disposition: Operating in Compliance at time of inspection

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
468529				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	05/01/2007	APPLICATION CANCELLED, KEEP ALL FEES
468530				013009	BCAT	TURBINE ENGINE (>50 MW) NAT GAS ONLY	05/01/2007	APPLICATION CANCELLED, KEEP ALL FEES
468531				81	CCAT	SELECTIVE CATALYTIC REDUCTION	05/01/2007	APPLICATION CANCELLED, KEEP ALL FEES
468533				013009	BCAT	TURBINE ENGINE (>50 MW) NAT GAS ONLY	05/01/2007	APPLICATION CANCELLED, KEEP ALL FEES
468534				81	CCAT	SELECTIVE CATALYTIC REDUCTION	05/01/2007	APPLICATION CANCELLED, KEEP ALL FEES
468535				011005	BCAT	BOILER (>50 MMBTU/HR) NAT GAS ONLY	05/01/2007	APPLICATION CANCELLED, KEEP ALL FEES
468536				210900	BCAT	STORAGE TANK AMMONIA	05/01/2007	APPLICATION CANCELLED, KEEP ALL FEES
469521				555008	BCAT	TITLE V PERMIT ADMIN-AMENDMENT	05/23/2007	BANKING/ PLAN GRANTED, NON BILLABLE
469522				555008	BCAT	TITLE V PERMIT ADMIN-AMENDMENT	05/23/2007	BANKING/ PLAN GRANTED, NON BILLABLE
469524				248915	BCAT	SERV STAT STORAGE & DISPENSING GASOLINE	05/23/2007	APPLICATION REJECTED
469526				81	CCAT	SELECTIVE CATALYTIC REDUCTION	05/23/2007	APPLICATION CANCELLED, KEEP ALL FEES
469526				010009	BCAT	BOILER UTILITY (>50 MW)	05/23/2007	APPLICATION CANCELLED, KEEP ALL FEES
469527				81	CCAT	SELECTIVE CATALYTIC REDUCTION	05/23/2007	APPLICATION CANCELLED, KEEP ALL FEES
469527				010009	BCAT	BOILER UTILITY (>50 MW)	05/23/2007	APPLICATION CANCELLED, KEEP ALL FEES
500160				000284	BCAT	ABRASIVE BLASTING (CABINET/MACHINE/ROOM)	07/01/2009	APPLICATION CANCELLED, KEEP ALL FEES
500161				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	07/01/2009	APPLICATION CANCELLED, KEEP ALL FEES
503707				555009	BCAT	FACILITY PERMIT AMEND-RECLAIM/TITLE V	11/13/2009	BANKING/ PLAN GRANTED, NON BILLABLE
503709	G7574	03/09/2010	INACTIVE	044901	BCAT	I C E (50-500 HP) EM FIRE FGHT-DIESEL	11/13/2009	PERMIT TO OPERATE GRANTED
554596				555012	BCAT	TV/RECLAIM REVISION-NOEVAL	07/24/2013	BANKING/ PLAN GRANTED, NON BILLABLE
556612	G29020	12/13/2013	INACTIVE	011901	BCAT	BOILER (<5 MMBTU/HR) DIESEL	09/25/2013	PERMIT TO OPERATE GRANTED
556665				555002	BCAT	TITLE V PERMIT RENEWAL APPLICATION	09/25/2013	BANKING/ PLAN GRANTED, NON BILLABLE
560988	G30321	03/11/2014	INACTIVE	015102	BCAT	BOILER/HOTWATER HEATER,SINGLE FACILITY,PORT,	02/25/2014	PERMIT TO OPERATE GRANTED
601099	G50955	03/02/2018	INACTIVE	222001	BCAT	Cooling Tower, Rule 222	02/21/2018	PERMIT TO OPERATE GRANTED
601100	G50956	03/02/2018	INACTIVE	222001	BCAT	Cooling Tower, Rule 222	02/23/2018	PERMIT TO OPERATE GRANTED
605009				010009	BCAT	BOILER UTILITY (>50 MW)	06/21/2018	ASSIGNED TO ENGINEER - CLASS III
605010				010009	BCAT	BOILER UTILITY (>50 MW)	06/21/2018	ASSIGNED TO ENGINEER - CLASS III

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 1084 SO CAL EDISON CO UNIT NO. 2 008832 Status: DUPLICATE MR: 1404 SIC: 4911 Team:
Last Inspection: 08/08/1991 On Hold: Y Suspended: TS: TS-91 Ref/Energy: Floating Roof Tanks Quarter: none - do not inspect
Contact: RECLAIM: N TITLE V: Y AIRS ID: Assignment:
Location Address: 8996 ETIWANDA AVE, ETIWANDA 91739-9697 Sector:EG Inspector:
Mailing Address: P O BOX 800, ROSEMEAD 91770-0800 Sector:CG Inspection Date:
Instruction: Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

South Coast Air Quality Management District

NOV P55708

Run Date : 9/19/2023 16:55:18

Company

Facility:	RRI ENERGY ETIWANDA, INC. (ID: 115315)
Location Address:	8996 ETIWANDA, AVE ETIWANDA, CA 91739
Mailing Address:	7251 AMIGO, ST LAS VEGAS, NV 89119
AIRS ID	06071CA149

Violation

Notice Issued Date:	11/24/2009
Violation Date:	10/31/2008
Serve To:	BRIAN MC QUOWN
Title:	SR ENVIRON ENGINEER
Issue By:	JOHN LEVY (Team: Z)
Assignment No.:	1139663
Equipment Description:	

Violation: FACILITY SUBMITTED THE QUARTERLY CERTIFICATION OF EMISSIONS (QCER) FOR THE THIRD QUARTER OF 2008 LATE.

Disposition

Final Action Code:	CLO 3/25/2010 00:00:00
Achieved Date:	12/09/2009
Due Date:	
Violation Days:	0

Rule/Comment

2004 (b)(1)

Emittent

Follow-Up

Status: INCOMP Inspector ID: JL01 Inspection Date: 12/09/09 00:00 Number:

Lap Sample Numbers

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: ltrapp

South Coast Air Quality Management District

NOV P55525

Run Date : 9/19/2023 16:55:52

Company

Facility:	GEN ON WEST, LP (ID: 115315)
Location Address:	8996 ETIWANDA, AVE ETIWANDA, CA 91739
Mailing Address:	8996 ETIWANDA, AVE RANCHO CUCAMONGA, CA 91739
AIRS ID	06071CA149

Violation

Notice Issued Date:	4/27/2012
Violation Date:	11/28/2011
Serve To:	MICHAEL ESCARCEGA
Title:	SR. A.Q. ENG
Issue By:	JOHN G LEE (Team: MS)
Assignment No.:	1305860
Equipment Description:	
Violation:	Failure to electronically report total daily mass emissions of NOx & daily status codes to the district central NOx station for each major NOx source on 11/27/11

Disposition

Final Action Code:	CLO 9/18/2018 07:00:00
Achieved Date:	
Due Date:	
Violation Days:	0

Rule/Comment

2012 (c)(3)(A)

Emittent

Follow-Up

Status: Inspector ID: Inspection Date: Number:

Lap Sample Numbers

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: ltrapp

South Coast Air Quality Management District

NOV P52601

Run Date : 9/19/2023 16:56:10

Company

Facility:	RELIANT ENERGY ETIWANDA, INC. (ID: 115315)
Location Address:	8996 ETIWANDA, AVE ETIWANDA, CA 91739
Mailing Address:	7251 AMIGO, ST LAS VEGAS, NV 89119
AIRS ID	06071CA149

Violation

Notice Issued Date:	7/10/2008
Violation Date:	1/1/2000
Serve To:	BRIAN MC QUOWN
Title:	SENIOR ENGINEER
Issue By:	MARTHA THOMAS (Team: I)
Assignment No.:	1056483
Equipment Description:	

Violation: NOx emis from the beg of the 2000 compl yr through the end of the last qrtr & NOx emissions from the beg of the 2001 compl yr through the end of the 1st, 2nd, 3rd, & last qrtrs exceeded the annual NOx emis alloc in effect at the end of the recon period.

Disposition

Final Action Code:	CLO 12/5/2008 00:00:00
Achieved Date:	
Due Date:	
Violation Days:	0

Rule/Comment

2004 (b)(1), (b)(4), (d)(1)

Emittent

Follow-Up

Status: Inspector ID: Inspection Date: Number:

Lap Sample Numbers

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: ltrapp

South Coast Air Quality Management District

NOV P32810

Run Date : 9/19/2023 16:56:26

Company

Facility:	RELIANT ENERGY ETIWANDA, LLC. (ID: 115315)
Location Address:	8996 ETIWANDA, AVE RANCHO CUCAMONGA, CA 91739
Mailing Address:	7251 AMIGO, ST V, NV 89119
AIRS ID	06071CA149

Violation

Notice Issued Date:	1/16/2003
Violation Date:	12/31/2001
Serve To:	BRIAN MCQUOWN
Title:	SR ENGR AIR RESOURCES DIV
Issue By:	MARTHA THOMAS (Team: I)
Assignment No.:	744256
Equipment Description:	1020MW POWER GENERATION BOILERS
Violation:	NOX EMISSIONS EXCEEDED ALLOCATION FOR EACH OF THE FOUR QUARTERS IN COMPLIANCE YEAR 2001

Disposition

Final Action Code:	CLO 6/11/2003 00:00:00
Achieved Date:	06/11/2003
Due Date:	
Violation Days:	0

Rule/Comment

2004 (d)

Emittent

Follow-Up

Status: INCOMP Inspector ID: MT01 Inspection Date: 06/11/03 00:00 Number:

Lap Sample Numbers

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: ltrapp

South Coast Air Quality Management District

NOV P31149

Run Date : 9/19/2023 16:56:52

Company

Facility:	RELIANT ENERGY ETIWANDA, LLC. (ID: 115315)
Location Address:	8996 ETIWANDA, AVE ETIWANDA, CA 91739
Mailing Address:	12301 KURLAND HOUSTON, CA 77034
AIRS ID	06071CA149

Violation

Notice Issued Date:	6/22/2001
Violation Date:	6/21/2001
Serve To:	DAN BEST
Title:	G.M.
Issue By:	JEFFREY C SHORT (Team: I)
Assignment No.:	671271
Equipment Description:	
Violation:	VISIBLE EMISSIONS FREM A BOILER UNIT AT GREATER THAN 2 RINGLEMAN AGGREGATTING GREATER THAN THREE MINUTES IN AN HOUR.

Disposition

Final Action Code:	CLO 3/26/2002 00:00:00
Achieved Date:	06/22/2001
Due Date:	
Violation Days:	0

Rule/Comment

401 b, 1, A

Emittent

Follow-Up

Status: INCOMP Inspector ID: JS02 Inspection Date: 06/22/01 00:00 Number:

Lap Sample Numbers

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: ltrapp

South Coast Air Quality Management District

NC E09434

Run Date : 9/19/2023 16:57:12

Company

Facility:	NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (ID: 115315)
Location Address:	8996 ETIWANDA, AVE ETIWANDA, CA 91739
Mailing Address:	8996 ETIWANDA, AVE RANCHO CUCAMONGA, CA 91739
AIRS ID	06071CA149

Violation

Notice Issued Date:	4/25/2018
Violation Date:	4/3/2018
Serve To:	LEE MOORE
Title:	PLANT MANAGER
Issue By:	BRETT KIMBERLY (Team: MS)
Assignment No.:	1684872
Compliance Achieved Date:	05/15/2018
Equipment Description:	
Compliance Requirements:	1. Report quarterly Process unit NOx emissions to the District Central Station by the end of quarterly reconciliation. 2. Report quarterly Rule 219 exempt equipment NOx emissions to the District Central Station by the end of quarterly reconciliation

Disposition

Final Action Code:	CLO 5/15/2018 00:00:00
Due Date:	5/9/2018
Violation Days:	0

Rule/Comment

2012 g7
2012(E)(2)(B)

Emittent

NOX

Follow-Up

Status: INCOMP Inspector ID: BK01 Inspection Date: 05/15/18 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: ltrapp

South Coast Air Quality Management District

NC E09427

Run Date : 9/19/2023 16:57:35

Company

Facility:	NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (ID: 115315)
Location Address:	8996 ETIWANDA, AVE ETIWANDA, CA 91739
Mailing Address:	8996 ETIWANDA, AVE RANCHO CUCAMONGA, CA 91739
AIRS ID	06071CA149

Violation

Notice Issued Date:	1/13/2017
Violation Date:	5/4/2016
Serve To:	APEETHA JAIN
Title:	ENV. SUPERVISOR
Issue By:	BRETT KIMBERLY (Team: MS)
Assignment No.:	1603079
Compliance Achieved Date:	01/31/2017
Equipment Description:	District Central Station by the end of quarterly reconciliation
Compliance Requirements:	electronic reports of major source total daily mass emissions of NOx shall be accurate. If the facility permit holder is aware, or should reasonably be aware, that a daily mass emission total has changed, an updated transmission shall be sent to the

Disposition

Final Action Code:	CLO 1/31/2017 00:00:00
Due Date:	1/27/2017
Violation Days:	0

Rule/Comment

2012(C)(3)(A)

Emittent

Follow-Up

Status: INCOMP Inspector ID: BK01 Inspection Date: 01/31/17 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: ltrapp

South Coast Air Quality Management District

NC D13868

Run Date : 9/19/2023 16:57:57

Company

Facility:	RRI ENERGY ETIWANDA, INC. (ID: 115315)
Location Address:	
Mailing Address:	, CA
AIRS ID	06071CA149

Violation

Notice Issued Date:	11/6/2009
Violation Date:	11/6/2009
Serve To:	BRIAN MC QUOWN
Title:	SR ENVIRON ENGINEER
Issue By:	JOHN LEVY (Team: Z)
Assignment No.:	1137394
Compliance Achieved Date:	12/08/2009
Equipment Description:	
Compliance Requirements:	PROVIDE REQUESTED ITEMS FOR 2008 RECLAIM/TITLE V AUDIT (LIST E-MAILED TO YOU ON 11/6/09).

Disposition

Final Action Code:	
Due Date:	11/13/2009
Violation Days:	0

Rule/Comment

42303

Emittent

Follow-Up

Status: INCOMP Inspector ID: JL01 Inspection Date: 12/08/09 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: ltrapp

South Coast Air Quality Management District

NC D04847

Run Date : 9/19/2023 16:58:21

Company

Facility:	NRG CALIFORNIA SOUTH LP, ETIWANDA GEN ST (ID: 115315)
Location Address:	8996 ETIWANDA, AVE ETIWANDA, CA 91739
Mailing Address:	, CA
AIRS ID	06071CA149

Violation

Notice Issued Date:	10/15/2013
Violation Date:	1/29/2013
Serve To:	
Title:	
Issue By:	
Assignment No.:	1401110
Compliance Achieved Date:	10/25/2013
Equipment Description:	
Compliance Requirements:	Provide information on how the 5-minute stack flow & hourly stack flow are calculated

Disposition

Final Action Code:	
Due Date:	10/29/2013
Violation Days:	0

Rule/Comment

42303 CAL H&S code

Emittent

Follow-Up

Status: INCOMP Inspector ID: JL02 Inspection Date: 10/25/13 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: ltrapp

South Coast Air Quality Management District

NC C98692

Run Date : 9/19/2023 16:58:42

Company

Facility:	RELIANT ENERGY ETIWANDA, INC. (ID: 115315)
Location Address:	
Mailing Address:	, CA
AIRS ID	06071CA149

Violation

Notice Issued Date:	5/8/2007
Violation Date:	1/18/2007
Serve To:	BRIAN MC QUOWN
Title:	SR. ENVIR. ENGINEER
Issue By:	JOHN LEVY (Team: Z)
Assignment No.:	990437
Compliance Achieved Date:	05/22/2008
Equipment Description:	
Compliance Requirements:	QCER for first Quarter 2004 submitted late; submit future QCERs in timely manner per rule requirements. Submit Permit Applications as required to update facility permit to accurately show permitted equipment currently at site.

Disposition

Final Action Code:	
Due Date:	5/22/2007
Violation Days:	0

Rule/Comment

2004 (b)(1), (f)(2)

Emittent

Follow-Up

Status: INCOMP Inspector ID: JL01 Inspection Date: 05/22/08 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: ltrapp

South Coast Air Quality Management District

NC C98687

Run Date : 9/19/2023 16:59:07

Company

Facility:	RELIANT ENERGY ETIWANDA, INC. (ID: 115315)
Location Address:	
Mailing Address:	, CA
AIRS ID	06071CA149

Violation

Notice Issued Date:	10/24/2006
Violation Date:	10/17/2006
Serve To:	BRIAN MC QUOWN
Title:	SR. ENVIRON. ENGINEER
Issue By:	JOHN LEVY (Team: Z)
Assignment No.:	961570
Compliance Achieved Date:	11/07/2006
Equipment Description:	
Compliance Requirements:	For compliance years 2003, 2004, and 2005, submit 500-SAM forms for 2nd. half of each year.

Disposition

Final Action Code:	
Due Date:	11/7/2006
Violation Days:	0

Rule/Comment

3002(C)(1) Section K of Permit Condition No. 23

Emittent

Follow-Up

Status: INCOMP Inspector ID: JL01 Inspection Date: 11/07/06 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: ltrapp

South Coast Air Quality Management District

NC C71641

Run Date : 9/19/2023 16:59:45

Company

Facility:	RELIANT ENERGY ETIWANDA, LLC. (ID: 115315)
Location Address:	8996 ETIWANDA, AVE RANCHO CUCAMONGA, CA 91739-9662
Mailing Address:	8996 ETIWANDA, AVE RANCHO CUCAMONGA, CA 91739-9662
AIRS ID	06071CA149

Violation

Notice Issued Date:	7/6/2001
Violation Date:	6/21/2001
Serve To:	PAUL LACROIX
Title:	ENVIRONMENTAL AND SAFETY
Issue By:	MARTHA THOMAS (Team: I)
Assignment No.:	660938
Compliance Achieved Date:	09/05/2001
Equipment Description:	
Compliance Requirements:	RULE 2004(I)(1)(A): REPORT BREAKDOWNS WITHIN ONE HOUR FROM KNOWLEDGE OF ITS OCCURENCE AND RULE 2004(I)(1)(B): SUBMIT A BREAKDOWN EMISSIONS REPORT 30 FROM BREAKDOWN

Disposition

Final Action Code:	
Due Date:	8/6/2001
Violation Days:	0

Rule/Comment

2004(I)

Emittent

Follow-Up

Status: INCOMP Inspector ID: MT01 Inspection Date: 09/05/01 01:00 Number:

Device IDs.

Inspector Comment

On July 6, 2001 I issued a Notice to Comply for Rule 2004(i)(1)(A) stating "report breakdowns within one hour of knowledge of occurrence" and for Rule 2004(i)(1)(B) stating "submit a Breakdown Emissions Report 30 days from breakdown". The NC was served to Paul Lacroix at 1400 hours on July 6, 2001 in regards to their breakdown that occurred on 6/21. See Assignment #659585 for information on the breakdown.
The date compliance is due is 8/6.

The compliance date was extended to 9/5 on the basis that Paul wanted to provide a comprehensive report.

On 9/5 I visited Paul and he showed me a comprehensive operating procedure detailing breakdown procedures and CEMS issues. He also submitted a thorough Breakdown Emissions report in order to address Rule 2004(i)(1)(B).

Reliant Energy is now in compliance with the rules addressed in NC #C71641.

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: ltrapp

South Coast Air Quality Management District

NC C56858

Run Date : 9/19/2023 17:00:27

Company

Facility:	RELIANT ENERGY ETIWANDA, LLC. (ID: 115315)
Location Address:	
Mailing Address:	, CA
AIRS ID	06071CA149

Violation

Notice Issued Date:	8/9/2000
Violation Date:	8/9/2000
Serve To:	PAUL LACROIX
Title:	SAFETY & ENVIRON SPEC.
Issue By:	CHERYL HARRY (Team:)
Assignment No.:	623127
Compliance Achieved Date:	08/09/2000
Equipment Description:	
Compliance Requirements:	PROVIDE MSDS SHEETS FOR PAINT, PAINT THINNER, EPOXY AND SOLVENTS.

Disposition

Final Action Code:	
Due Date:	8/23/2000
Violation Days:	0

Rule/Comment

42303 H & S Code

Emittent

Follow-Up

Status: INCOMP Inspector ID: CH03 Inspection Date: 08/09/00 00:00 Number:

Device IDs.

Inspector Comment

On August 9, 2000 I issued a Notice to Comply to Etiwanda Generating Station for information (H & S Code 42303). Engineering had requested MSDS Sheets for Paint, Paint Thinner, Epoxy and other Solvents used at the site. After waiting for a reasonable time, Engineering asked me to issue a Notice to Comply for the information. The original due date was 8/23/00. On August 22, 2000 Paul Lacroix, Safety and Environmental Specialist, called and asked for an extension on the due date. Supervisor Roger Christopher approved an extension until August 29, 2000.

On August 24, 2000 we received the information requested.

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: ltrapp

South Coast Air Quality Management District

NC E38948

Run Date : 9/19/2023 17:08:42

Company

Facility:	PETRO_CHEMICAL INSULATION, INC. (ID: 127839)
Location Address:	8996 ETIWANDA, AVE RANCHO CUCAMONGA, CA 91739
Mailing Address:	110 CORPORATE, PL, CA 94590
AIRS ID	

Violation

Notice Issued Date:	1/24/2018
Violation Date:	1/24/2018
Serve To:	RICHARD SMITH
Title:	DIVISION MANAGER
Issue By:	STAN KOSZELAK (Team: X)
Assignment No.:	1668420
Compliance Achieved Date:	02/09/2018
Equipment Description:	
Compliance Requirements:	Provide asbestos survey report, actual work dates and quantities removed at each visit to the location address in 2017.

Disposition

Final Action Code:	CLO 2/9/2018 00:00:00
Due Date:	2/7/2018
Violation Days:	0

Rule/Comment

1403

Emittent

Follow-Up

Status: INCOMP Inspector ID: SK11 Inspection Date: 02/09/18 00:00 Number:

Device IDs.

Inspector Comment

INSPECTOR: _____ DATE: _____

signature

SUPERVISOR: _____ DATE: _____

signature

User ID: ltrapp

South Coast Air Quality Management District

NC G11607

Run Date : 9/19/2023 17:21:19

Company

Facility:	AMERICAN INTEGRATED SERVICES (ID: 165195)
Location Address:	8996 ETIWANDA, AVE RANCHO CUCAMONGA, CA 91769
Mailing Address:	1502 OPP, ST WILMINGTON, CA 90744
AIRS ID	

Violation

Notice Issued Date:	5/20/2022
Violation Date:	5/19/2022
Serve To:	NICK NEGRETE
Title:	SUPERVISOR
Issue By:	MADISON LANDI (Team: X)
Assignment No.:	1988189
Compliance Achieved Date:	08/10/2022
Equipment Description:	Due date extension until 08/10/2022 (KD03) L. Lewis approval 06/15/2022
Compliance Requirements:	Take R1403 class.

Disposition

Final Action Code:	CLO 6/3/2022 00:00:00
Due Date:	7/15/2022
Violation Days:	0

Rule/Comment

1403 (i)(3)

Emittent

Follow-Up

Status: INCOMP Inspector ID: ML09 Inspection Date: 08/10/22 00:00 Number: 1

Device IDs.

Inspector Comment

See Notification #698998 for full inspection report.

I issued NTC #G11607 to Mr. Nick Negrete (nnegrete@americanintegrated.com, (657-276-3007) on 05/20/2022 via email with the following requirements:

Rule 1403(i)(3) - Within 90 days, attend a Rule 1403 Compliance Promotion Class at SCAQMD headquarters.
Compliance Due Date: 07/15/22

Written by Madison Landi (ML09) on 05/20/2022.

Update on 06/03/2022: On 05/23/2022 I recieved an email from Mr. Nick Negrete with the proof of registration for our Rule 1403 class.

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

User ID: ltrapp

.....

Report by Kenneth Dudash

On 06/08/2022 Inspector Madison Landi received an email extension request from Nick Negrete; "... due date is 7/15/2022 and the earliest class I was able to register for was 8/10/2022".

On 06/15/2022 SAQI Alisha Lewis approved a NTC #G11607 extension to 08/10/2022. I sent an email to Mr. Negrete informing him of an extension requiest for R1403 training class to 08/10/2022.

KD
06/15/2022

INSPECTOR: _____ DATE: _____
signature

SUPERVISOR: _____ DATE: _____
signature

Lindsey Dandridge-Perry

From: LTrapp@aqmd.gov
Sent: Thursday, September 21, 2023 12:43 PM
To: Lindsey Dandridge-Perry
Cc: ob_pr_support_docs@aqmd.gov
Subject: SCAQMD Public Records Request# 1421096, -- Completion Letter

Follow Up Flag: Follow up
Flag Status: Flagged

External Email

South Coast Air Quality Management District

Lindsey Dandridge-perry

Kleinfelder

24411 Ridge Route Drive

Laguna Hills, Ca 92653

Ref: Request for Records; Control No. **1421096**, Received 9/14/2023

RE: P/O'S, EQL'S, NOV'S, N/C'S & EMISSION SUM FOR 8998 ETIWANDA AVE, RANCHO CUCAMONGA, CA, FROM 1/1/1923-9/13/2023.

After a thorough search of this agency's records, the following records were found:

P/O'S, EQL'S, NOV'S, N/C'S & EMISSION SUM [FOR ID 800224 IN FIND] FOR 8998 ETIWANDA AVE, RANCHO CUCAMONGA, CA, FROM 1/1/1923-9/13/2023.

Your records were provided --Electronically-- on 9/21/2023.

Your records were sent on a link via a separate email. If you don't see this email, please check your spam and/or junk mail.

Should you have any questions or need additional information, please do not hesitate to contact me at (909) 396-3700, Tuesday through Friday, between the hours of **8:00 a.m.** and **4:30 p.m.**

Sincerely,

Lora Trapp
For Colleen Paine
Public Records Coordinator
Information Management

SCAQMD Facility Equipment List Report

Facility: 800224 SO CAL EDISON CO
Status: Active
MR: 1404 SIC: 4911 Team: Z
Last Inspection: On Hold: Y Suspended: N TS: TS-03 Cycle I RECLAIM/Non-Title V Facility
Quarter: 0111 - inspect in 2nd, 3rd & 4th quarters, every year
Contact: PETER WELSING Jr. (818) 3029536 RECLAIM: Y TITLE V: N AIRS ID: 0607100511
Assignment: 568639
Location Address: 8998 ETIWANDA AVE, ETIWANDA 91739 Sector:EG
Inspector: DM01 DAIRO E MOODY
Mailing Address: P O BOX 800, ROSEMEAD 91770-0800 Sector:CG
Inspection Date:
Instruction: SCE ETIWANDA EQUIPMENT LIST INSPECTION
Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category		BCAT/CCAT Description	Application Date	Application Status
329137	F8937	08/23/1997	INACTIVE	010309	BCAT	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	06/19/1997	PERMIT TO OPERATE GRANTED
329139	F8938	08/23/1997	INACTIVE	010309	BCAT	BOILER UTILITY (>50 MW)NAT.GAS/RESID.OIL	06/19/1997	PERMIT TO OPERATE GRANTED
332647				555003	BCAT	TIERED (1-20 DEVICES) INITIAL TITLE V PERMIT APPL	07/22/1997	APPLICATION CANCELLED, KEEP ALL FEES
336553	F13619	05/07/1998	INACTIVE	000581	BCAT	SUMP, CONTAINMENT	01/06/1998	PERMIT TO OPERATE GRANTED
396523	F50819	03/28/2002	INACT_NR	300900	BCAT	STORAGE TANK PETROLEUM MIDDLE DISTILLATE	01/17/2002	PERMIT TO OPERATE GRANTED

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 800418 PACIFIC TERMINALS LLC- ETIWANDA
Status: Active
MR: 1404 SIC: 4911 Team: Z
Last Inspection: On Hold: N Suspended: N
TS: TS-04 Cycle II RECLAIM/Non-Title V Facility
Quarter: 0111 - inspect in 2nd, 3rd & 4th quarters, every year
Contact: Mr. MARK REESE Sr. (562) 7282358 RECLAIM: N TITLE V: N AIRS ID: 0607100511V0
Assignment:
Location Address: 8998 ETIWANDA AVE, ETIWANDA 91739 Sector:EG
Inspector:
Mailing Address: 5900 CHERRY AVE, LONG BEACH 90805 Sector:LG
Inspection Date:
Instruction:
Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____

SCAQMD Facility Equipment List Report

Facility: 137517 PACIFIC TERMINALS LLC
Status: Active
MR: 1409 SIC: 4911 Team: Z
Last Inspection: On Hold: N Suspended: N TS: TS-90 Ref/Energy: Power Plants
Quarter: 0111 - inspect in 2nd, 3rd & 4th quarters, every year
Contact: MARK REESE (562) 7282358 RECLAIM: Y TITLE V: Y AIRS ID:
Assignment:
Location Address: 8998 ETIWANDA AVE, ETIWANDA 91739 Sector:EG
Inspector:
Mailing Address: 5900 CHERRY AVE, LONG BEACH 90805 Sector:LG
Inspection Date:
Instruction:
Disposition:

Application No.	Permit No.	Permit Issue Date	Permit Status	Equipment Category	BCAT/CCAT Description	Application Date	Application Status
418625				300900 BCAT	STORAGE TANK PETROLEUM MIDDLE DISTILLATE	07/31/2003	APPLICATION CANCELLED, KEEP FILING FEES
418626				300900 BCAT	STORAGE TANK PETROLEUM MIDDLE DISTILLATE	07/31/2003	APPLICATION CANCELLED, KEEP FILING FEES
418628				300900 BCAT	STORAGE TANK PETROLEUM MIDDLE DISTILLATE	07/31/2003	APPLICATION CANCELLED, KEEP FILING FEES

Inspector: _____ Date: _____ Reviewed By: _____ Date: _____



s: 8996 ETIWANDA AVE, ETIWANDA, CA 91739

ID: 115315

ACTIVE

ees Due: No.

SIC Code

4911 ELECTRIC SERVICES

ipment List

96 Resu

Sort: Application Number

05010 (.EquipmentListModal)

OILER UTILITY (>50 MW)

pplication Status : ASSIGNED TO ENGINEER - CLASS III

pplication Date : 06/21/2018

ype : Basic

05009 (.EquipmentListModal)

OILER UTILITY (>50 MW)

pplication Status : ASSIGNED TO ENGINEER - CLASS III

pplication Date : 06/21/2018

ype : Basic

01100 (.EquipmentListModal)

ooling Tower, Rule 222

pplication Status : PERMIT TO OPERATE GRANTED

ermit Status : INACTIVE

pplication Date : 02/23/2018

ype : Basic

01099 (.EquipmentListModal)

ooling Tower, Rule 222



Address: 8998 ETIWANDA AVE, ETIWANDA, CA 91739

Facility ID: 137517

Status: ACTIVE

Back Fees Due: No.

SIC Code
4911 ELECTRIC SERVICES

Equipment List

3 Results

Sort: Application Number

418628 (.EquipmentListModal)
STORAGE TANK PETROLEUM MIDDLE DISTILLATE
Application Status : APPLICATION CANCELLED, KEEP FILING FEES
Application Date : 07/31/2003
Type : Basic

418626 (.EquipmentListModal)
STORAGE TANK PETROLEUM MIDDLE DISTILLATE
Application Status : APPLICATION CANCELLED, KEEP FILING FEES
Application Date : 07/31/2003
Type : Basic

418625 (.EquipmentListModal)
STORAGE TANK PETROLEUM MIDDLE DISTILLATE
Application Status : APPLICATION CANCELLED, KEEP FILING FEES
Application Date : 07/31/2003
Type : Basic

Export all records to Excel

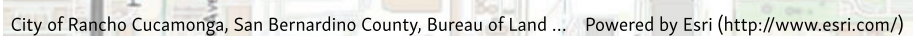
Compliance

Emissions

Hearing Board

Transportation

Documents



Address: 8822 ETIWANDA AVE, RANCHO CUCAMONGA, CA 91739

Facility ID: 138005

Status: ACTIVE

Back Fees Due: No.

SIC Code
5093 SCRAP & WASTE MATERIALS

Equipment List

11 Results

Sort: Application Number

469951 (.EquipmentListModal)
CYCLONE
Application Status : APPLICATION CANCELLED, KEEP FILING FEES
Application Date : 06/01/2007
Type : Control

469950 (.EquipmentListModal)
DRY FILTER (>500 SQ FT)
Application Status : APPLICATION CANCELLED, KEEP FILING FEES
Application Date : 06/01/2007
Type : Control

469949 (.EquipmentListModal)
AUTO BODY SHREDDING
Application Status : APPLICATION CANCELLED, KEEP FILING FEES
Application Date : 06/05/2007
Type : Basic

454138 (.EquipmentListModal)
AUTO BODY SHREDDING
Application Status : APPLICATION CANCELLED, REFUND ALL FEES
Application Date : 02/28/2006
Type : Basic

431445 (.EquipmentListModal)
PLASMA ARC CUTTING
Application Status : PERMIT TO OPERATE GRANTED
Permit Status : INACTIVE
Permit Number: F81407
Issue Date : 03/31/2006
Application Date : 06/18/2004
Type : Basic

421135 (.EquipmentListModal)
AUTO BODY SHREDDING
Application Status : PERMIT TO OPERATE GRANTED
Permit Status : INACTIVE

SAN BERNARDINO COUNTY FIRE PROTECTION DISTRICT

620 South "E" Street ● San Bernardino, CA 92415-0153 ● (909) 386-8401 ● Fax (909) 386-8460

Office of the Fire Marshal
Hazardous Materials Section
sbcfire.org

Daniel R. Munsey
Fire Chief/Fire Warden

Monica S. Ronchetti
Fire Marshal

September 14, 2023

23091104 Rancho Cucamonga RAL Kleinfelder

KLEINFELDER
24411 RIDGE ROUTE DRIVE, SUITE 225
LAGUNA NIGUEL, CA 92653

ATTENTION: LINDSEY DANDRIDGE-PERRY

SUBJECT: CERTIFIED RECORDS SEARCH FINDINGS
8996 ETIWANDA AVENUE, RANCHO CUCAMONGA, CALIFORNIA
APN #S: 0229-283-79-0000 AND 0229-283-83-0000

This is to confirm that the San Bernardino County Hazardous Materials Division has identified records that may pertain to the subject site, as described in your request for records search.

The file(s) shown below have been retrieved for review. If you wish to view the original documents, please e-mail this office at hazmatrecords@sbcfire.org to arrange an appointment.

ACTIVE PERMIT FACILITIES: (Regulatory files for facilities with annual operating permits to maintain underground storage tanks, handle hazardous materials, and/or generate hazardous waste. Files include permits, inspections, reports, test results, correspondence, and related materials. Files will also include any underground tank removal/construction activity records and site remediation/contamination records for facilities still in operation).

SCE Separator BESS	FA0019955 ~ CERS ID: 10900990
8996 Etiwanda Ave	No CUPA permits billed, new facility.
Rancho Cucamonga	(Last CERS Submission: 3/29/2023)
**No file has been created, new facility.*	

INACTIVE PERMIT AND/OR NON-PERMIT FACILITIES: (Inactive regulatory files for formerly permitted facilities that maintained underground storage tanks, stored hazardous materials, and/or generated hazardous waste and/or facilities with underground storage tanks removed and/or materials and waste removed. Files will also include any underground tank removal/construction activity records and site remediation/contamination records for facilities no longer operating underground tanks).

Etiwanda Generating Station	FA0002943 ~ Est # 86008879 ~ CERS ID: 10038976
8996 Etiwanda Ave	Small Quantity Generator Permit
Rancho Cucamonga	Hazardous Materials 11-30 Chemicals Handler Permit
	Underground Storage Tanks Permit

PERMITS TO REMOVE/INSTALL/MODIFY UNDERGROUND STORAGE TANKS:

Etiwanda Generating Station	Issued 1/3/2000
8996 Etiwanda Ave	Removal (1) – Removed 1/13/2000
Rancho Cucamonga	Log # 010300-02 ~ Job Card # 6319

BOARD OF DIRECTORS

Col. Paul Cook (Ret.) Vice Chairman, First District | Jesse Armendarez Second District | Dawn Rowe Chair, Third District | Curt Hagman Fourth District | Joe Baca, Jr. Fifth District | Luther Snoke Chief Executive Officer

HAZARDOUS MATERIAL INCIDENT AND/OR COMPLAINT RESPONSE ACTIVITY: (other records of spill notifications and/or complaints not listed below may also exist in facility permit files).

Etiwanda Generating Station 8996 Etiwanda Ave Rancho Cucamonga	CO0032644 6/16/2016 Release of approximately 42 gallons of lube oil
Etiwanda Generating Station 8996 Etiwanda Ave Rancho Cucamonga	CO0031131 7/25/2014 Release of less than 3 gallons of sodium hypochlorite
Etiwanda Generating Station 8996 Etiwanda Ave Rancho Cucamonga	CO0029229 4/5/2012 Cement/hazardous waste release to stream/river/soil from pipe from Ameron. Fish and Game and Water Board cleaned up stream. Ameron fixed the pipe of release. Samples of water were sent to lab. Results of lab tests were all levels of metals and pH were below hazardous waste levels. Remediated soil was kept onsite at Ameron. Case closed.
Genonwest, LP 8996 Etiwanda Ave Rancho Cucamonga	CO0028479 5/9/2011 Release of 150 gallons of cooling water (reclaimed water with well mixture)
RRI Energy Etiwanda 8996 Etiwanda Ave Rancho Cucamonga	CO0027236 3/3/2010 Release of 35 gallons of oil
Etiwanda Generating Station 8996 Etiwanda Ave Rancho Cucamonga	CO0025739 10/10/2008 Release of 50 gallons of mineral oil
Reliant Energy 8996 Etiwanda Ave Rancho Cucamonga	CO0002935 7/15/2002 5000 gallons of cooling tower water
Reliant Energy 8996 Etiwanda Ave Rancho Cucamonga	CO0002860 2/9/2002 Release of 1000 gallons of cooling water (w/Chlorine)
Reliant Energy 8996 Etiwanda Ave Rancho Cucamonga	CO0002554 9/13/2001 Release of 80 gallons of cooling tower water
Reliant Energy 8996 Etiwanda Ave Rancho Cucamonga	CO0002525 8/28/2001 Release of 100 gallons of cooling tower water
Reliant Energy	CO0002430

8996 Etiwanda Rancho Cucamonga	7/16/2001 Release of 150 Gallons of coolant tower water
Reliant Energy 8996 Etiwanda Rancho Cucamonga	CO0002320 5/21/2001 Release of 20 gallons of cooling tower water
Reliant Energy 8996 Etiwanda Rancho Cucamonga	CO0002773 1/17/2001 Release of 100 gallons of cooling tower water
Reliant Generator Station 8996 Etiwanda Rancho Cucamonga	CO0003575 6/30/1999 Release of 500 gallons of process tower water
Etiwanda Generating Station 8996 Etiwanda Ave Rancho Cucamonga	CO0035782 7/24/2021 20-40 gallons of non pcb mineral oil released

SITE REMEDIATION: (Underground Storage Tank Clean-Up under Local Oversight Program or Voluntary Hazardous Waste Clean-Up activity under Local Jurisdiction) (documents may be included in regular active or inactive permit files listed above).

No record of site remediation identified in this search.

Records searched include permit database systems for facilities with permits as hazardous waste generators, hazardous materials handlers, and/or underground storage tanks, including inactive and/or out of business records; logs of permits issued for the removal and/or installation of underground storage tanks; records and databases pertaining to illicit dumping and releases; records of non-permitted facilities; sites undergoing remediation for contaminated soil and/or groundwater; and incidents responded to by the hazardous materials emergency response team. Records searched date back to the mid-1980's.

Records consist of 14 file(s), approximately 14" thick, combined. You may contact us at hazmatrecords@sbcfire.org to request and schedule a file review appointment to view the file(s).

Christina Rivera

Christina Rivera
Office Specialist
Office of the Fire Marshal
Hazardous Materials Division

***We will copy up to 40 pre-selected pages from a file at a charge $0.25 per page copied. (Be prepared to make this payment at the time of service). We can also refer you to a private copy service. If you prefer to bring a portable copier on site, you may do so. Please let us know your plans in advance so that accommodations can be made.**

SCE Separator BESS (CERSID: 10900990)

Facility Information **Accepted May 3, 2023**

Submitted on 3/29/2023 1:11:07 PM by *Jeremy Gates* of Southern California Edison, Power Production (PPD) (Rosemead, CA)
Comments by Submitter: New facility.
Submittal was ***Accepted*** on 5/3/2023 9:02:43 AM by Matthew Valenzuela
Comments by regulator: Accepted pending field verification. If you have any questions, please contact Matthew Valenzuela at mbvalenzuela@sbcfire.org or (909) 386-8401

- Business Activities
- Business Owner/Operator Identification

Hazardous Materials Inventory **Accepted May 3, 2023**

Submitted on 3/29/2023 1:11:07 PM by *Jeremy Gates* of Southern California Edison, Power Production (PPD) (Rosemead, CA)
Submittal was ***Accepted*** on 5/3/2023 9:02:53 AM by Matthew Valenzuela
Comments by regulator: Accepted pending field verification. If you have any questions, please contact Matthew Valenzuela at mbvalenzuela@sbcfire.org or (909) 386-8401

- Hazardous Material Inventory (6)
- Site Map (Official Use Only)
  - *Separator Energy Storage System Site Plan/Storage Map* (Adobe PDF, 1103KB)

Emergency Response and Training Plans **Accepted May 3, 2023**

Submitted on 3/29/2023 1:11:07 PM by *Jeremy Gates* of Southern California Edison, Power Production (PPD) (Rosemead, CA)
Submittal was ***Accepted*** on 5/3/2023 9:03:00 AM by Matthew Valenzuela
Comments by regulator: Accepted pending field verification. If you have any questions, please contact Matthew Valenzuela at mbvalenzuela@sbcfire.org or (909) 386-8401

- Emergency Response/Contingency Plan
  - *Emergency Response/Contingency Plan* (Adobe PDF, 365KB)
- Employee Training Plan
  - Provided In Submital Element: Emergency Response and Training Plans

Site Identification

SCE Separator BESS
8996 Etiwanda Ave
Rancho Cucamonga, CA 91739
County
San Bernardino

CERS ID
10900990
EPA ID Number

Submittal Status

Submitted on 3/29/2023 by *Jeremy Gates* of Southern California Edison, Power Production (PPD) (Rosemead, CA)
Comments by submitter: New facility.
Submittal was ***Accepted***; Processed on 5/3/2023 by *Matthew Valenzuela* for San Bernardino County Fire Department
Comments by regulator: Accepted pending field verification. If you have any questions, please contact Matthew Valenzuela at mbvalenzuela@sbcfire.org or (909) 386-8401

Hazardous Materials

Does your facility have on site (for any purpose) at any one time, hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or is regulated under more restrictive inventory local reporting requirements (shown below if present); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	**Yes**

Underground Storage Tank(s) (UST)

Does your facility own or operate underground storage tanks?	**No**

Hazardous Waste

Is your facility a Hazardous Waste Generator?	**No**
Does your facility treat hazardous waste on-site?	**No**
Is your facility's treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	**No**
Does your facility consolidate hazardous waste generated at a remote site?	**No**
Does your facility need to report the closure/removal of a tank that was classified as hazardous waste and cleaned on-site?	**No**
Does your facility generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month greater than 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.	**No**
Is your facility a Household Hazardous Waste (HHW) Collection site?	**No**

Excluded and/or Exempted Materials

Does your facility recycle more than 100 kg/month of excluded or exempted recyclable materials (per HSC 25143.2)?	**No**

Aboveground Petroleum Storage

Does your facility own or operate aboveground petroleum storage tanks or containers AND: * have a total aboveground petroleum storage capacity of 1,320 gallons or more, OR * have one or more petroleum tanks in an underground area?	**No**

Regulated Substances

Does your facility have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release prevention Program (CalARP)?	**No**

Additional Information

No additional comments provided.

California Environmental Reporting System (CERS) — Business Owner Operator

Facility/Site

SCE Separator BESS
8996 Etiwanda Ave
Rancho Cucamonga, CA 91739

CERS ID
10900990

Submittal Status

Submitted on 3/29/2023 by *Jeremy Gates* of Southern California Edison, Power Production (PPD) (Rosemead, CA)
Comments by submitter: New facility.
Submittal was ***Accepted***; Processed on 5/3/2023 by *Matthew Valenzuela* for San Bernardino County Fire Department
Comments by regulator: Accepted pending field verification. If you have any questions, please contact Matthew Valenzuela at mbvalenzuela@sbcfire.org or (909) 386-8401

Identification

Southern California Edison

Operator Phone	Business Phone	Business Fax
(626) 302-1212	(626) 302-1212	

Beginning Date	Ending Date	
Dun & Bradstreet	**SIC Code**	**Primary NAICS**
195138458	4911	221112

Facility/Site Mailing Address

P.O. Box 5085 (Attn: ESD, Programs & Governance)
Rosemead, CA 91770

Primary Emergency Contact

Environmental Notification Center
Title
Environmental Advisor

Business Phone	24-Hour Phone	Pager Number
(844) 468-7745	(844) 468-7745	

Owner

Southern California Edison
(626) 302-1212
P.O. Box 5085 (Attn: ESD, Programs & Governance)
Rosemead, CA 91770

Secondary Emergency Contact

Environmental Notification Center
Title
Environmental Supervisor

Business Phone	24-Hour Phone	Pager Number
(844) 468-7745	(844) 468-7745	

Billing Contact

Southern California Edison
(626) 302-1212 EHSync@sce.com
P.O. Box 5085 (Attn: ESD, Programs & Governance)
Rosemead, CA 91770

Environmental Contact

Environmental Notification Center
(844) 468-7745 AgencyInspections@sce.com
P.O. Box 5085 (Attn: ESD, Programs & Governance)
Rosemead, CA 91770

Name of Signer	Signer Title	Document Preparer
Jeremy Gates	Senior Advisor	Jeremy Gates

Additional Information
Taxpayer Identification Number: 95-1240335

Locally-collected Fields

Some or all of the following fields may be required by your local regulator(s).

Property Owner

Southern California Edison
Phone
(626) 302-1212
Mailing Address
P.O. Box 5085 (Attn: ESD, Programs & Governance)
Rosemead, CA 91770

Assessor Parcel Number (APN)
0229-283-75-000
Number of Employees
5
Facility ID

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Southern California Edison, Power Production (PPD)**
Facility Name **SCE Separator BESS**
8996 Etiwanda Ave, Rancho Cucamonga 91739

Chemical Location **Battery Enclosure**

CERS ID **10900990**
Facility ID **FA0019955**
Status **Submitted** on 3/29/2023 1:11 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 9 - Misc. Hazardous Materials Corrosive, Toxic	**Lithium Ion Batteries** CAS No Grid: All	**Pounds** State: Solid Type: Mixture	**7915477** Storage Container: Other Days on Site: 365	**727.5**	7915477 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Corrosive To Metal - Physical Contact Water Emits Flammable Gas - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation - Health Hazard Not Otherwise Classified	Lithium iron Phosphate Hexafluoropropylene-vinylidene Lithium Hexafluorophosphate Acetylene Black Diethyl Carbonate	40% 15% 5% 2% 15%		15365-14-7 9011-17-0 21324-40-3 None 105-58-8
	KLEA R134 Refrigerant CAS No 000811-97-2 Grid: All	**Cu. Feet** State: Gas Type: Pure	**2406** Storage Container: Other Days on Site: 365	**17.69**	2406 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Gas Under Pressure - Health Respiratory Skin Sensitization - Health Serious Eye Damage Eye Irritation				
	Glysantin G30 Coolant CAS No 107-21-1 Grid: All	**Gallons** State: Liquid Type: Pure	**5505** Storage Container: Other Days on Site: 365	**40.5**	5505 Pressue: Ambient Temperature: Ambient	Waste Code					
DOT: 9 - Misc. Hazardous Materials	**FirePro Aerosol Generator- Fire Suppression** CAS No Grid: All	**Pounds** State: Solid Type: Mixture	**1049** Storage Container: Other Days on Site: 365	**1.1**	1049 Pressue: > Ambient Temperature: Ambient	Waste Code	- Physical Corrosive To Metal - Health Respiratory Skin Sensitization	Potassium nitrate bisphenol A Potassium Carbonate Magnesium	77% 18% 4% 1%		7757-79-1 25068-38-6 584-08-7 7439-95-4

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Southern California Edison, Power Production (PPD)**
Facility Name **SCE Separator BESS**
8996 Etiwanda Ave, Rancho Cucamonga 91739

Chemical Location **MEER**

CERS ID **10900990**
Facility ID **FA0019955**
Status **Submitted** on 3/29/2023 1:11 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
DOT: 8 - Corrosives (Liquids and Solids) Corrosive	**Lead Acid Batteries** CAS No Grid: D5	**Gallons** State: Liquid Type: Mixture	**64** Storage Container: Other Days on Site: 365	**3.2**	64 Pressue: Ambient Temperature: Ambient	Waste Code	- Physical Corrosive To Metal - Health Skin Corrosion Irritation - Health Serious Eye Damage Eye Irritation	Sulfuric Acid Lead Compounds	30% 40%	✓	7664-93-9 7439-92-1

Hazardous Materials And Wastes Inventory Matrix Report

CERS Business/Org. **Southern California Edison, Power Production (PPD)**
Facility Name **SCE Separator BESS**
8996 Etiwanda Ave, Rancho Cucamonga 91739

Chemical Location **Oil Filled Equipment**

CERS ID **10900990**
Facility ID **FA0019955**
Status **Submitted** on 3/29/2023 1:11 PM

DOT Code/Fire Haz. Class	Common Name	Unit	Quantities: Max. Daily	Quantities: Largest Cont.	Quantities: Avg. Daily	Annual Waste Amount	Federal Hazard Categories	Hazardous Components (For mixture only): Component Name	% Wt	EHS	CAS No.
Combustible Liquid, Class III-B	**Mineral Oil** CAS No 8012-95-1 Grid: D5	**Gallons** State Liquid Type Mixture	**11225** Storage Container Other Days on Site: 365	**10785**	11225 Pressue Ambient Temperature Ambient	Waste Code		Highly Refined Mineral Oil (C15-C50) Distillates, hydrotreated light naphthenic	100% 100%		Mixture 64742-53-6

CALIFORNIA ENVIRONMENTAL REPORTING SYSTEM (CERS)

CONSOLIDATED EMERGENCY RESPONSE / CONTINGENCY PLAN

Prior to completing this Plan, please refer to the INSTRUCTIONS FOR COMPLETING A CONSOLIDATED CONTINGENCY PLAN

A. FACILITY IDENTIFICATION AND OPERATIONS OVERVIEW

FACILITY ID # F A — — A1.	CERS ID # A2. 10900990	DATE OF PLAN PREPARATION/REVISION (MM/DD/YYYY) A3. 06/21/2022

BUSINESS NAME *(Same as Facility Name or DBA - Doing Business As)* A4.
Separator Battery Energy Supply System

BUSINESS SITE ADDRESS A5.
8996 Etiwanda Ave

BUSINESS SITE CITY A6.		ZIP CODE A7.
Rancho Cucamonga	CA	91739-0000

TYPE OF BUSINESS (e.g., Painting Contractor) A8.	INCIDENTAL OPERATIONS (e.g., Fleet Maintenance) A9.
Electric Utility	

THIS PLAN COVERS CHEMICAL SPILLS, FIRES, AND EARTHQUAKES INVOLVING (Check all that apply): A10.

☒ 1. HAZARDOUS MATERIALS; ☐ 2. HAZARDOUS WASTES

B. INTERNAL RESPONSE

INTERNAL FACILITY EMERGENCY RESPONSE WILL OCCUR BY (Check all that apply): B1.

☒ 1. CALLING PUBLIC EMERGENCY RESPONDERS (e.g., 9-1-1)
☒ 2. CALLING HAZARDOUS WASTE CONTRACTOR
☐ 3. ACTIVATING IN-HOUSE EMERGENCY RESPONSE TEAM

C. EMERGENCY COMMUNICATIONS, PHONE NUMBERS AND NOTIFICATIONS

In the event of an emergency involving hazardous materials and/or hazardous waste, all facilities must IMMEDIATELY:
1. Notify facility personnel and evacuate if necessary in accordance with the Emergency Action Plan (Title 8 California Code of Regulations §3220);
2. Notify local emergency responders by calling 9-1-1;
3. Notify the local Unified Program Agency (UPA) at the phone number below; and
4. Notify the State Warning Center at (800) 852-7550.

Facilities that generate, treat, store or dispose of hazardous waste have additional responsibilities to notify and coordinate with other response agencies. Whenever there is an imminent or actual emergency situation such as an explosion, fire, or release, the Emergency Coordinator must follow the appropriate requirements for the category of facility and type of release involved:
1. Title 22 California Code of Regulations §66265.56. Emergency Procedures for generators of 1,000 kilograms or more of hazardous waste in any calendar month.
2. Title 22 California Code of Regulations §66265.196. Response to Leaks or Spills and Disposition of Leaking or Unfit-for-Use Tank Systems.
3. Title 40 Code of Federal Regulations §302.6. Notification requirements for a release of a hazardous substance equal to or greater than the reportable quantity.
4. Title 22 California Code of Regulations §66262.34(d)(2) and Title 40 Code of Federal Regulations §262.34(d)(5)(ii) for generators of less than 1000 kilograms of hazardous waste in any calendar month.

Following notification and before facility operations are resumed in areas of the facility affected by the incident, the Emergency Coordinator shall notify the local UPA and the local fire department's hazardous materials program, if necessary, that the facility is in compliance with requirements to:
1. Provide for proper storage and disposal of recovered waste, contaminated soil or surface water, or any other material that results from an explosion, fire, or release at the facility; and
2. Ensure that no material that is incompatible with the released material is transferred, stored, or disposed of in areas of the facility affected by the incident until cleanup procedures are completed.

EMERGENCY RESPONSE PHONE NUMBERS:		
	AMBULANCE, FIRE, POLICE AND CHP	9-1-1
	CALIFORNIA STATE WARNING CENTER (CSWC)/CAL OES.	(800) 852-7550
	NATIONAL RESPONSE CENTER (NRC)	(800) 424-8802
	POISON CONTROL CENTER	(800) 222-1222
	LOCAL UNIFIED PROGRAM AGENCY (UPA)	(909) 386-8401 C1.
	OTHER (Specify): C2. Spill Reporting Line	(909) 386-8425 C3.
NEAREST MEDICAL FACILITY / HOSPITAL NAME: C4. Montclair Hospital Medical Center		(909) 625-5411 C5.

AGENCY NOTIFICATION PHONE NUMBERS:		
	CALIFORNIA DEPT. OF TOXIC SUBSTANCES CONTROL (DTSC)	(916) 255-3545
	REGIONAL WATER QUALITY CONTROL BOARD (RWQCB).	(951) 782-4130 C6.
	U.S. ENVIRONMENTAL PROTECTION AGENCY (US EPA)	(800) 300-2193
	CALIFORNIA DEPT. OF FISH AND WILDLIFE (CDFW)	(916) 358-2900
	U.S. COAST GUARD (USCG)	(202) 267-2180
	CAL OSHA	(916) 263-2800
	CAL FIRE OFFICE OF THE STATE FIRE MARSHAL (OSFM)	(916) 323-7390
	OTHER (Specify): C7.	C8.
	OTHER (Specify): C9.	C10.

INTERNAL FACILITY EMERGENCY COMMUNICATIONS OR ALARM NOTIFICATION WILL OCCUR BY (Check all that apply): C11.

- [x] 1. VERBAL WARNINGS;
- [ ] 2. PUBLIC ADDRESS OR INTERCOM SYSTEM;
- [x] 3. TELEPHONE;
- [ ] 4. PAGERS;
- [ ] 5. ALARM SYSTEM;
- [x] 6. PORTABLE RADIO

NOTIFICATIONS TO NEIGHBORING FACILITIES THAT MAY BE AFFECTED BY AN OFF-SITE RELEASE WILL OCCUR BY (Check all that apply): C12.

- [x] 1. VERBAL WARNINGS;
- [ ] 2. PUBLIC ADDRESS OR INTERCOM SYSTEM;
- [ ] 3. TELEPHONE;
- [ ] 4. PAGERS;
- [ ] 5. ALARM SYSTEM;
- [ ] 6. PORTABLE RADIO

EMERGENCY COORDINATOR CONTACT INFORMATION: Environmental Notification Center C13.

PRIMARY EMERGENCY COORDINATOR NAME: Environmental Specialist PHONE NO.: (844) 468-7745 PHONE NO.: (844) 468-7745

ALTERNATE EMERGENCY COORDINATOR NAME: Environmental Supervisor PHONE NO.: (844) 468-7745 PHONE NO.: (844) 468-7745

- [ ] Check if additional Emergency Coordinator contact and address information is available onsite or by calling PHONE NO.:

Note: If more than one alternate emergency coordinator is designated, attach a list in order of responsibility.

D. EMERGENCY CONTAINMENT AND CLEANUP PROCEDURES

Check the applicable boxes to indicate your facility's procedures for containing spills and preventing and mitigating releases, fires and/or explosions.

D1.

- [x] 1. MONITOR FOR LEAKS, RUPTURES, PRESSURE BUILD-UP, ETC.;
- [x] 2. PROVIDE STRUCTURAL PHYSICAL BARRIERS (e.g., Portable spill containment walls, built-in berms);
- [x] 3. PROVIDE ABSORBENT PHYSICAL BARRIERS (e.g., Pads, spill pigs, spill pillows);
- [ ] 4. COVER OR BLOCK FLOOR AND/OR STORM DRAINS;
- [ ] 5. LINED TRENCH DRAINS AND/OR SUMPS;
- [ ] 6. AUTOMATIC FIRE SUPPRESSION SYSTEM;
- [ ] 7. ELIMINATE SOURCES OF IGNITION FOR FLAMMABLE HAZARDS;
- [x] 8. STOP PROCESSES AND/OR OPERATIONS;
- [x] 9. AUTOMATIC / ELECTRONIC EQUIPMENT SHUT-OFF SYSTEM;
- [ ] 10. SHUT OFF WATER, GAS, ELECTRICAL UTILITIES;
- [x] 11. CALL 9-1-1 FOR PUBLIC EMERGENCY RESPONDER ASSISTANCE AND/OR MEDICAL AID;
- [x] 12. NOTIFY AND EVACUATE PERSONS IN ALL THREATENED AND/OR IMPACTED AREAS;
- [x] 13. ACCOUNT FOR EVACUATED PERSONS IMMEDIATELY AFTER EVACUATION;
- [ ] 14. PROVIDE PROTECTIVE EQUIPMENT FOR ON-SITE EMERGENCY RESPONSE TEAM;
- [x] 15. REMOVE CONTAINERS AND/OR ISOLATE AREAS;
- [x] 16. HIRE LICENSED HAZARDOUS WASTE CONTRACTOR;
- [x] 17. USE ABSORBENT MATERIAL FOR SPILL CONTAINMENT;
- [x] 18. VACUUM SUCTION USING APPROPRIATE VACUUM (e.g., Intrinsically safe) FOR SPILL CONTROL AND/OR CLEANUP;
- [ ] 19. DECONTAMINATE PERSONNEL AND EQUIPMENT WITHIN DESIGNATED AREA AND DISPOSE OF WASTEWATER AS HAZARDOUS WASTE;
- [x] 20. PROVIDE SAFE TEMPORARY STORAGE OF HAZARDOUS WASTE GENERATED DURING EMERGENCY ACTIONS;
- [ ] 21. OTHER (Specify): D2.

E. FACILITY EVACUATION

THE FOLLOWING ALARM SIGNAL(S) WILL BE USED TO BEGIN EVACUATION OF THE FACILITY (Check all that apply): E1.

E2.

- [ ] 1. BELLS;
- [ ] 2. HORNS/SIRENS;
- [x] 3. VERBAL (i.e., Shouting);
- [x] 4. OTHER (Specify): Telephone, Cell Phones, Car Horns

THE FOLLOWING LOCATION(S) WILL BE USED FOR AN EMERGENCY ASSEMBLY AREA(S) (e.g., Parking lot, street corner): E3.

Outside front gate.

Note: The Emergency Coordinator must account for all onsite employees and visitors after evacuation.

EVACUATION ROUTE S AND ALTERNATE EVACUATION ROUTES ARE DESCRIBED AS FOLLOWS: E4.

- [ ] 1. WRITTEN PROCEDURES DESCRIBING ROUTES, EXITS, AND ASSEMBLY AREAS;
- [ ] 2. EVACUATION MAP(S) DEPICTING ROUTES, EXITS, AND ASSEMBLY AREAS;
- [x] 3. OTHER (Specify): Meet at front gate. E5.

Note: Evacuation procedures and/or maps should be posted in visible facility locations and must be included in the Contingency Plan.

F. ARRANGEMENTS FOR EMERGENCY SERVICES

ADVANCE ARRANGEMENTS FOR LOCAL EMERGENCY SERVICES (Check one of the following): F1.

- [x] 1. HAVE BEEN DETERMINED NOT NECESSARY;
- [ ] 2. THE FOLLOWING ARRANGEMENTS HAVE BEEN MADE (Specify): F2.

Note: Advance arrangements with local fire and police departments, hospitals, state and local emergency response teams, and/or emergency services contractors should be made for your facility, if necessary. Large Quantity Generators must describe arrangements in the Contingency Plan.

G. EMERGENCY EQUIPMENT

Check the applicable boxes to list emergency response equipment available at the facility, identify the location(s) where the equipment is kept, and indicate the equipment's capability, if applicable.

TYPE	EQUIPMENT AVAILABLE G1.	LOCATION G2.	CAPABILITY G3.
EXAMPLE	☒ *CHEMICAL PROTECTIVE GLOVES*	*SPILL RESPONSE KIT*	*SINGLE USE, OIL RESISTANT ONLY*
Safety and First Aid	1. ☐ CHEMICAL PROTECTIVE SUITS, APRONS, AND/OR VESTS		
	2. ☒ CHEMICAL PROTECTIVE GLOVES	Vehicles	Nitrile
	3. ☐ CHEMICAL PROTECTIVE BOOTS		
	4. ☒ SAFETY GLASSES, GOGGLES, AND FACE SHIELDS	Vehicles, Employee PPE	
	5. ☒ HARD HATS	Vehicles, Employee PPE	
	6. ☐ AIR-PURIFYING RESPIRATORS		
	7. ☐ SELF-CONTAINED BREATHING APPARATUS (SCBA)		
	8. ☒ FIRST AID KITS	Vehicles	
	9. ☐ PLUMBED EYEWASH FOUNTAIN AND/OR SHOWER		
	10. ☐ PORTABLE EYEWASH KITS AND/OR STATION		
	11. ☐ OTHER		
Fire Fighting	12. ☒ PORTABLE FIRE EXTINGUISHERS	Vehicles	
	13. ☐ FIXED FIRE SUPPRESSION SYSTEMS AND/ OR SPRINKLERS		
	14. ☐ FIRE ALARM BOXES		
	15. ☐ OTHER		
Spill Control and Clean-Up	16. ☒ ALL-IN-ONE SPILL KIT	Vehicles	
	17. ☒ ABSORBENT MATERIAL	Vehicles	
	18. ☒ CONTAINER FOR USED ABSORBENT	Vehicles	
	19. ☐ BERM AND/OR DIKING EQUIPMENT		
	20. ☒ BROOM	Vehicles	
	21. ☒ SHOVEL	Vehicles	
	22. ☐ VACUUM		
	23. ☐ EXHAUST HOOD		
	24. ☐ SUMP AND/OR HOLDING TANK		
	25. ☐ CHEMICAL NEUTRALIZERS		
	26. ☐ GAS CYLINDER LEAK REPAIR KIT		
	27. ☐ SPILL OVERPACK DRUMS		
	28. ☐ OTHER		
Communi-cations and Alarm Systems	29. ☒ TELEPHONES (e.g., Cellular)	Vehicles	
	30. ☐ INTERCOM AND/OR PA SYSTEM		
	31. ☒ PORTABLE RADIOS	Vehicles	
	32. ☐ AUTOMATIC ALARM CHEMICAL MONITORING EQUIPMENT		
Other	33. ☒ OTHER	Vehicle Horn	
	34. ☐ OTHER		

H. EARTHQUAKE VULNERABILITY

Identify areas of the facility that are vulnerable to hazardous materials releases due to seismic motion. These areas require immediate isolation and inspection.

VULNERABLE AREAS (Check all that apply): H1.

- [x] 1. HAZARDOUS MATERIALS AND/OR WASTE STORAGE AREAS
- [ ] 2. PROCESS LINES AND PIPING
- [ ] 3. LABORATORY
- [ ] 4. WASTE TREATMENT AREA

LOCATIONS (e.g., Shop, outdoor shed, lab): H2.

Electrical Equipment/Transformers, Mechanical Electrical Energy Room, Outdoor Battery Banks

Identify mechanical systems vulnerable to releases / spills due to earthquake-related motion. These systems require immediate isolation and inspection.

VULNERABLE SYSTEMS AND/OR EQUIPMENT (Check all that apply): H3.

- [ ] 1. SHELVES, CABINETS AND/OR RACKS
- [x] 2. TANKS AND SHUT-OFF VALVES
- [ ] 3. PORTABLE GAS CYLINDERS
- [ ] 4. EMERGENCY SHUT-OFF AND/OR UTILITY VALVES
- [ ] 5. SPRINKLER SYSTEMS
- [x] 6. STATIONARY PRESSURIZED CONTAINERS (e.g., Propane tank)

LOCATIONS: H4.

Where present

Where present

I. EMPLOYEE TRAINING

Employee training is required for all employees and/or contractors handling hazardous materials and/or hazardous wastes during normal and/or emergency operations. Most facilities will need to submit a separate Training Plan. However, your CUPA may accept this section as the Training Plan for some small facilities.
Employee training plans may include the following content:

- Applicable laws and regulations;
- Emergency response plans and procedures;
- Safety Data Sheets;
- Hazard communication related to health and safety;
- Methods for safe handling of hazardous substances;
- Hazards of materials and processes (e.g., fire, explosion, asphyxiation);
- Hazard mitigation, prevention and abatement procedures;
- Coordination of emergency response actions;
- Notification procedures for local emergency responders, CUPA, Cal OES, and onsite personnel;
- Communication and alarm systems;
- Personal protective equipment;
- Use and maintenance of emergency response equipment and supplies (e.g. Fire extinguishers, respirators, spill control materials);
- Decontamination procedures;
- Evacuation procedures and evacuation staging locations;
- Identification of facility areas, equipment, and systems vulnerable to earthquakes and other natural disasters.
- OTHER (Specify):

Check the applicable boxes below to indicate how the employee training program is administered.

- [x] 1. FORMAL CLASSROOM
- [x] 2. VIDEOS
- [x] 3. SAFETY MEETINGS
- [x] 4. STUDY GUIDES / MANUALS I1.
- [x] 5. OTHER (Specify): Employees receive Hazardous Material and Hazardous Waste awareness (Training Handouts, Web Based Training, Policy/Procedure Manuals) depending on their position I2.
- [ ] 6. NOT APPLICABLE SINCE FACILITY HAS NO EMPLOYEES
- [ ] 7. CHECK IF A SEPARATE EMPLOYEE TRAINING PLAN IS USED AND UPLOADED TO CERS AS A PDF DOCUMENT I3.
- [x] 8. CHECK IF EMPLOYEE TRAINING IS COVERED BY THE ABOVE REFERENCED CONTENT AND OTHER DOCUMENTS ONSITE I4.

EMPLOYEE TRAINING FREQUENCY AND RECORDKEEPING TRAINING MUST BE:

- Provided initially for new employees as soon as possible following the date of hire. New employees should not work in an unsupervised position that involves hazardous materials handling and/or hazardous waste management without proper training;
- Provided within six months from the date of hire for new employees at a large quantity generator;
- Ongoing and provided at least annually;
- Amended prior to a change in process or work assignment;
- Given upon modification to the Emergency Response/Contingency Plan.

Large Quantity Generator Training: Large quantity generators (1,000 kg or more) must retain written plan and documentation of employee training which includes:

- A written description of the type and amount of both initial and ongoing training that will be given to persons filling each job position having responsibility for hazardous waste management and/or emergency response.
- The name, job title and job description for each position at the facility related to hazardous waste management.
- Current employee training records must be retained until closure of the facility and former employee training records must be retained for at least three years after termination of employment.

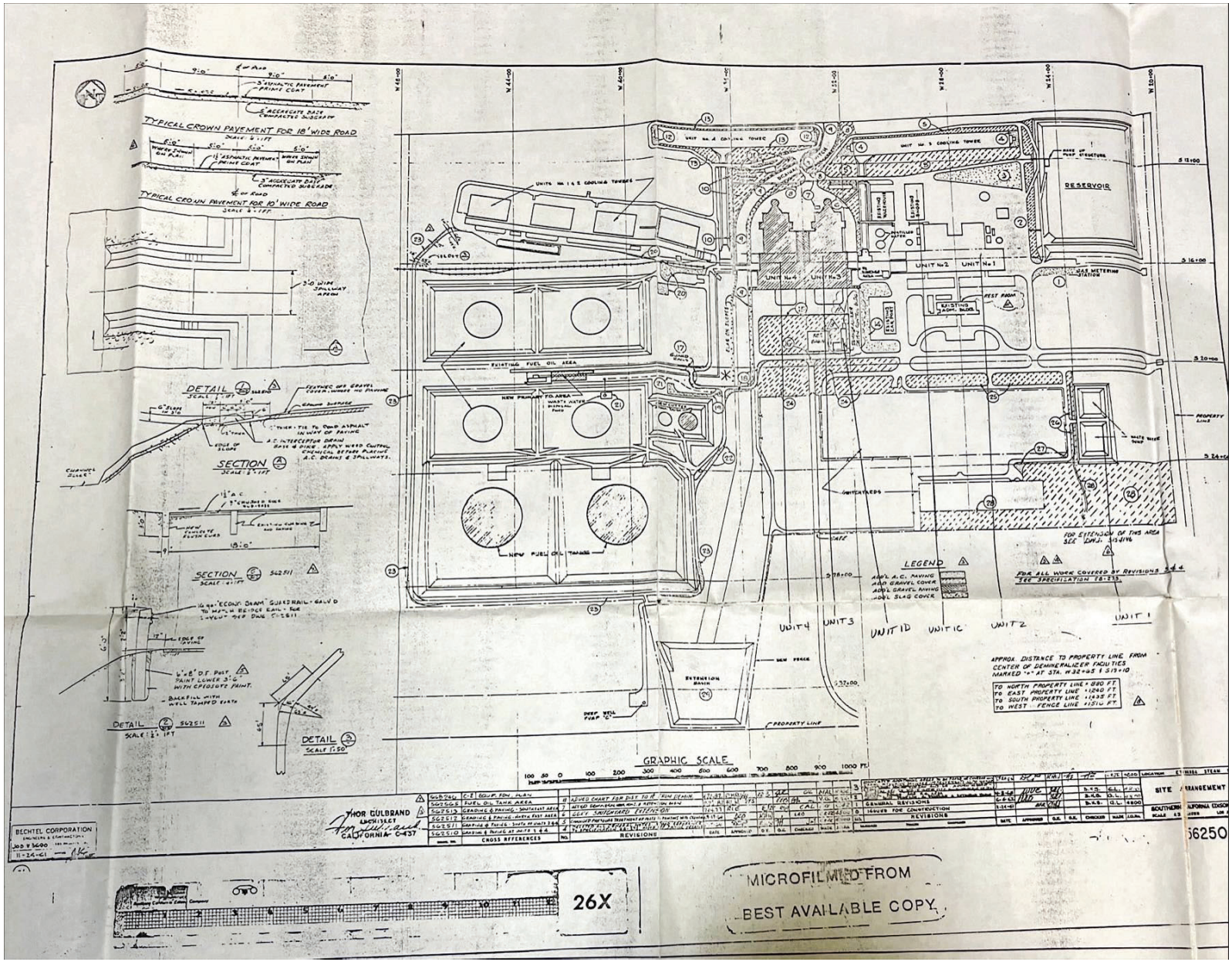
Small Quantity Generator Training: Small quantity generators (less than 1,000 kg) must include basic hazardous waste management and emergency response procedures but a written employee training plan and training records are not required. In order to show that the facility has met the small quantity generator employee training requirement, an employee training plan and training records may be made available.

Hazardous Materials Business Plan Training: Businesses must provide initial and annual employee training that includes the content referenced above. The training may be based on the job position and training records must be made available for a period of at least three years.

J. LIST OF ATTACHMENTS

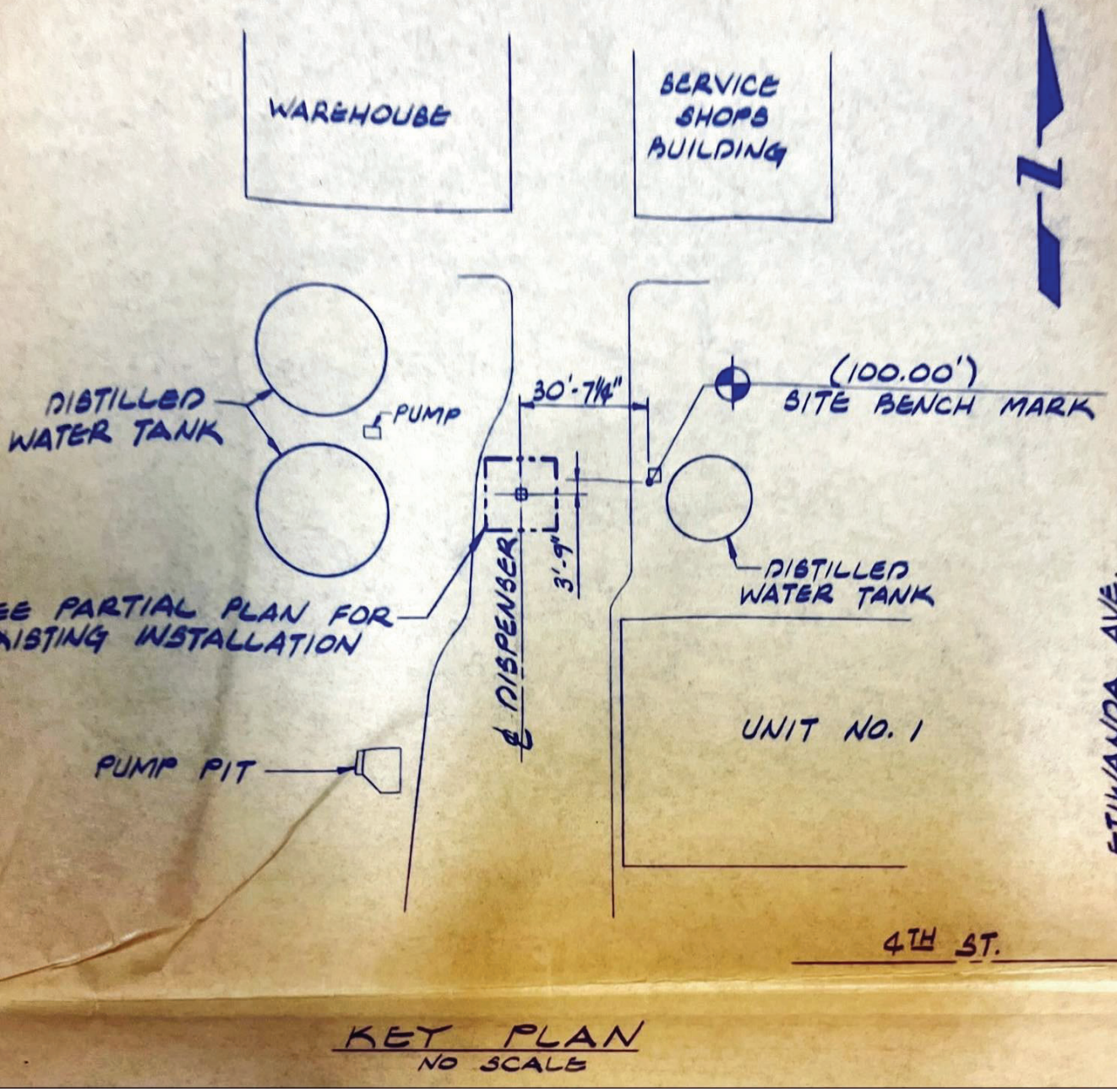
Check one of the following: J1.

- [x] 1. NO ATTACHMENTS ARE REQUIRED; or
- [ ] 2. THE FOLLOWING DOCUMENTS ARE ATTACHED: J2.



MICROFILMED FROM BEST AVAILABLE COPY

UNDERGROUND TANK REPLACEMENT FINISH PAVING PLAN | UGT-018-C1



KEY PLAN
NO SCALE

Southern California Edison Company
Environmental Operations

Etiwanda Generating Station
Site Characterization Study
Preliminary Report
July 5, 1985

Prepared By:
R. M. Goodson

Table of Contents

		Page
1.0	Introduction/Background	1
2.0	Site Characterization Sample Plan	3
2.1	Channel Samples	4
2.2	Basin Samples	6
2.3	Spill Samples	8
2.4	Groundwater Samples	9
2.5	Backhoe Samples	9
2.6	EGS Fuel Oil Samples	10
2.7	TAMCO Samples	10
3.0	Environmental Setting	11
3.1	Geology	11
3.2	Subsurface Conditions	13
3.3	Hydrology	14
3.4	Hydrogeology	15
3.5	Vadose Zone	16
4.0	Sample Analysis Data	19
5.0	Conclusions and Recommendations	20

ETIWANDA GENERATING STATION
SITE CHARACTERIZATION STUDY
PRELIMINARY REPORT

1.0 Introduction

1.1 Background

Southern California Edison Company's (SCE) Etiwanda Generating Station (EGS) is located at 8996 Etiwanda Avenue, Etiwanda, San Bernardino County, California as indicated on Figure 1. The facility operates as a fossil fueled electrical generating station providing an energy resource for customers within the SCE distribution territory.

EGS began operations in 1953 with the construction of Units 1 and 2. Units 3 and 4 went into operation in 1963 and Unit 5 in 1969. Construction of the facility incorporated an existing surface drainage channel that crosses the property following the natural gradient in a north to south direction. This channel provides storm water run-off drainage for the adjacent EGS area as well as an industrial area located immediately north of the EGS property line.

On March 13, 1985, a substantial oil/water spill of approximately 10,000 gallons occurred at the TAMCO facility located in the industrial area north of the EGS property line. Natural drainage conveyed the spill through the above mentioned

surface drainage channel onto EGS property. This incident was reported to the California Regional Water Quality Control Broad, Santa Ana Region (Regional Board) by TAMCO.

Cleanup of the spill on TAMCO and SCE property was commenced by TAMCO soon after the spill. The cleanup conducted on SCE property revealed that visually contaminated soil extended deeper into the soil strata than what would be expected from the March 13, 1985 spill alone. In consultation with the Regional Board staff, SCE agreed to conduct a site characterization study to assess the extent and nature of soil contamination within the drainage channel on EGS property.

1.2 Objective

The objective of the site characterization study is to define the source, extent, and constituent character of the EGS drainage channel contamination. Findings from this study will be the basis for decision making in determining the environmental consequences and appropriate final disposition of the contaminated material.

1.3 Channel Description

The drainage channel is approximately 2,250 yards in length (see Figure 2). It is a natural topographic feature that existed

prior to any land development at EGS. Only minor changes have been made to the channel to accommodate facility construction.

The channel is aligned in a north to south direction originating outside of EGS's northern boundary and exiting EGS's southern property boundary. The channel functions to provide drainage for surface rainfall run-off associated with storm occurrences. SCE constructed a drainage spreading basin in the channel at the southern property boundary to allow for percolation of normal rainfall run-off. With this modification, the discharge of run-off from EGS property occurs only during substantial rainfall periods.

2.0 Site Characterization Sample Plan

SCE developed a sample plan to define the vertical and lateral extent as well as the chemical nature of the site contamination. The sample plan consisted of the following components:

- Soil boring and sampling of the drainage channel and spreading basin.

- o EGS soil and liquid effluent sampling on EGS property of the March 13, 1985 TAMCO spill.

- o Local groundwater quality sampling.

- o Backhoe excavation and sampling within the basin.

- o EGS fuel oil sampling.

- o TAMCO wastewater stream sampling.

Sampling for each sample plan component was carried out according to the following methods:

2.1 o Channel samples

-- Eight sample locations (A through H) were established within the channel between the northern property boundary and the basin at approximately 300 foot intervals as indicated on Figure 3.

-- A boring was made as close as possible to the center line of the channel at each channel sample location.

-- Additional lateral borings were made on each side of the center line sample point at about ten foot intervals. These lateral borings were continued until visual examination of the soil cores showed no contamination. This indicated the approximate lateral boundary of the contamination zone.

-- Sample points B, C, and F precluded following the intended sample plan because of accessibility problems. One soil core was obtained at each point B and C and none at point F. A total of 20 borings were made within the channel.

-- All soil borings were sampled continuously to a target minimum depth of approximately four to five feet. If visible contamination was observed at the minimum depth, sampling depth was extended until a clean soil interface was observed. Some soil borings made at the apparent lateral boundary of the soil contamination were to a depth of approximately two feet. Soil core samples were composited at one foot intervals and individually placed in glass sample bottles. In some cases, samples were composited at less or

more than one foot intervals depending on observed field conditions. All samples were transported to a state certified laboratory for analysis or storage.

-- All soil cores were logged and classified as to observed physical properties.

-- Soil samples were selectively chosen for analysis according to appearance and lateral and vertical location. All samples chosen for analysis were analyzed for total petroleum hydrocarbons. Selected samples were chosen for California Assessment Manual (CAM) metals and/or priority pollutant analysis based on appearance, location, and results of the total petroleum hydrocarbon analysis.

2.2 o Spreading basin samples

-- A total of 34 borings (CB-1 through CB-34) were made in the basin area as indicated in Figure 4.

-- All soil borings were sampled continuously to a targeted minimum depth of approximately eight to ten feet. If visible contamination was observed

at the minimum depth, sampling depth was extended until a clean soil interface was observed. Soil core samples were composited at one foot intervals and individually placed in glass sample bottles. In some cases, samples were composited at less or more than one foot intervals depending on observed field conditions. All samples were transported to a state certified laboratory for analysis or storage.

-- All soil cores were logged and classified as to observed physical properties.

-- Soil samples were selectively chosen for analysis according to appearance and lateral and vertical location. All samples chosen for analysis were analyzed for total petroleum hydrocarbons. Selected samples were chosen for CAM metals and/or priority pollutant analysis based on appearance, location, and results of the total petroleum hydrocarbon analysis.

2.3 o Spill samples

-- Soil samples from the March 13, 1985 TAMCO spill material were collected at six locations within the drainage channel system. The location of these sample points (1 through 6) are indicated on Figure 3. The samples were collected as surface soil samples and analyzed for the following constituents:

  - o Total petroleum hydrocarbons.
  - o CAM metals.
  - o Base-neutral and acid extractable organics.

-- One grab sample was collected from the liquid component of the TAMCO spill material on March 13, 1985. A second grab sample was collected from a subsequent liquid discharge from TAMCO on SCE property on March 25, 1985. These liquid samples were analyzed for total petroleum hydrocarbons and CAM metals.

2.4 o Groundwater samples

-- Grab samples were collected from two on-site groundwater wells and one upgradient well located on TAMCO property. The location of all three wells are indicated on Figure 6.

-- All well samples were analyzed for selected mineral and metal concentrations.

2.5 o Backhoe excavation and sampling

-- A series of holes were dug within the basin by a backhoe machine in an effort to obtain a quick indication of the lateral extent of soil contamination. A total of sixteen holes were dug within the upper half of the basin. The location of these holes (1 through 16) are indicated on Figure 5.

-- Three samples were collected at specific depths from a representative selection of holes. All samples were analyzed for total petroleum hydrocarbons. In addition, the petroleum hydrocarbon component of the samples were analyzed in detail to determine the specific chemical signature of the oil.

2.6 o EGS fuel oil

-- A sample was taken from the EGS fuel oil supply and analyzed to determine the specific chemical signature of the oil stored at the site.

-- Two soil borings were made at the closest point between EGS fuel oil storage tanks and the drainage channel system. The location of these sample points (OT-1 and OT-2) are indicated on Figure 4. The soil core sample depths for OT-1 was approximately 10 ft. and OT-2 was approximately 15 ft. These soil core samples were analyzed for total petroleum hydrocarbons.

2.7 o TAMCO samples

-- Liquid grab samples were collected from TAMCO's oil/water separator basin, cooling tower basin, and the TAMCO drainage ditch. In addition, one surface soil sample was collected at a point near the discharge of the drainage ditch from TAMCO property. The location of these sample points are indicated on Figure 3.

-- All TAMCO samples were analyzed for total petroleum hydrocarbons. In addition, the petroleum component of the samples were analyzed to determine the specific chemical signature of the oil.

3.0 Environmental Setting at the Etiwanda Generating Station

3.1 Geology

3.1.1 Topographic Setting

EGS is situated within the central portion of the upper Santa Ana River Valley on a broad, gently undulating alluvial plain. This plain consists of coalescing alluvial fans, which have grown southward from the upper San Gabriel Mountains (approximately 6 miles to the north) and the Jurupa Mountains (approximately 4-1/2 miles to the southeast). The San Gabriel Mountains are a large fault block of plutonic and metamorphic rocks, uplifted along a system of marginal and internal faults. The Jurupa Mountains rise above the alluvial plain as out-layers of the Perris Block Highland to the southeast and are separated from the Highland by the broad alluviated valley of the Santa Ana River. (Burnham, 1953). The Santa Ana River is approximately 8 miles south of the site.

3.1.2 Stratigraphy

Surface deposits at the EGS site have beem mapped as undifferentiated Pleistocene alluvial deposits of gravel, sand, silt, and clay. (Burnham, 1953). The available data reviewed suggests a total thickness of alluvial in excess of 700 feet. Borings conducted on the site for foundation investigations revealed predominately sands and gravels to a depth of 100 feet (from SCE files); no groundwater was encountered in these borings. The exact depth to and type of bedrock beneath the site is unknown.

3.1.3 Tectonic Setting

The faults within the area are two general types: (1) east-west or northeast trending, steeply dipped reverse and thrust of the Cucamonga fault system along the southern margin of the San Gabriel Mountains and (2) a series of northwest trending, nearly vertical faults associated San Jacinto and San Andreas fault system east of the site. In addition, the active San Andreas fault zone lies approximately 13.5 miles northeast of the site, beyond the San Jacinto fault. All of the known faults in the area affect the unconsolidated water-bearing deposits to some degree and are important to the groundwater movement in that they may act as barriers to movement. (Burnham, 1953).

The San Jacinto fault splays off from, and is associated with, the San Andreas fault. It is one of the most historically active faults in Southern California, having produced several large earthquakes (magnitude 6 to 7) including those that occurred east and south of the site in 1899, near San Jacinto in 1918, and near Borrego in 1968. The fault is approximately 8-1/2 miles northeast of the site.

The Cucamonga fault, which is the easternmost segment of the Sierra Madre fault system, is approximately 5 miles north of the site and forms the southern front of the San Gabriel Mountains in the area.

3.2 Subsurface Conditions

The subsurface conditions described in this section are preliminary based on previous foundation investigation reports (Dames and Moore; 1951; LeRoy Crandall and Associates, 1967). In general, the subsurface soils below the site to a depth of approximately 100 feet (maximum depth of previous explorations) consists predominantly of fine to course sands and gravel. Within the sands and gravel strata there are scattered lenses and thin layers of clay. The density of the upper strata (to a depth of 50 feet) ranges from dense to very dense; the density of the soils below 50 feet is generally very dense. The permeability of the sands and gravels is relatively high.

Groundwater was not encountered in any of the previous geotechnical studies at the site; the regional groundwater levels have generally been on the order of 400 feet below the surface.

3.3 Hydrology

3.3.1 Names and Locations of Surface Water Bodies

There are three stream channels within ¼ mile of EGS. These are Day Creek, East Etiwanda Creek, and San Sevaine Channel, as shown in Figure 1. Although the EGS site is surrounded by stream channels, it is not expected to be affected by a 100-year flood according to available flood insurance maps.

3.3.2 Flow Characteristics and Water Analysis

Day Creek flows to the south and is located approximately 1,600 feet west of the EGS site; East Etiwanda Creek flows to the south and is located approximately 400 feet east of the site; San Sevaine Channel flows south and is approximately 2,700 feet east of the site. All these streams are gauged and varying amounts of stream flow data are available.

3.4 Hydrogeology

3.4.1 Regional Hydrogeology

The EGS is located in the central portion of the Chino Basin. The Chino Basin is bound by: The crystalline rocks of the Jurupa Mountains of the south; the Rialto-Colton Basin Barrier on the east; the portion of the Riverside Basin that lies north of the Riverside-San Bernardino County line to the southwest; the Cucamonga fault to the immediate north; and the Red Hill fault zone to the northwest (Fife, Morton, and others, 1976).

The Chino Basin groundwater reservoir includes an area of about 45,000 acres underlain primarily by Pleistocene alluvial deposits consisting of sand, gravel, and boulders interspersed with deposits of silt and clay. The alluvial deposits thicken from the east towards the west. Depth to bedrock is about 1,200 feet below the surface in the western portion of the basin.

The primary source of groundwater in the Chino Basin is underflow from the Rialto-Colton Basin. The underflow enters the eastern end of the basin in the area between Bloomington and the Jurupa Mountains. The second largest source of recharge to the Chino Basin is percolation of irrigation returns and precipitation on the valley floor (Hardt and Hutchinson, 1980; Burnham, 1953).

3.4.2 Site Hydrogeology

The hydrostratigraphic units beneath the EGS site appear to be essentially the same as the regional hydrostratigraphic units. Depth to groundwater fluctuates and varies in relation to precipitation and groundwater management. Water level records from 1930 to 1951 indicate an average water table elevation of 770 feet (Dutcher, 1936, 1945; Burnham, 1953, SBCFCD, 1984); the surface of the site is at an approximate elevation of 1,100 feet. For the period 1951 to 1980, the San Bernardino County Flood Control District and Fontana Union Water Company groundwater level records indicate water surface elevations ranging from 690 to 785 feet.

There are three wells identified as the East Well, Center Well, and West Well on the EGS site. These wells are used to supply the facility's cooling water and other miscellaneous uses. The well hydraulic test results are shown in Figures 7, 8, and 9.

3.5 Vadose Zone

The vadose zone at the EGS site is approximately 400 feet thick. The vadose zone is composed of unconsolidated Pleistocene alluvial deposits that include gravel, sand, silt, and clay (Fife, Rogers, and others, 1976; Burnham, 1953). Boring logs for on-site sub-surface foundation investigations

conducted in 1951 and 1967 show that the upper 100 feet of the vadose zone consists primarily of sand and sandy silt, with minor lenses of gravel. Moisture contents observed in 1967 generally range from 5 to 15%.

A summary of the sequence of stratigraphic units, their general characteristics and water bearing properties (Burnham, 1953) is presented below:

GENERALIZED STRATIGRAPHIC COLUMN

Age	Unit	Thickness
Recent	Younger alluvium - relatively unweathered alluvial fan and stream deposits of boulders, cobbles, gravel, sand, and silt; forms most of the present day fan surfaces.	0-200
	Unconformity	
Upper-Pleistocene	Dune sand - course to fine sand, poorly rounded and no longer actively drifting, except very locally.	0-30
	Local Unconformity	
Upper-Pleistocene	Older alluvium - gravel, sand, silt, and clay of fluvial origin making up nearly all of the valley fill beneath the younger alluvium. Composed of two members, the lower derived mainly from older sediments and from rocks of a crystalline basement to the northeast and the upper derived largely from the San Bernardino and San Gabriel Mountains and from terraces along canyon walls and isolated islands of red-brown soils that have escaped burial by the younger alluvium.	0-1200

4.0 Sample Analysis Data

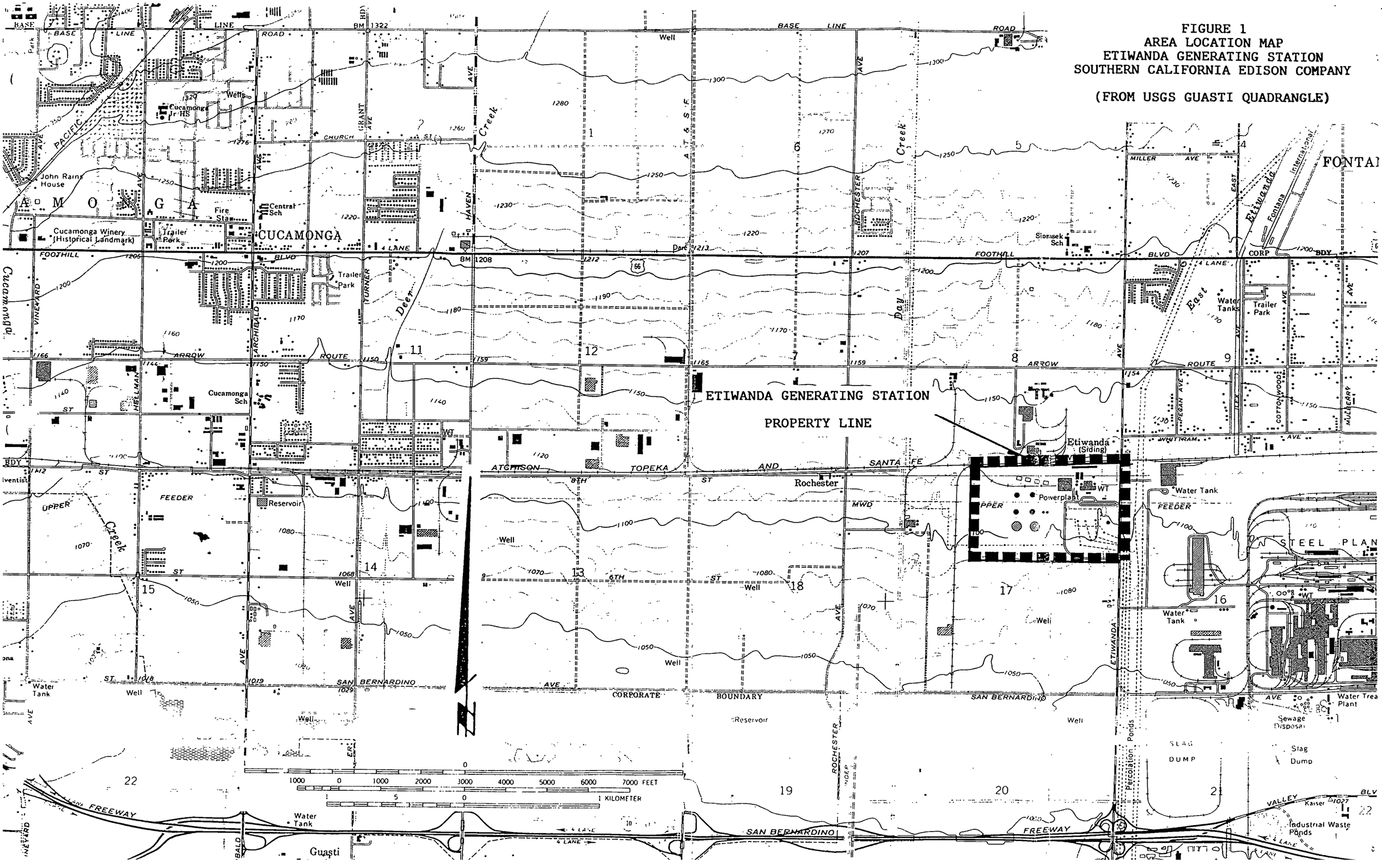
The sample analysis data will be submitted at a later time in the final site characterization study.

5.0 Conclusions and Recommendations

Conclusions and recommendations will be submitted at a later time in the final site characterization study.

FIGURE 1
AREA LOCATION MAP
ETIWANDA GENERATING STATION
SOUTHERN CALIFORNIA EDISON COMPANY

(FROM USGS GUASTI QUADRANGLE)



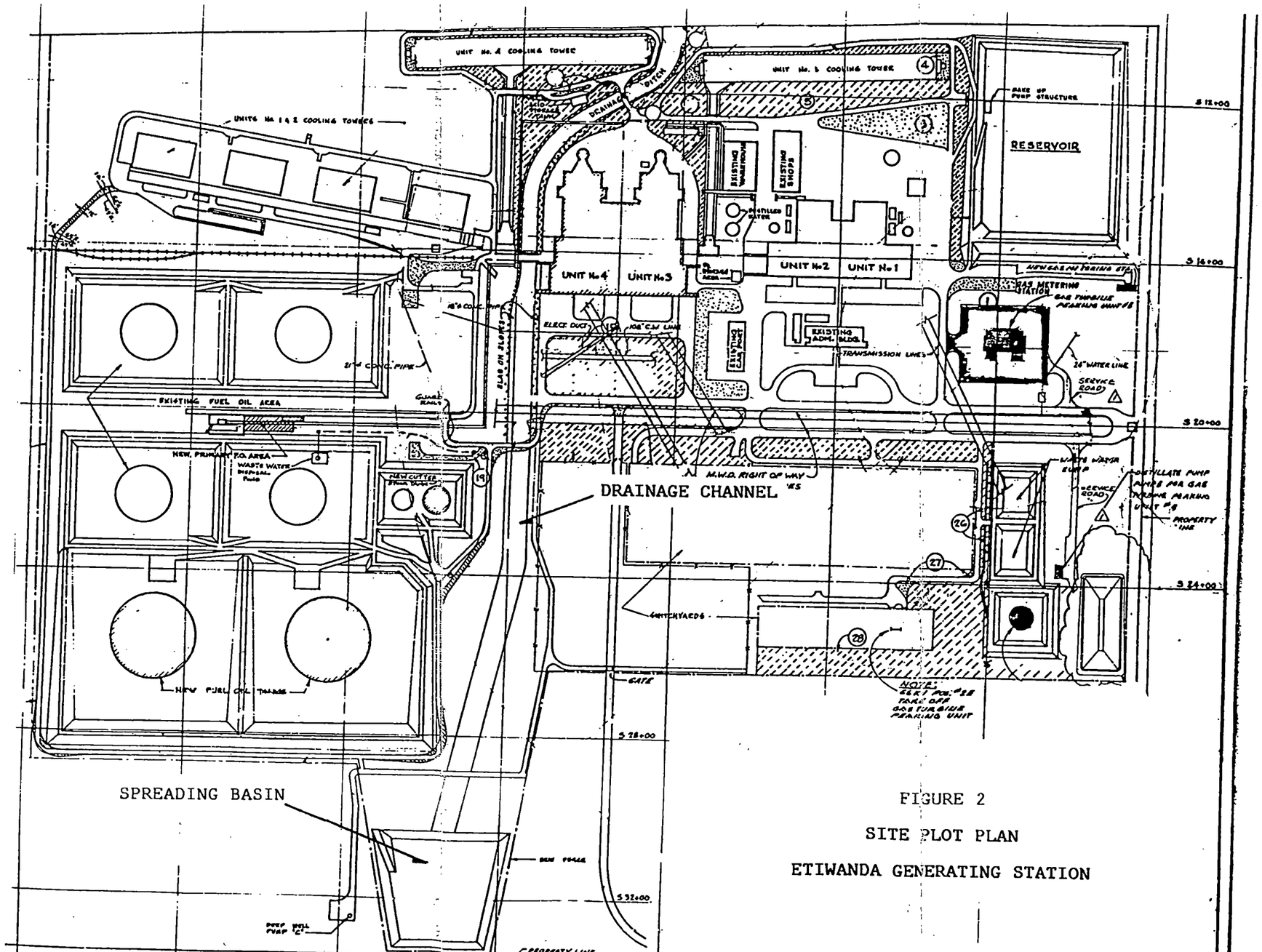


FIGURE 2

SITE PLOT PLAN

ETIWANDA GENERATING STATION

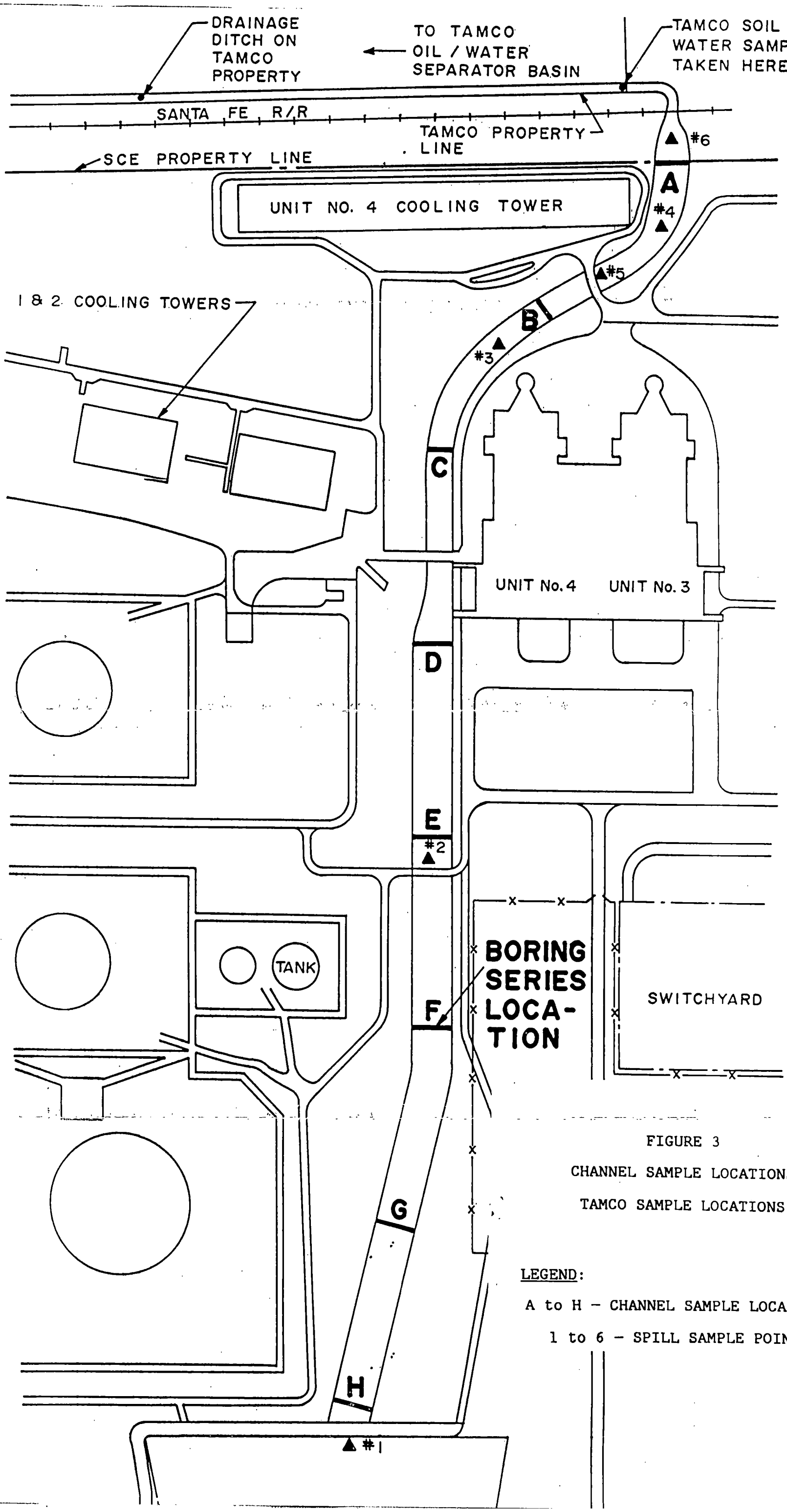


FIGURE 3

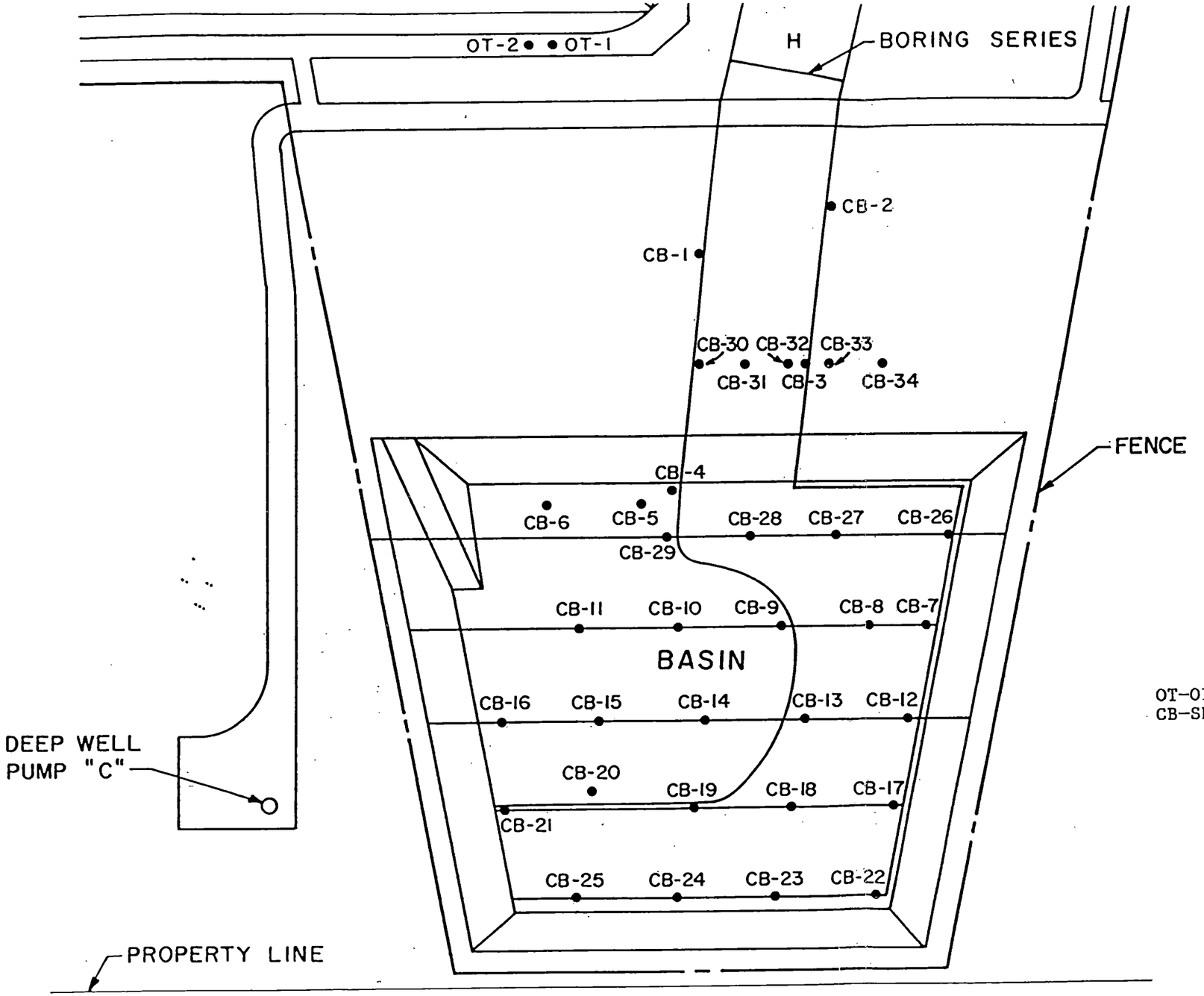
CHANNEL SAMPLE LOCATIONS

TAMCO SAMPLE LOCATIONS

LEGEND:

A to H – CHANNEL SAMPLE LOCATIONS

1 to 6 – SPILL SAMPLE POINTS



LEGEND:

OT–OIL TANK SAMPLE POINTS
CB–SPREADING BASIN SAMPLE POINTS

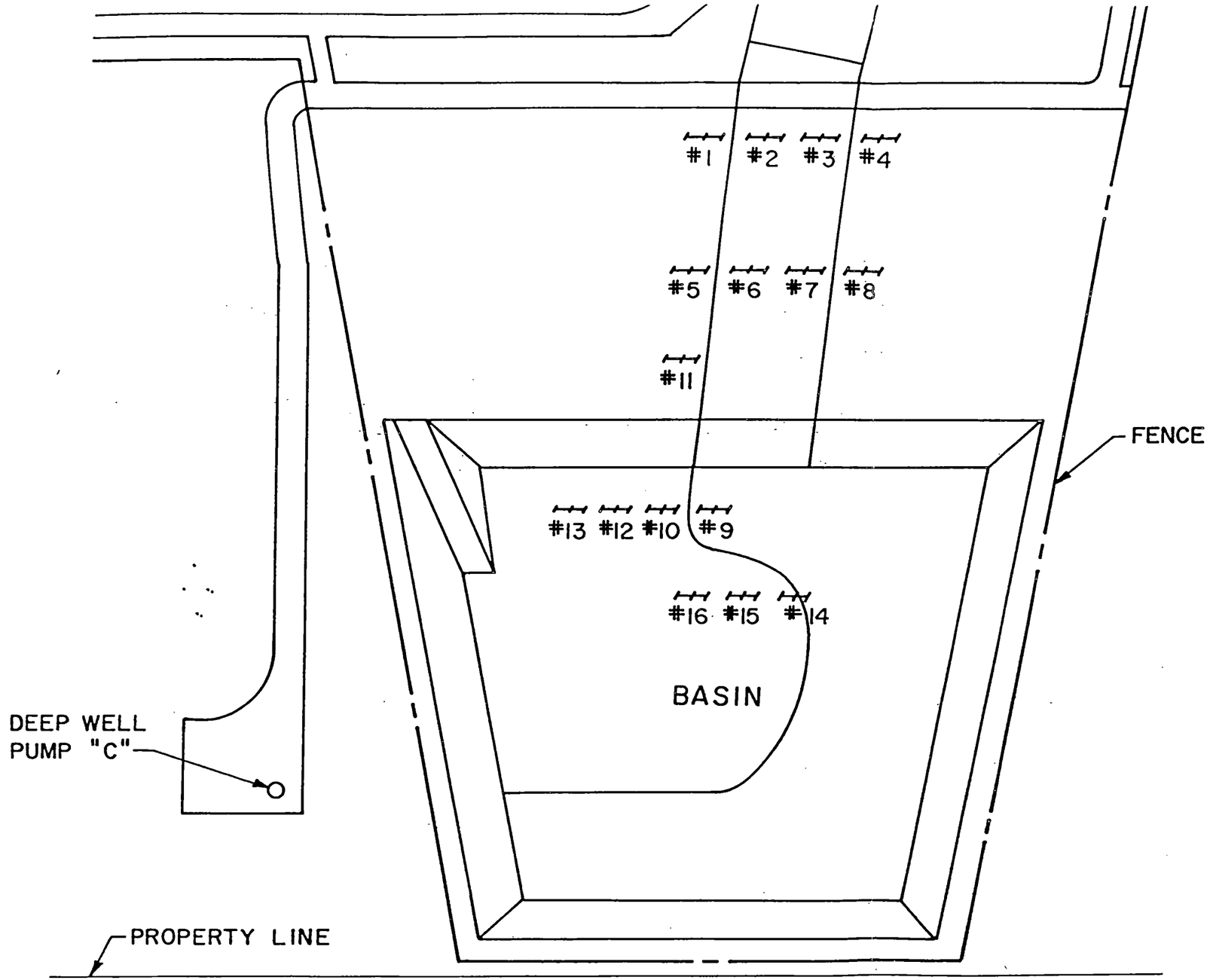
GRAPHIC SCALE

0 100 200 300 400 500 600

FIGURE 4

SPREADING BASIN SAMPLE LOCATIONS

OIL TANK SAMPLE LOCATIONS



LEGEND:

⊢⊣⊢ – BACKHOE SAMPLE POINTS

GRAPHIC SCALE

0 100 200 300 400 500 600

FIGURE 5

BACKHOE SAMPLE LOCATIONS

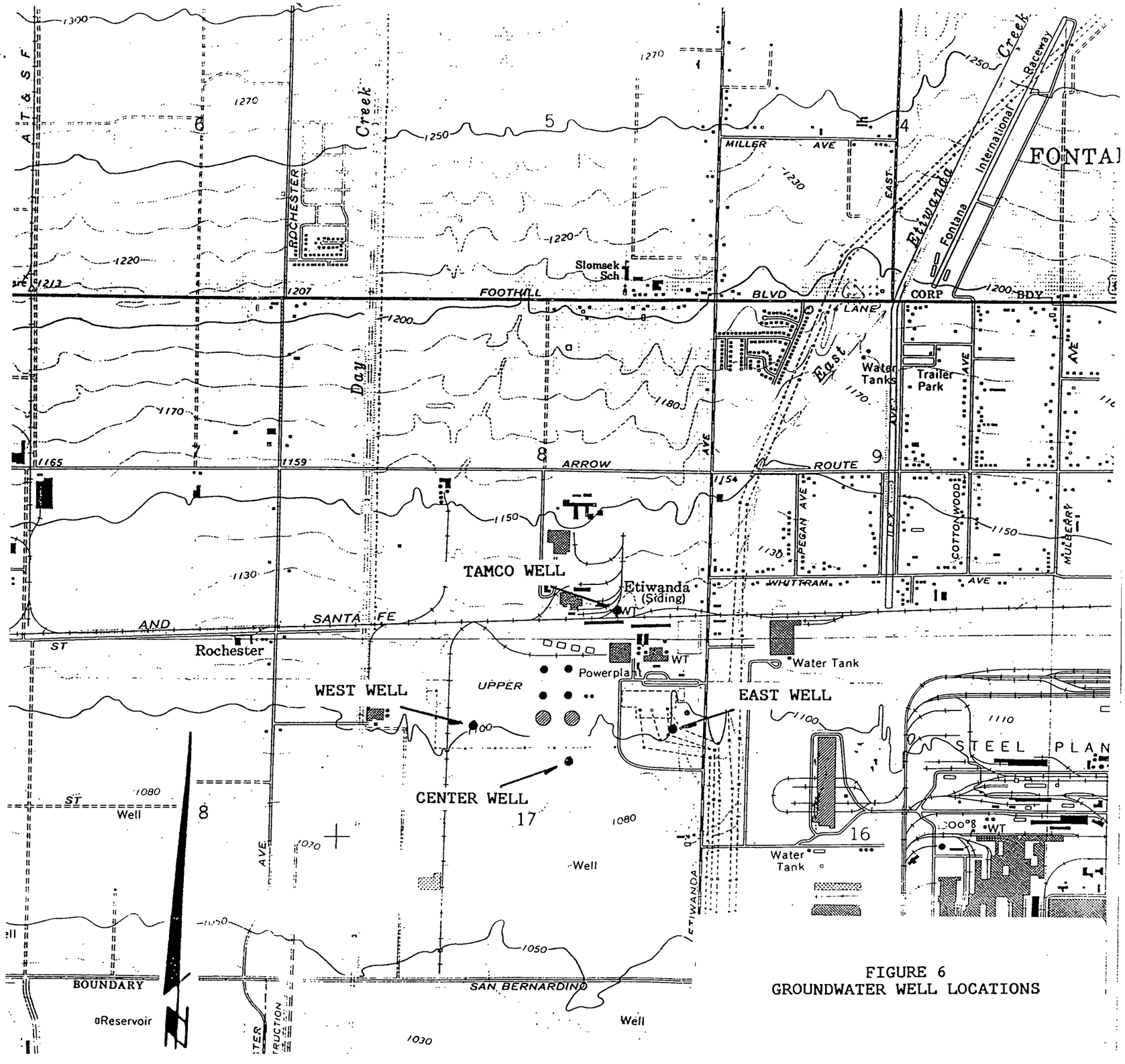


FIGURE 6
GROUNDWATER WELL LOCATIONS

FIGURE 7

SOUTHERN CALIFORNIA EDISON COMPANY

DECEMBER 23, 1983

ETIWANDA STEAM GENERATION
ETIWANDA STEAM GENERATION/RON

SUBJECT: HYDRAULIC TEST RESULTS - EAST WELL
ACCT: 4-00-34-000-0000
100FT S/O PLANT & ET1
DATE OF TEST:NOVEMBER 30,1983

IN ACCORDANCE WITH YOUR REQUEST, A TEST WAS MADE ON YOUR SUBMERSIBLE WELL PUMP ON THE DATE LISTED ABOVE. IF YOU HAVE ANY QUESTIONS REGARDING THE TEST RESULTS WHICH FOLLOW, PLEASE CONTACT D. R. KNISS, (714) 875-5100.

EQUIPMENT

PUMP: BJ NO: 265847
MOTOR: BJ 350.0 HP NO: 265847
METER: 4KV BUS
HYDRAULIC TEST REFERENCE NUMBER:

TEST RESULTS

DISCHARGE PRESSURE,PSI	27.0
STANDING WATER LEVEL,FT	382.2
DRAWDOWN,FT	20.9
DISCHARGE HEAD,FT	62.4
PUMPING WATER LEVEL,FT	403.1
TOTAL HEAD,FT	465.5
CAPACITY,GPM	2137.0
GPM PER FT DRAWDOWN	102.2
ACRE FT PUMPED IN 24 HRS	9.446
KW INPUT TO MOTOR	0.0
HP INPUT TO MOTOR	0.0
MOTOR LOAD(%)	0.0
MEASURED SPEED OF PUMP,RPM	
KWH PER ACRE FT	0.
OVERALL PLANT EFFICIENCY(%)	*******
CUSTOMER'S METER,GPM	2290

D. A. EASTMAN
DISTRICT MANAGER

FIGURE 8

SOUTHERN CALIFORNIA EDISON COMPANY

DECEMBER 23, 1983

ETIWANDA STEAM GENERATION
ETIWANDA STEAM GENERATION/RON

SUBJECT: HYDRAULIC TEST RESULTS - CENTER WELL
ACCT: 4-00-34-000-0000
1/4 MI W/O ETIWANDA
DATE OF TEST:NOVEMBER 30,1983

IN ACCORDANCE WITH YOUR REQUEST, A TEST WAS MADE ON YOUR SUBMERSIBLE WELL PUMP ON THE DATE LISTED ABOVE. IF YOU HAVE ANY QUESTIONS REGARDING THE TEST RESULTS WHICH FOLLOW, PLEASE CONTACT D. R. KNISS, (714) 875-5100.

EQUIPMENT

PUMP: BJ NO: 395598
MOTOR: BJ 350.0 HP NO: 395598
METER: 4KV BUSS
HYDRAULIC TEST REFERENCE NUMBER:

TEST RESULTS

DISCHARGE PRESSURE,PSI	29.6
STANDING WATER LEVEL,FT	387.0
DRAWDOWN,FT	43.8
DISCHARGE HEAD,FT	68.4
PUMPING WATER LEVEL,FT	430.8
TOTAL HEAD,FT	499.2
CAPACITY,GPM	1917.0
GPM PER FT DRAWDOWN	43.8
ACRE FT PUMPED IN 24 HRS	8.473
KW INPUT TO MOTOR	0.0
HP INPUT TO MOTOR	0.0
MOTOR LOAD(%)	0.0
MEASURED SPEED OF PUMP,RPM	
KWH PER ACRE FT	0.
OVERALL PLANT EFFICIENCY(%)	*******
CUSTOMER'S METER,GPM	1977

D. A. EASTMAN
DISTRICT MANAGER

FIGURE 9

SOUTHERN CALIFORNIA EDISON COMPANY

DECEMBER 23, 1983

ETIWANDA STEAM GENERATION
C/O RON KEAN
ETIWANDA

SUBJECT: HYDRAULIC TEST RESULTS - WEST WELL
ACCT: 4-00-34-000-0000
1/2 MI W/O ETIWANDA
DATE OF TEST:NOVEMBER 30,1983

IN ACCORDANCE WITH YOUR REQUEST, A TEST WAS MADE ON YOUR SUBMERSIBLE WELL PUMP ON THE DATE LISTED ABOVE. IF YOU HAVE ANY QUESTIONS REGARDING THE TEST RESULTS WHICH FOLLOW, PLEASE CONTACT D. R. KNISS, (714) 875-5100.

EQUIPMENT

PUMP: BJ NO: 262493
MOTOR: BJ 350.0 HP NO: 262493
METER: 4KVBOSS
HYDRAULIC TEST REFERENCE NUMBER:

TEST RESULTS

DISCHARGE PRESSURE,PSI	32.0
STANDING WATER LEVEL,FT	391.9
DRAWDOWN,FT	14.9
DISCHARGE HEAD,FT	73.9
PUMPING WATER LEVEL,FT	406.8
TOTAL HEAD,FT	480.7
CAPACITY,GPM	1930.0
GPM PER FT DRAWDOWN	129.5
ACRE FT PUMPED IN 24 HRS	6.531
KW INPUT TO MOTOR	0.0
HP INPUT TO MOTOR	0.0
MOTOR LOAD(%)	0.0
MEASURED SPEED OF PUMP,RPM	
KWH PER ACRE FT	0.
OVERALL PLANT EFFICIENCY(%)	*******
CUSTOMER'S METER,GPM	2143

D. A. EASTMAN
DISTRICT MANAGER

San Bernardino County Fire Department

Hazardous Materials Division

Hazardous Materials Response Report

Printed: 7/6/99 11:20:14 AM

CO0003575

INCIDENT IDENTIFICATION/TRACKING

HMRR Number 99070101SN OES Number 992781 Cost Recovery Request? ☐

Date In 6/30/99 Date Out 7/1/99 Time In 7:15:00 PM Time Out _____ Hrs. _____

Reporting Party PAUL LACROIX Telephone Number (909) 899-7253

INCIDENT LOCATION

Street Number 8996 Street Direction _____ Street Name ETIWANDA

Cross Street _____

City RANCHO CUCAMONGA Zip Code _____ Unincorporated Area # _____

INCIDENT DESCRIPTION

Incident Type: RELEASE/ FACILITY RELATED Response Team Responded? ☐

Environment Type: FACILITY SITE Rural ☐ Suburban ☐ Urban ☑ Industrial ☐

Hazmat Released? ☑ Air ☐ Water ☑ Soil ☐ Human ☐ Animal ☐ Dispersed ☐ Contained ☐

MATERIAL DESCRIPTION

Chemical Name	Rel/Amt	Units	Container	DOT
PROCESS TOWER WATER	500	GAL		

ACTIONS TAKEN AT INCIDENT

HazMat Contained ☐ HazMat Removed ☐ HazMat Neutralized ☐ Washed Down ☐

Barriers Established ☐ Road Closure ☐ Evacuation Ordered ☐ Radius Evacuated _____ Miles

Hospitalization Required? ☐ How Many? _____ Hospital Name _____

Hauler Used? ☐ Hauler Name _____ Manifest No. _____

Complaint Taken ☐ Referred ☐ To: _____ DAO Referral ☐ Prop 65 Report ☐

RESPONDING HAZMAT UNITS PRIORITY OF RESPONSE

RESPONDING AGENCY

1 County Fire Department 2 State RWQBC 3 State Cal Department of Justice

SBCFDHMD RESPONDERS ON SCENE

1 NOTIFICATION ONLY

SUSPECT PARTY

Party Name _____ DOB _____ Drivers Licence # _____

Company Name RELIANT GENERATOR STATIO Establishment # _____

Street Number _____ Street Direction _____ Street Name _____

City _____ State _____ Zip Code _____ Phone _____

RESPONSIBLE PARTY OR PROPERY OWNER

Property Owners Name _____

Street Number _____ Street Direction _____ Street Name _____

Date of Entry Tuesday, July 06, 1999 Entered By NICHOLAS, SANDRA HMRR Number 99070101SN

San Bernardino County Fire Department

Hazardous Materials Division

Hazardous Materials Response Report

Printed: 7/6/99 11:20:14 AM

City _____ State _____ Zip Code _____ Phone _____

NARRATIVE AND ADDITIONAL INFORMATION

THE SYSTEM HAD MALFUNCTION. RAW WELL WATER WAS RELEASED. VACUMN WATER WAS USED FOR CLEAN UP. NO INJURIES OR ENVIRONMENTAL IMPACT. THIS WAS REPORTED TO RWQB AND OES. NO RESPONSE BY THIS DEPARTMENT.

Date of Entry Tuesday, July 06, 1999 Entered By NICHOLAS, SANDRA HMRR Number 99070101SN

San Bernardino County Fire Department
HAZARDOUS MATERIALS DIVISION

HAZARDOUS MATERIALS RESPONSE REPORT

DATE __/__/__ TIME __:__

INCIDENT IDENTIFICATION/TRACKING

HMRR Number 99 0701 0151 N OES Number 99-3781 COST RECOVERY YES / NO
Date In 6/30 Date Out _____ Time In 19:15 Time Out _____ Hrs.
Reporting Party Paul Lacroix Telephone Number 909 899-7253

INCIDENT LOCATION

Street Number 8996 Street Direction E Street Name Etiwanda Cross Street Etiwanda Cemetery Sta
City* R.C. Zip Code _____ Unincorporated Area # _____

INCIDENT DESCRIPTION

Incident Type:* Facility Response Team Responded? Y/N N
Environment Type:* _____ Rural ☐ Suburban ☐ Urban ☐ Industrial ☐
Hazmat Released? Y/N Y Air ☐ Water ☑ Soil ☐ Human ☐ Animal ☐ Dispersed ☐ Contained ☐

MATERIAL DESCRIPTION

	Chemical Name*	Rel/Amt	Units	Container*	DOT*
1.	process @ Tower water	500	gal		
2.					
3.					
4.					

ACTIONS TAKEN AT INCIDENT

HazMat Contained ☐ HazMat Removed ☐ HazMat Neutralized ☐ Washed Down ☐
Barriers Established ☐ Road Closure ☐ Evacuation Ordered ☐ Radius Evacuated ____ Miles
Hospitalization Required? ☐ How Many? ____ Hospital Name _____
Hauler Used? ☐ Hauler Name _____ Manifest No. _____
Complaint Taken ☐ Referred ☐ To: _____ Prop 65 Report ☐

RESPONDING HAZMAT UNITS PRIORITY OF RESPONSE*

1st Agency _____ 3rd Agency _____
2nd Agency _____ 4th Agency _____

RESPONDING AGENCY

Local Agencies: FD __ PD __ Road __ Public Works __ Parks __ Health __
County Agencies: FD __ SO __ Road __ District Attorny __ Flood Control __ Agriculture __ Health __
State Agencies: CDF __ CHP __ DTSC __ Caltrans __ RWQBC __ CDFG __ CalOSHA __
Federal Agencies: USFS __ EPA __ USCG __ BLM __ DOJ __ ERDA __ FedOSHA __

SBCFDHMD RESPONDERS ON SCENE*

1. Notification only 3. _____
2. _____ 4. _____

SUSPECT PARTY

Party Name Reliant Energy DOB Station 1000 Driver's License # _____
Company Name ~~Reliant Energy~~ Establishment # _____
Street Number ~~1000~~ Street Direction ___ Street Name _____
City* _____ State _____ Zip Code _____ Phone _____

RESPONSIBLE PARTY OR PROPERTY OWNER

Property Owner's Name _____
Street Number _____ Street Direction ___ Street Name _____
City* _____ State _____ Zip Code _____ Phone _____

Date of Entry __/__/__ Entered by* _____

CALYPSO FORMS
Revised Februar

NARRATIVE AND ADDITIONAL INFORMATION

System malfunction - Raw well water was released
Vacuum water was used for clean up
No injuries OR environmental impact.
Reported to RWQB + OES. No response by this Dept.

EQUIPMENT INVENTORY INFORMATION

- ___ APR Carts
- ___ APR Masks
- ___ Banner Type
- ___ Batteries
- ___ Bleach
- ___ Boots Betex
  - ___ Latex
  - ___ PVC
  - ___ Vautex
- ___ Bootie PET
  - ___ Tyvek
- ___ Camera
- ___ CGI
- ___ Chlor-n-oil
- ___ Chlor-n-soil
- ___ Coliwasa
- ___ Drager Pump
- ___ Drager Tube
- ___ Drum 55-Gallon
- ___ Drum Liner
- ___ Duct Tape
- ___ Film 35mm
- ___ Film Polaroid
- ___ Fire Extinguisher
- ___ Flashlight
- ___ Glass Tubes
- ___ Glove Butyl
  - ___ Betex
  - ___ Latex
  - ___ Neoprene
  - ___ Nitril
  - ___ Silver
  - ___ Viton
  - ___ Vautex
- ___ HNU
- ___ IChem 125mm
- ___ IChem 250mm
- ___ IChem 500mm
- ___ Padlock
- ___ Glass Vials
- ___ PCB Kit
- ___ PH Paper
- ___ Pipette
- ___ Propane
- ___ SCBA
- ___ SCBA Cylinder
- ___ Soda Ash
- ___ Soda Baking
- ___ Suit Butyl
  - ___ Betex
  - ___ LUA
  - ___ PEC
  - ___ PVC
- ___ Paper Towel
- ___ Suit SNX
  - ___ Tyvek
  - ___ Vautex
- ___ Test Tubes
- ___ Turkey BST
- ___ Trowel Metal
  - ___ Plastic
- ___ Trash Bags
- ___ ZipLock Bag
- ___ _____
- ___ _____
- ___ _____
- ___ _____

DIAGRAM OR ADDITIONAL NOTES

COSTS

Personnel	$ _____
Equipment	$ _____
Agency	$ _____
Hauler	$ _____
Contractor	$ _____
_____	$ _____
Totals	$ _____

URS

DRAWING REGISTER

JOB NO: 45267-012 PROJECT TITLE : ETIWANDA SCR FILE NAME: DRAWING REGISTER

CLIENT: RELIANT ENERGY DISCIPLINE : MECHANICAL, CIVIL/STRUCTURAL, ELECTRICAL, INSTRUMENTATION DATE: 10/08/02

URS DWG. NO.	CLIENT DWG. NO.	TITLE	% COMP.	REV. DATE	REV. DATE	REV. DATE	REV. DATE
		MECHANICAL					
P-001		UNIT NO. 1 PROCESS FLOW DIAGRAM	100	A 03/06/02	D 07/18/02	0 10/04/02	
P-002		UNIT NO. 2 PROCESS FLOW DIAGRAM	100	A 03/06/02	D 07/18/02	0 10/04/02	
P-003		UNIT NO. 1 EAST - AMMONIA INJECTION & SCR PIPING & INSTRUMENT DIAGRAM	100	A 37321	D 37455	0 37533	
P-004		UNIT NO. 1 WEST - AMMONIA INJECTION & SCR PIPING & INSTRUMENT DIAGRAM	100	A 03/06/02	D 07/18/02	0 10/04/02	
P-005		UNIT NO. 1 EAST & WEST - COOLING AIR BLOWERS PIPING & INSTRUMENT DIAGRAM	100	A 03/06/02	D 07/18/02	0 10/04/02	
P-007		UNIT NO. 2 EAST - AMMONIA INJECTION & SCR PIPING & INSTRUMENT DIAGRAM	100	A 03/06/02	D 07/18/02	0 10/04/02	
P-008		UNIT NO. 2 WEST - AMMONIA INJECTION & SCR PIPING & INSTRUMENT DIAGRAM	100	A 03/06/02	D 07/18/02	0 10/04/02	
P-009		UNIT NO. 2 EAST & WEST - COOLING AIR BLOWERS PIPING & INSTRUMENT DIAGRAM	100	A 03/06/02	D 07/18/02	0 10/04/02	
P-010		UNITS NO. 1 & 2 - PROCESS UTILITIES PIPING & INSTRUMENT DIAGRAM	100	A 07/18/02	0 10/04/02		
P-011		UNITS NO. 1 & 2 - AMMONIA STORAGE & UNLOADING PIPING & INSTRUMENT DIAGRAM	100	A 03/06/02	D 07/18/02	0 10/04/02	
P-012		PROCESS UTILITIES PIPING & INSTRUMENT DIAGRAM	100	A 03/06/02	D 07/18/02	0 10/04/02	
P-015		PIPING AND INSTRUMENT DIAGRAM STANDARD SYMBOLS AND LEGEND	100	A 06/07/02	B 07/18/02	0 10/04/02	
M-097		TITLE DRAWING MECHANICAL	100	0 10/04/02			
M-098		STATION LOCATION PLAN	100	A	0 10/04/02		
M-099		AREA KEY PLAN UNITS 1 & 2	100	A	0 10/04/02		
M-100		UNIT NO. 1 - GRADE TO EL. 40'-10 3/4" PIPING PLAN	100	A	0 10/04/02		
M-101		UNIT NO. 1 - EL. 40'-10 3/4" & ABOVE PIPING PLAN	100	A	0 10/04/02		

URS

DRAWING REGISTER

JOB NO: 45267-012 PROJECT TITLE : ETIWANDA SCR FILE NAME: DRAWING REGISTER

CLIENT: RELIANT ENERGY DISCIPLINE : MECHANICAL, CIVIL/STRUCTURAL, ELECTRICAL, INSTRUMENTATION DATE: 10/08/02

URS DWG. NO.	CLIENT DWG. NO.	TITLE	% COMP.	REV.	REV.	REV.	REV.
				DATE	DATE	DATE	DATE
M-102		UNIT NO. 1 PIPING SECTION	100	A	0 37533		
M-103		UNIT NO. 1 EAST SECTIONS & DETAILS	100	A	0 10/04/02		
M-104		UNIT NO. 1 WEST SECTIONS & DETAILS	100	A	0 10/04/02		
M-105		UNIT NO. 1 - AMMONIA INJECTION AREA PARTIAL PIPING PLAN	100	A	0 10/04/02		
M-106		UNIT NO. 1 - AMMONIA INJECTION AREA PIPING SECTIONS	100	A	0 10/04/02		
M-107		UNIT NO. 1- AMMONIA INJECTION AREA PIPING SECTIONS	100	A	0 10/04/02		
M-108		UNIT NO. 1- AMMONIA INJECTION AREA PIPING SECTION	100	A	0 10/04/02		
M-109		UNIT NO. 1 - EAST GRADE TO EL. 40'-10 3/4" PIPING PLAN AND SECTIONS	100	A	0 10/04/02		
M-110		UNITS NO. 1 & 2 - AMMONIA INJECTION AREA PIPING DETAILS	100	A	0 10/04/02		
M-111		UNITS NO. 1 & NO. 2 - AMMONIA INJECTION LANCE DETAILS	100	A	0 10/04/02		
M-112		UNIT NO. 1 - AMMONIA INJECTION AREA RELOCATED PIPING PLAN	100	A	0 10/04/02		
M-113		UNIT NO. 1 - AMMONIA INJECTION AREA RELOCATED PIPING SECTION	100	A	0 10/04/02		
M-200		UNIT NO. 2 - GRADE TO EL. 40'-10 3/4" PIPING PLAN	100	A	0 10/04/02		
M-201		UNIT NO. 2 - EL. 40'-10 3/4" & ABOVE PIPING PLAN	100	A	0 10/04/02		
M-202		UNIT NO. 2 PIPING SECTION	100	A	0 10/04/02		
M-203		UNIT NO. 2 - EAST SECTIONS & DETAILS	100	A	0 10/04/02		
M-204		UNIT NO. 2 - WEST SECTIONS & DETAILS	100	A	0 10/04/02		
M-205		UNIT NO. 2 - AMMONIA INJECTION AREA PARTIAL PIPING PLAN	100	A	0 37533		

URS

DRAWING REGISTER

JOB NO: 45267-012 PROJECT TITLE : ETIWANDA SCR FILE NAME: DRAWING REGISTER

CLIENT: RELIANT ENERGY DISCIPLINE : MECHANICAL, CIVIL/STRUCTURAL, ELECTRICAL, INSTRUMENTATION DATE: 10/08/02

URS DWG. NO.	CLIENT DWG. NO.	TITLE	% COMP.	REV.	REV.	REV.	REV.
				DATE	DATE	DATE	DATE
M-206		UNIT NO. 2 - AMMONIA INJECTION AREA PIPING SECTIONS	100	A 	0 10/04/02		
M-207		UNIT NO. 2 - AMMONIA INJECTION AREA PIPING SECTIONS	100	A 	0 10/04/02		
M-208		UNIT NO. 2 - AMMONIA INJECTION AREA PIPING SECTION	100	A 	0 10/04/02		
M-209		UNIT NO. 2 WEST - GRADE TO EL. 40'-10 3/4" PIPING PLAN	100	A 	0 10/04/02		
M-210		UNIT NO. 2 - AMMONIA INJECTION AREA RELOCATED PIPING PLAN	100	A 	0 10/04/02		
M-211		UNIT NO. 2 - AMMONIA INJECTION AREA RELOCATED PIPING SECTIONS	100	A 	0 10/04/02		
M-212		UNIT NO. 2 - AMMONIA INJECTION AREA RELOCATED PIPING SECTIONS	100	A 	0 10/04/02		
M-300		AMMONIA SYSTEM PLOT PLAN	100	A 	0 10/04/02		
M-301		AMMONIA STOR. & UNLOADING PIPING PLAN	100	A 	0 10/04/02		
M-302		AMMONIA STOR. & UNLOADING PIPING SECTIONS & DETAILS	100	A 	0 10/04/02		
M-303		AMMONIA STOR. & UNLOADING PIPING PLAN & SECTIONS	100	A 	0 10/04/02		
M-403		UNITS NO. 1 & 2 - EAST S.C.R. INLET DUCT MODIFICATIONS	100	A 06/14/02	0 10/04/02		
M-404		UNITS NO. 1 & 2 - EAST S.C.R. INLET DUCT MODIFICATIONS	100	A 04/29/02	0 10/04/02		
M-405		UNITS NO. 1 & 2 - WEST S.C.R. INLET DUCT MODIFICATIONS	100	A 06/25/02	0 10/04/02		
M-406		UNITS NO. 1 & 2 - WEST S.C.R. INLET DUCT MODIFICATIONS	100	A 06/25/02	0 10/04/02		
M-407		UNITS NO. 1 & 2 S.C.R. EXPANSION JOINTS	100	A 06/24/02	B 10/04/02		
M-500		AMMONIA STORAGE VESSEL DATA SHEET	100	A 06/15/01	B 10/04/02		
M-501		PIPING DUMMY LEGS	100	A 	0 10/04/02		

URS

DRAWING REGISTER

JOB NO: 45267-012 PROJECT TITLE : ETIWANDA SCR FILE NAME: DRAWING REGISTER

CLIENT: RELIANT ENERGY DISCIPLINE : MECHANICAL, CIVIL/STRUCTURAL, ELECTRICAL, INSTRUMENTATION DATE: 10/08/02

URS DWG. NO.	CLIENT DWG. NO.	TITLE	% COMP.	REV. DATE	REV. DATE	REV. DATE	REV. DATE
M-502		DUMMY LEGS/BASES/HANGERS	100	A	0		
					10/04/02		
M-503		VENTS & DRAINS	100	A	0		
					10/04/02		
		CIVIL/STRUCTURAL					
C 001		TITLE SHEET DRAWING INDEX	100	0			
				10/04/02			
C 002		GENERAL NOTE SHEET	100	0			
				10/04/02			
C 101		NH3 UNLOADING, LOCATION PLAN	100	0			
				10/04/02			
C 102		NH3 UNLOADING, AMMONIA STORAGE CONTAINMENT AREA	100	0			
				10/04/02			
C103		NH3 UNLOADING, NEW AREA PAVING	100	0			
				10/04/02			
C 104		NH3 UNLOADING, TRUCK UNLOADING AREA	100	0			
				10/04/02			
C 105		NH3 UNLOADING, MISCELLANEOUS SECTIONS AND DETAILS	100	0			
				10/04/02			
C 106		NH3 UNLOADING, MISCELLANEOUS FOUNDATION DETAILS	100	0			
				10/04/02			
C 107		NH3 STORAGE AREA, STRUCTURAL STEEL PLAN AND SECTIONS	100	0			
				10/04/02			
C 108		NH3 STORAGE AREA, STRUCTURAL STEEL PLATFORM AND STEEL DETAILS	100	0			
				10/04/02			
C 201		NH3 INJECTION GRID PLATFORM, FOUNDATION PLAN SECTION AND DETAILS	100	0			
				10/04/02			
C 202		NH3 INJECTION GRID PLATFORM, STRUCTURAL STEEL PLAN, SECTIONS AND DETAILS	100	0			
				10/04/02			
C 203		NH3 INJECTION GRID PLATFORM, STRUCTURAL STEEL PLAN AND SECTIONS	100	0			
				10/04/02			
C 206		EXISTING DUCT MODIFICATIONS, TURNING VANE LOCATIONS - UNITS 1 & 2 EAST	100	0			
				10/04/02			

URS

DRAWING REGISTER

JOB NO: 45267-012 PROJECT TITLE : ETIWANDA SCR FILE NAME: DRAWING REGISTER

CLIENT: RELIANT ENERGY DISCIPLINE : MECHANICAL, CIVIL/STRUCTURAL, ELECTRICAL, INSTRUMENTATION DATE: 10/08/02

URS DWG. NO.	CLIENT DWG. NO.	TITLE	% COMP.	REV.	REV.	REV.	REV.
				DATE	DATE	DATE	DATE
C 207		EXISTING DUCT MODIFICATIONS, TURNING VANE LOCATIONS - UNITS 1 & 2 WEST	100	0			
				10/04/02			
C 210		SCR SUPPORT STEEL, LOCATION PLAN	100	0			
				10/04/02			
C 211		SCR SUPPORT STEEL, ELEVATION VIEWS	100	0			
				10/04/02			
C 212		SCR SUPPORT STEEL, SCR SLIDE PLATES AND GUIDE DETAILS	100	0			
				10/04/02			
C 213		SCR SUPPORT STEEL, PLATFORM MODIFICATION AT ELEVATION 41'-0"	100	0			
				10/04/02			
C 214		CABLE TRAY SUPPORT LOCATION AT ELEVATION 41'-0"	100	0			
				10/04/02			
C 215		CABLE TRAY SUPPORTS AND MISCELLANEOUS STEEL DETAILS	100	0			
				10/04/02			
C 301		SCR HOUSING, TOP/BOTTOM PLANS	100	0	1		
				06/20/02	10/04/02		
C 302		SCR HOUSING, LEFT/FRONT ELEVATIONS	100	0	1		
				06/20/02	10/04/02		
C 303		SCR HOUSING, RIGHT/BACK ELEVATIONS	100	0	1		
				06/20/02	10/04/02		
C 304		SCR HOUSING, CATALYST SUPPORT FRAMING	100	0	1		
				06/20/02	10/04/02		
C 305		SCR HOUSING, LATERAL CROSS SECTION SHEET 1	100	0	1		
				06/20/02	10/04/02		
C 306		SCR HOUSING, DETAILS SHEET 1	100	0	1		
				06/20/02	10/04/02		
C 307		SCR HOUSING, DETAILS SHEET 2	100	0	1		
				06/20/02	10/04/02		
C 308		SCR HOUSING, DETAILS SHEET 3	100	0	1		
				06/20/02	10/04/02		

URS

DRAWING REGISTER

JOB NO: 45267-012 PROJECT TITLE : ETIWANDA SCR FILE NAME: DRAWING REGISTER

CLIENT: RELIANT ENERGY DISCIPLINE : MECHANICAL, CIVIL/STRUCTURAL, ELECTRICAL, INSTRUMENTATION DATE: 10/08/02

URS DWG. NO.	CLIENT DWG. NO.	TITLE	% COMP.	REV. DATE	REV. DATE	REV. DATE	REV. DATE
		ELECTRICAL					
E-101		ELECTRICAL SYMBOLS, LEGEND AND GENERAL NOTES		0 10/04/02			
E-102		UNIT 1 AND UNIT 2 MCC-SCR ONE LINE DIAGRAM		0 10/04/02			
E-103		NOT USED					
E-104		CONTROL WIRING DIAGRAM INDEX					
E-105		CONTROL WIRING DIAGRAM LEGEND					
E-106		B-100A BLOWER CONTROL WIRING DIAGRAM					
E-107		B-100B BLOWER CONTROL WIRING DIAGRAM					
E-108		P-001A AQUEOUS AMMONIA PUMP CONTROL WIRING DIAGRAM					
E-109		P-001B AQUEOUS AMMONIA PUMP CONTROL WIRING DIAGRAM					
E-110		B-200A BLOWER CONTROL WIRING DIAGRAM					
E-111		B-200B BLOWER CONTROL WIRING DIAGRAM					
E-112		480V CIRCUIT BREAKER #303 SCHEMATIC DIAGRAM		0 10/04/02			
E-113		NOT USED					
E-114		GROUND LEVEL ELECTRICAL KEY PLAN		0 10/04/02			
E-115		ELECTRICAL ROOM POWER PLAN		0 10/04/02			
E-116		UNIT 1 POWER AND GROUNDING PLAN		0 10/04/02			

URS

DRAWING REGISTER

JOB NO: 45267-012 PROJECT TITLE : ETIWANDA SCR FILE NAME: DRAWING REGISTER

CLIENT: RELIANT ENERGY DISCIPLINE : MECHANICAL, CIVIL/STRUCTURAL, ELECTRICAL, INSTRUMENTATION DATE: 10/08/02

URS DWG. NO.	CLIENT DWG. NO.	TITLE	% COMP.	REV. DATE	REV. DATE	REV. DATE	REV. DATE
E-117		NOT USED					
E-118		LIGHTING PLANS EL 74'-6"		0 10/04/02			
E-119		UNIT 2 POWER AND GROUNDING PLAN		0 10/04/02			
E-120		NOT USED					
E-121		OPERATING LEVEL POWER PLAN		0 10/04/02			
E-122		AMMONIA STORAGE BELOW GRADE GROUNDING PLAN		0 10/04/02			
E-123		AMMONIA STORAGE POWER AND ABOVE GRADE GROUNDING PLAN		0 10/04/02			
E-124		NOT USED					
E-125		ELECTRICAL DETAILS SHEET 1		0 10/04/02			
E-126		ELECTRICAL DETAILS SHEET 2		0 10/04/02			
E-127		LP-SCR PANEL SCHEDULE		0 10/04/02			
		INSTRUMENTATION					
I-101		INSTRUMENT SYMBOLS, LEGEND AND GENERAL NOTES		0 10/04/02			
I-102		UNIT 1 INSTRUMENT BLOCK DIAGRAM		0 10/04/02			
I-103		UNIT 2 INSTRUMENT BLOCK DIAGRAM		0 10/04/02			
I-104		AMMONIA STORAGE INSTRUMENT BLOCK DIAGRAM		0 10/04/02			
I-105		GROUND LEVEL INSTRUMENT KEY PLAN		0 10/04/02			

URS

DRAWING REGISTER

JOB NO: 45267-012 PROJECT TITLE : ETIWANDA SCR FILE NAME: DRAWING REGISTER

CLIENT: RELIANT ENERGY DISCIPLINE : MECHANICAL, CIVIL/STRUCTURAL, ELECTRICAL, INSTRUMENTATION DATE: 10/08/02

URS DWG. NO.	CLIENT DWG. NO.	TITLE	% COMP.	REV.	REV.	REV.	REV.
				DATE	DATE	DATE	DATE
I-106		MEZZANINE LEVEL INSTRUMENT KEY PLAN		0 10/04/02			
I-107		OPERATING LEVEL INSTRUMENT KEY PLAN		0 10/04/02			
I-108		ELECTRICAL ROOM INSTRUMENT PLAN		0 10/04/02			
I-109		RELAY ROOM AND CONTROL ROOM INSTRUMENT PLANS		0 10/04/02			
I-110		UNIT 1 INSTRUMENT PLAN SHEET 1		0 10/04/02			
I-111		UNIT 1 INSTRUMENT PLAN SHEET 2		0 10/04/02			
I-112		UNIT 1 INSTRUMENT PLAN SHEET 3		0 10/04/02			
I-113		NOT USED					
I-114		UNIT 2 INSTRUMENT PLAN SHEET 1		0 10/04/02			
I-115		UNIT 2 INSTRUMENT PLAN SHEET 2		0 10/04/02			
I-116		UNIT 2 INSTRUMENT PLAN SHEET 3		0 10/04/02			
I-117		NOT USED					
I-118		AMMONIA STORAGE INSTRUMENT PLAN		0 10/04/02			
I-119		AMMONIA DETECTION WIRING DIAGRAM		0 10/04/02			
I-120		IJB-SCR1 WIRING DIAGRAM		0 10/04/02			
I-121		IJB-SCR2 WIRING DIAGRAM		0 10/04/02			
I-122		IJB-SCR1 AND IJB-SCR2 LAYOUT		0 10/04/02			
I-123		SECTIONS AND ELEVATIONS		0 10/04/02			

URS

DRAWING REGISTER

JOB NO: 45267-012
CLIENT: RELIANT ENERGY

PROJECT TITLE : ETIWANDA SCR
DISCIPLINE : MECHANICAL, CIVIL/STRUCTURAL, ELECTRICAL, INSTRUMENTATION

FILE NAME: DRAWING REGISTER
DATE: 10/08/02

URS DWG. NO.	CLIENT DWG. NO.	TITLE	% COMP.	REV. DATE	REV. DATE	REV. DATE	REV. DATE
I-124		NOT USED					
I-125		INSTRUMENT INSTALLATION DETAILS SHEET 1		0 10/04/02			
I-126		INSTRUMENT INSTALLATION DETAILS SHEET 2		0 10/04/02			
I-127		INSTRUMENT INSTALLATION DETAILS SHEET 3		0 10/04/02			

South Coast
Air Quality Management District
21865 E. Copley Drive, Diamond Bar, CA 91765-4182
(909) 396-2000 • http://www.aqmd.gov

RECEIVED
FEB 23 2001
COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS

February 22, 2001

Marilyn Kraft, MBA, REHS
Emergency Response and Enforcement
Hazardous Materials Division
County of San Bernardino Fire Department
385 North Arrowhead Avenue, Second Floor
San Bernardino, California 92415-0153

VIA FACSIMILE (909) 387-4323

Dear Ms. Kraft:

Proposed Reliant Energy Etiwanda Generating Station Selective Catalytic Reduction (SCR) Installation Project (SCH 2001021027)

Thank you for notifying the South Coast Air Quality Management District (AQMD) about your issuance of a notice of exemption for the above referenced project. Pursuant to the AQMD's review of California Environmental Quality Act (CEQA) applicability via our 400-CEQA form, it was determined a CEQA document is required before the issuance of AQMD's air quality permits. A Draft Mitigated Negative Declaration (MND) was released February 6, 2001 for a 20-day public review and comment period ending February 26, 2001.

A copy of the Draft MND has been enclosed. Please contact us if you care to have a copy of the Final MND upon certification. If you have any questions or need other information on the environmental analysis for this project, please call me at (909) 396-2706.

Sincerely,

Michael A. Krause
Air Quality Specialist
CEQA Section

Enclosure

(e:\ceqa\reliant\comm.doc)

COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO
ECONOMIC DEVELOPMENT
AND PUBLIC SERVICES GROUP

HAZARDOUS MATERIALS DIVISION
EMERGENCY RESPONSE/ENFORCEMENT
385 North Arrowhead Avenue, Second Floor • San Bernardino, CA 92415-0153
(909) 387-4631 • Fax (909) 387-4323

PETER R. HILLS
Fire Chief
County Fire Warden

FEBRUARY 21, 2001

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 E. COPLEY DR.
DIAMOND BAR, CA 91765-4182

ATTENTION: MR. MICHAEL KRAUSE, PLANNING/CEQA

SUBJECT FACILITY: RELIANT ENERGY ETIWANDA, LLC
LOCATION: ETIWANDA GENERATING STATION, 8996 ETIWANDA AVE, RANCHO CUCAMONGA

In response to a request from the project applicant, the San Bernardino County CUPA is notifying you of a notice of exemption issued to the above facility undergoing CEQA review. On January 24, 2001, the above facility was granted a conditional site-specific exemption (see attached letter) from the requirement to prepare a Risk Management Plan (RMP) for the covered process including two 10,000 gallon tanks of 19% aqueous ammonia for the SCR system at the above address.

Since the listing of aqueous ammonia on Table 3 of the Regulated substance list in the CalARP regulations, it has been the practice of this CUPA to individually evaluate facilities handling aqua ammonia at less than 20% concentration and to allow a request for exemption. The project applicant submitted such a request for exemption on January 8, 2001.

In the draft revised Table 3 distributed in 1998, and in more recent direct communications with the State Office of Emergency Services, it appears that the State has a clear intention of listing ammonia with a concentration qualifier of 20% or greater. Should that intention change, or should other conditions warrant, this CUPA reserves the right to require the preparation and implementation of a prevention program and submission of a RMP in accordance with the CalARP regulations.

If you should have any questions, please contact me.

MARILYN KRAFT, MBA, REHS
Emergency Response and Enforcement
mkraft@fire.co.san-bernardino.ca.us
Phone: (909) 387-4631 Fax: (909) 387-4342

WILLIAM H. RANDOLPH
County Administrative Officer
JOHN [illegible]
Assistant County Administrative Officer
Economic Development and Public Services Group

Board of Supervisers
KATHY A. DAVIS ..... First District
JON D. MIKELS ..... Second District
JERRY EAVES ..... Fifth District
DENNIS HANSBERGER ..... Third District
FRED AGUIAR ..... Fourth District

FEB.21.2001 12:12 SBCO HAZ MAT #2118 P.002/003

Chrono

COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO
ECONOMIC DEVELOPMENT
AND PUBLIC SERVICES GROUP

HAZARDOUS MATERIALS DIVISION
EMERGENCY RESPONSE/ENFORCEMENT
385 North Arrowhead Avenue, Second Floor • San Bernardino, CA 92415-0153
(909) 387-4631 • Fax (909) 387-4323

PETER R. HILLS
Fire Chief
County Fire Warden

JANUARY 24, 2001

RELIANT ENERGY ETIWANDA, L.L.C.
8996 ETIWANDA AVE.
RANCHO CUCAMONGA, CA 91739
ATTENTION: PAUL LACROIX, SAFETY AND ENVIRONMENTAL SPECIALIST

SUBJECT: CALARP DETERMINATION OF EXEMPTION - AQUA AMMONIA FOR SCRs ON UNITS 3 & 4

FACILITY: ETIWANDA GENERATING STN, 8996 ETIWANDA AVE, RANCHO CUCAMONGA

This letter is in response to your letter received January 8, 2001, requesting an exemption for 20,000 gallons of 19% aqueous ammonia to be used in SCR systems at the Etiwanda Generating Station. Based on the information submitted with your request, it has been determined that Reliant Energy Etiwanda will not be required to prepare a Risk Management Program (RMP) for this process at this time. Please note that if aqua ammonia at this concentration remains a regulated substance in California, an RMP may be required in the future if conditions indicate that its use poses a regulated substance accident risk.

This notice satisfies the requirement of CA Health & Safety Code Section 25534.2 and Government Code 65850.2, for the owner or operator of a stationary source handling regulated substances to obtain from the administering agency, a notice of requirement to comply with, or determination of exemption from, the requirement for a RMP prior to the approval of a development project or issuance of a building permit.

General Duty Clause (fact sheet enclosed)
Please note that while the stationary source is not required to prepare an RMP at this time, that it does have a general duty under Section 112(r) of the federal Clean Air Act Amendments to prevent and mitigate the consequences of releases of extremely hazardous substances. Note that extremely hazardous substances in this case are not limited to any particular list. The general duty clause requires owners and operators of stationary sources to:

- Identify hazards which may result from releases using appropriate hazard assessment techniques;
- Design and maintain a safe facility taking such steps as are necessary to prevent releases; and
- Minimize the consequences of accidental releases that do occur.

Therefore, any process safety information and procedures should be thoroughly documented.

Business Emergency/Contingency Plan (guidelines and example enclosed)
Changes in inventory require updating of the business emergency/contingency plan within 30 days of the change. Coming up also is the March 1, 2001 annual deadline for filing a complete business plan inventory. Please include a CalARP registration form (enclosed). Enclosed also is a summary of the release reporting requirements. Since startup can be an accident-prone stage in the life cycle of a process, please familiarize employees and contractors with the release reporting requirments and verify that facility emergency procedures are consistent with them.

If you have any questions, please contact me at (909) 387-4631.

Marilyn Kraft

MARILYN KRAFT, MBA, REHS
Emergency Response and Enforcement

WILLIAM H. RANDOLER
Assistant County Administrator
Economic Development and
Public Services Group

Enc.

Board of Supervisors
DENNIS HANSBERGER ..... First District
JON D. MIKELS ..... Second District
JERRY EAVES ..... Fifth District
PAUL BIANE ..... Third District
FRED AGUIAR ..... Fourth District

FEB.21'2001 12:13 SBCO HAZ MAT #2118 P.003/003

South Coast
Air Quality Management District
21865 E. Copley Drive, Diamond Bar, CA 91765-4182
(909) 396-2000 • http://www.aqmd.gov

SUBJECT: **NOTICE OF INTENT TO ADOPT A MITIGATED NEGATIVE DECLARATION (MND)**

PROJECT TITLE: **RELIANT ENERGY ETIWANDA GENERATING STATION SELECTIVE CATALYTIC REDUCTION (SCR) INSTALLATION PROJECT**

In accordance with the California Environmental Quality Act (CEQA), the South Coast Air Quality Management District (SCAQMD) is the Lead Agency and has prepared a Draft Mitigated Negative Declaration (MND) for the project identified above. The purpose of this letter, the Notice of Intent (NOI) and the attached Draft MND is to allow public agencies and the public the opportunity to review and comment on the environmental analysis contained in the Draft MND.

This letter, the NOI and the attached Draft MND are not SCAQMD applications or forms requiring a response from you. Their purpose is simply to provide information to you on the above project. If the proposed project has no bearing on you or your organization, no action on your part is necessary.

Comments focusing on issues relative to the environmental analysis for the proposed project should be addressed to Mr. Michael Krause (c/o Planning/CEQA) at the address shown above, sent by FAX to (909) 396-3324 or e-mailed to mkrause@aqmd.gov. Comments must be received no later than 5:00 p.m. on Monday, February 26, 2001. If submitting comments, please include your name and phone number.

Project Applicant: Reliant Energy Etiwanda, LLC

Date: 2/2/01

Signature Michael Krause
for Steve Smith, Ph.D.

Title: Program Supervisor

Telephone: (909) 396-3054

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 E. Copley Drive, Diamond Bar, California 91765-4182

NOTICE OF INTENT TO ADOPT A DRAFT MITIGATED NEGATIVE DECLARATION

Project Title:
Reliant Energy Etiwanda Selective Catalytic Reduction (SCR) Installation Project

---

Project Location:
The Reliant Etiwanda Generating Station is located at 8996 Etiwanda Avenue, Rancho Cucamonga, California in San Bernardino County.

Description of Nature, Purpose, and Beneficiaries of Project:
Reliant Energy is proposing to install SCR in two of their existing boiler exhaust units (Units 3 & 4); install two 10,000-gallon aboveground aqueous ammonia (19 percent concentration) storage tanks; and construct a containment wall around both ammonia tanks. SCR would be used to reduce nitrogen oxide (NO_X) emissions as part of Reliant's plan to meet declining facilitywide NOx emission limits required by South Coast Air Quality Management District's (SCAQMD) Regional Clean Air Incentives Market (RECLAIM) Program.

Lead Agency:
South Coast Air Quality Management District

Division:
Planning - CEQA

Draft MND and Supporting Documentation are Available at:

SCAQMD Headquarters
21865 E. Copley Drive
Diamond Bar, CA 91765

or by calling:
(909) 396-2039

or by accessing:
http://aqmd.gov/ceqa/nonaqmd.html

Review Period:
February 6, 2001 through February 26, 2001

CEQA Contact Person:
Michael Krause

Phone Number:
(909) 396-2706

DABWORD:2021NOC

RECEIVED
FEB 23 2001
COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS

MITIGATED NEGATIVE DECLARATION
RELIANT ENERGY ETIWANDA GENERATING STATION SELECTIVE CATALYTIC REDUCTION (SCR) INSTALLATION PROJECT

Prepared for:

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
Diamond Bar, CA

Prepared by:

ENTRIX, INC.
Ventura, CA

February, 2001

Page

List of Figures vi

1.0 Regulatory Framework and Project Description 1

1.1 Regulatory Background 1

1.2 Agency Authority 1

1.3 Project Location 2

1.4 Existing Generating Station Configuration and Operation 2

1.5 Project Description 2

1.5.1 Selective Catalytic Reduction System 2

1.5.2 Aqueous Ammonia Use and Storage 3

1.5.3 Aqueous Ammonia Transportation 3

1.5.4 Construction 3

1.5.5 Operation 4

2.0 Environmental Checklist Form 5

2.1 Environmental Checklist Form 5

2.2 Background 5

2.3 Environmental Factors Potentially Affected: 7

2.4 Determination 8

3.0 Discussion of Environmental Checklist 13

3.1 Land Use and Planning 13

3.1.1 Environmental Setting 13

3.1.2 Environmental Impacts 15

3.1.3 Mitigation Measures 15

3.2 Population and Housing 16
3.2.1 Environmental Setting 16
3.2.2 Environmental Impacts 16
3.2.3 Mitigation Measures 17
3.3 Geology and Soils 18
3.3.1 Environmental Setting 18
3.3.1.1 Geological Overview 18
3.3.1.2 Seismicity Overview 19
3.3.1.3 Soils Overview 20
3.3.2 Environmental Impacts 20
3.3.2.1 Earthquakes 20
3.3.2.2 Liquification 21
3.3.2.3 Erosion 21
3.3.3 Mitigation Measures 21
3.4 Hydrology and Water Quality 22
3.4.1 Environmental Setting 23
3.4.1.1 Existing Water Resources 23
3.4.1.2 Current Water Uses 24
3.4.1.3 Wastewater Discharge Permit 24
3.4.1.4 Stormwater Discharges 24
3.4.2 Environmental Impacts 25
3.4.3 Mitigation Measures 26
3.5 Air Quality 27
3.5.1 Environmental Setting 27
3.5.1.1 Regional Climate 29

3.5.1.2 Ambient Air Quality Standards....30
3.5.1.3 Project Location Air Quality....32
3.5.2 Environmental Impacts....33
3.5.2.1 Construction Emissions....33
3.5.2.2 Operational Emissions....37
3.6 Transportation/Traffic....42
3.6.1 Environmental Setting....42
3.6.2 Environmental Impacts....43
3.6.2.1 Construction....43
3.6.2.2 Operation....44
3.6.3 Mitigation Measures....44
3.7 Biological Resources....45
3.7.1 Environmental Setting....45
3.7.2 Environmental impacts....47
3.7.3 Mitigation Measures....47
3.8 Energy & Mineral Resources....48
3.8.1 Environmental Setting....48
3.8.2 Environmental Impacts....48
3.8.3 Mitigation Measures....48
3.9 Hazards and Hazardous Materials....49
3.9.1 Environmental Setting....50
3.9.2 Environmental Impacts....50
3.9.2.1 Hazard Analysis....51
3.9.2.2 Transportation Release Scenario....51
3.9.2.3 Ammonia Transfer Release Scenario....52

3.9.2.4 Ammonia Tank Rupture (Onsite) Scenario 53
3.9.3 Mitigation Measures 54
3.10 Noise 56
3.10.1 Environmental Setting 56
3.10.2 Environmental Impacts 57
3.10.2.1 Construction 57
3.10.2.2 Operation 57
3.10.3 Mitigation Measures 58
3.11 Public Services 59
3.11.1 Environmental Setting 59
3.11.2 Environmental Impacts 60
3.11.2.1 Construction 60
3.11.2.2 Operation 60
3.11.3 Mitigation Measures 60
3.12 Solid & Hazardous Wastes 61
3.12.1 Environmental Setting 61
3.12.2 Environmental Impacts 61
3.12.3 Mitigation Measures 62
3.13 Aesthetics 63
3.13.1 Environmental Setting 63
3.13.1.1 Visual Sensitivity and Key Observation Points 63
3.13.2 Environmental Impacts 64
3.13.3 Mitigation Measures 64
3.14 Cultural Resources 65
3.14.1 Environmental Setting 65

3.14.2 Environmental Impacts 67
3.14.3 Mitigation Measures 67
3.15 Recreation 68
3.15.1 Environmental Setting 68
3.15.2 Environmental Impacts 69
3.15.3 Mitigation Measures 69
3.16 Mandatory Findings of Significance 70
4.0 Persons Contacted/References/Literature Cited 72

Appendix A - Photographs of Proposed Project and Surrounding Land Use

Appendix B – Hazard Index Calculations

List of Figures

Page

Figure 1. Regional Location Map 9

Figure 2. Project Location Map 10

Figure 3. Etiwanda Generating Station Site Plan 11

Figure 4. Rancho Cucamonga Zoning Map 12

Figure 5. Air Basin Map 28

Figure 6. Zones of Impact for Modeled Releases 55

1.1 REGULATORY BACKGROUND

Regulation XX – Regional Clean Air Incentives Market (RECLAIM) is an alternative regulatory program designed and adopted by the South Coast Air Quality Management District (SCAQMD) to reduce oxides of nitrogen (NO_x) and sulfur dioxides (SO_x) emissions from stationary sources in the South Coast Air Basin (Basin) while lowering the cost of attaining clean air through the use of market incentives. The goals of RECLAIM are to give affected facilities added flexibility in meeting their emission reduction requirements, to lower the cost of compliance, and to assist the SCAQMD's efforts to attain and maintain state and federal ambient air quality standards. RECLAIM prescribes only total facility emissions goals, and facility operators are free to choose control strategies that work best for their facility. The emission reduction goals are established in the form of a declining annual allocation. Facilities comply with RECLAIM by installing control equipment that limits their annual NO_x or SO_x emissions to below or at their annual allocations or purchase additional RECLAIM Trading Credits (RTCs) to account for any exceedances above their annual allocations.

Reliant Energy Etiwanda, LLC (Reliant) is proposing to install Selective Catalytic Reduction (SCR) systems on existing Boiler Units No. 3 and No. 4 at the Etiwanda Generating Station. SCR will be used to reduce NO_x emissions as part of their plan to meet the declining facility-wide NO_x emission limits required by SCAQMD RECLAIM Program. It is envisioned that the proposed project, consistent with the intent of RECLAIM, will achieve an overall decrease in NO_x emissions from this facility. For a complete description of the proposed project and the anticipated activities, please refer to the Project Description below.

1.2 AGENCY AUTHORITY

The California Environmental Quality Act (CEQA) applies to "projects" proposed to be undertaken or requiring approval by State and local government agencies. The proposed installation of the SCR System at the Etiwanda Generating Station constitutes a "project" as defined by CEQA. However, where a project requires approvals from more than one public agency, CEQA requires one of these public agencies to serve as the "lead agency".

The lead agency is the public agency that has the principal responsibility for carrying out or approving a project that may have a significant effect upon the environment (Public Resources Code § 21067). Since the proposed project requires discretionary approval from the SCAQMD, it was determined that the SCAQMD would be the most appropriate public agency to act as lead agency (CEQA Guidelines § 15051(b)).

To fulfill the purpose and intent of CEQA, the SCAQMD has prepared this Mitigated Negative Declaration (MND) to address the potential environmental impacts associated with the Reliant Energy Etiwanda SCR Installation project. A MND for a project subject to CEQA is prepared when an analysis of the project identifies potentially significant effects, but revisions in the

project plans or proposals made by, or agreed to by the applicant would avoid the effects or mitigate the effects to a point where clearly no significant effects would occur (CEQA Guidelines § 15070 (b)).

1.3 PROJECT LOCATION

The proposed project would be constructed at the Reliant Energy Etiwanda Generating Station. The Etiwanda Generating Station facility is located at 8996 Etiwanda Avenue in Rancho Cucamonga, California just east of Interstate 15 and north of the San Bernardino Freeway, Interstate 10. (See Figure 1 - Regional Location Map, and Figure 2 – Location Map at the end of Section 2.0.) Currently, Reliant contracts the operation and maintenance of the facility to Edison O & M (Operation & Maintenance) Services.

The Etiwanda Generating Station is bounded by the Santa Fe railroad to the north, Etiwanda Avenue to the east, San Bernardino Avenue to the south, and the Ontario freeway (Route 15) to the west. Within the City of Rancho Cucamonga there are residential areas, a power generation station (Reliant Energy Etiwanda Generating Station), and general and heavy industry.

The population of Rancho Cucamonga is approximately 125,600 and is distributed throughout 37.7 square miles. The terrain is generally flat. The City of San Bernardino is approximately 8 miles to the east. The Etiwanda Generating Station occupies about 64 acres and is surrounded by industrial land uses. Specific land uses surrounding the facility are shown in Figure 4 - Zoning Map, located at the end of Section 2.0.

1.4 EXISTING GENERATING STATION CONFIGURATION AND OPERATION

The Etiwanda Generating Station receives pipeline grade natural gas from Southern California Gas Company to generate electricity. There are four utility boilers (Units No. 1 through 4) and one peaking turbine (Unit No. 5), all of which are in service. Units No. 1 and No. 2 began operating in 1953 and are nominally rated at 132 Megawatt (MW) (maximum)/10 MW (minimum). Units No. 3 and No. 4 began operating in 1963 and are nominally rated at 320 MW (maximum)/20 MW (minimum). Unit No. 5 is nominally rated at 126 MW (continuous). With all units in operation, the station has a maximum summer dependable output of 1,030 MW and a maximum winter dependable output of 1,046 MW. The Etiwanda Generating Station Site Plan is shown in Figure 3, located at the end of Section 2.0.

1.5 PROJECT DESCRIPTION

1.5.1 SELECTIVE CATALYTIC REDUCTION SYSTEM

As part of the combustion process, NO_x is produced and emitted to the atmosphere with the other flue gas constituents (mostly nitrogen, carbon dioxide, and water vapor). The proposed SCR system is an air pollution control technology that reduces NO_x in boiler flue gas by combining ammonia and oxygen with NO_x in the presence of a catalyst to form nitrogen molecules (N_2) and

water vapor. Ammonia is diluted with air and injected into the boiler flue gas stream through a matrix of nozzles.

In an effort to accommodate space limitations and reduce or eliminate impacts to the environment, the proposed project would consist of an "in-duct" SCR retrofit. For this design, the catalyst reactor is inserted into the existing ductwork. A conventional SCR system requires installation of a booster fan to maintain the exhaust gas velocity because the catalyst can act as a barrier and thereby impede flue gas flow. The in-duct catalyst is designed so that a booster fan is not required to push the flue gas past the catalyst.

Two SCR reactor assemblies are proposed per boiler between the boiler exit and air heaters. The SCR utilizes vanadium pentoxide catalyst modules designed for a minimum operating life of four years, cooling dilution air blowers, and an aqueous ammonia metering and injection grid. The blowers will help cool the exhaust to below 800 °F (design) and carry ammonia into the system. All new equipment will be located within the existing fenceline of the Etiwanda Generating Station. As mentioned above, the SCR reactor units will be encased in the boiler duct works and would not be visible from off-site. All other new components will be installed close to the boiler structure and would not be visible off-site.

1.5.2 Aqueous Ammonia Use and Storage

Aqueous ammonia will be stored adjacent to the SCR system in two 10,000-gallon stainless steel single-walled aboveground storage tanks. Two existing urea tanks will be removed and two new cylindrical tanks will be installed for aqueous ammonia storage. The ammonia system is designed and sized based on the use of 19 percent ammonia and a storage capacity of two weeks at 50 percent capacity for both boilers. A containment dike will be built around both ammonia storage tanks and has been designed to contain 110 percent of the volume of one tank in the event of an accidental release. A containment area to be used during the unloading ammonia of from the tanker truck to the aboveground tank will be built to contain the entire capacity of a 6,000-gallon tanker truck in the event of an accidental release during transfer of ammonia.

1.5.3 Aqueous Ammonia Transportation

Aqueous ammonia (19 percent concentration) will be transported to the facility via a 6,000-gallon tanker truck by way of an approved route, established prior to the first ammonia shipment to the facility. Based on the ammonia tank storage capacity and estimated use of aqueous ammonia, six to eight tanker truck trips of ammonia from the supplier to the facility will be required per month.

1.5.4 Construction

Construction is scheduled to begin when all permits and approvals are obtained (estimated to be March, 2001). Construction will begin on Unit 3 while the system is shutdown for planned major maintenance activities. Once Unit 3 is complete, construction will begin on Unit 4. The construction period is estimated at four months. Construction activities are projected to include usage of vehicles to transport and position equipment for the project. Construction activities are

anticipated to take place five days per week, Monday through Friday, from 6:00 a.m. to 5:00 p.m. However, night and/or weekend shifts may be required to maintain the construction schedule. Construction workers will average 15 – 20 workers per day.

1.5.5 Operation

The proposed project would require no additional workers for operations. The project would operate whenever Units 3 & 4 generate electric power, up to 24 hours per day for 365 days per year.

2.1 ENVIRONMENTAL CHECKLIST FORM

The environmental checklist provides a standard evaluation tool to identify a project's adverse environmental impacts. This checklist identifies and evaluated potential adverse environmental impacts that may be created by the proposed project.

2.2 BACKGROUND

1. Project Title:	**Reliant Energy Etiwanda Selective Catalytic Reduction (SCR) Installation Project**
2. Lead Agency Name & Address:	**South Coast Air Quality Management District** **21865 E. Copley Drive** **Diamond Bar, CA 91765**
3. Contact Person & Phone Number:	**Mike Krause** **(909) 396-2706**
4. Project Location:	**8996 Etiwanda Avenue** **Rancho Cucamonga, CA**
5. Project Sponsor's Name & Address:	**Reliant Energy Etiwanda, LLC** **8996 Etiwanda Avenue** **Rancho Cucamonga, California**

8. General Plan Designation: **Industrial Area Specific Plan** 7. Zoning: **Heavy Industrial**

9. Description of Project: (Describe the whole action involved, including but not limited to later phases of the project, and any secondary, support or off-site features necessary for its implementation. Attach additional sheets if necessary).

Reliant Energy is proposing to install SCR in two of their existing boiler exhaust units (Units 3 & 4); install two 10,000-gallon aboveground aqueous ammonia (19 percent concentration) storage tanks; and construct a containment wall around both ammonia tanks. SCR would be used to reduce nitrogen oxide (NO_X) emissions as part of Reliant's plan to meet declining facilitywide NO_x emission limits required by

South Coast Air Quality Management District's (SCAQMD) Regional Clean Air Incentives Market (RECLAIM) Program.

10. Surrounding Land Uses and Setting: (Briefly describe the project's surroundings).

The generating station is located in the southeast portion of the City of Rancho Cucamonga, in an area characterized primarily by industrial uses. The site falls within the city's Industrial Area Specific Plan area. Immediately north of the generating station is the Santa Fe Railroad line. A metal manufacturing facility occupies the area directly north of the railroad line. Properties east and south of the station across Etiwanda Avenue and Sixth Street, respectively, are primarily industrial in nature, with some undeveloped areas to the east and some commercial uses mixed in with the industrial uses to the south. The Inland Empires Utilities Wastewater Treatment Plant (Regional Treatment Plant No. 2) lies across Sixth Street from the southeast corner of the generating station. Lands west of the Etiwanda facility are devoted to agricultural uses.

11. Other public agencies whose approval is required (e.g., permits, financing approval, or participation agreement).

The proposed project will require Permits to Construct/Operate from the SCAQMD and require building permits from the City of Rancho Cucamonga.

2.3 ENVIRONMENTAL FACTORS POTENTIALLY AFFECTED:

The following environmental impact areas have been assessed to determine their potential to be affected by the proposed project. As indicated by the checklist on the following pages, environmental topics marked with an "*x*" may be adversely affected by the proposed project. An explanation relative to the determination of impacts can be found following the checklist for each environmental topic.

__ Land Use and Planning	__ Population/Housing	__ Geology and Soils
__ Hydrology and Water Quality	__ Air Quality	__ Transportation/Traffic
__ Biological Resources	__ Energy & Mineral Resources	*x* Hazards
__ Noise	__ Public Services	__ Solid/Hazardous Waste
__ Aesthetics	__ Recreation	__ Cultural Resources

x Mandatory Findings of Significance

2.4 DETERMINATION

(To be completed by the Lead Agency)

On the basis of this initial evaluation:

I find that the proposed project COULD NOT have a significant effect on the environment, and a NEGATIVE DECLARATION will be prepared. ..... [ ]

I find that although the proposed project could have a significant effect on the environment, there will not be a significant effect in this case because revisions in the project have been made by or agreed to by the project proponent. A MITIGATED NEGATIVE DECLARATION will be prepared..... [X]

I find that the proposed project MAY have a significant effect on the environment, and an ENVIRONMENTAL IMPACT REPORT is required. ..... [ ]

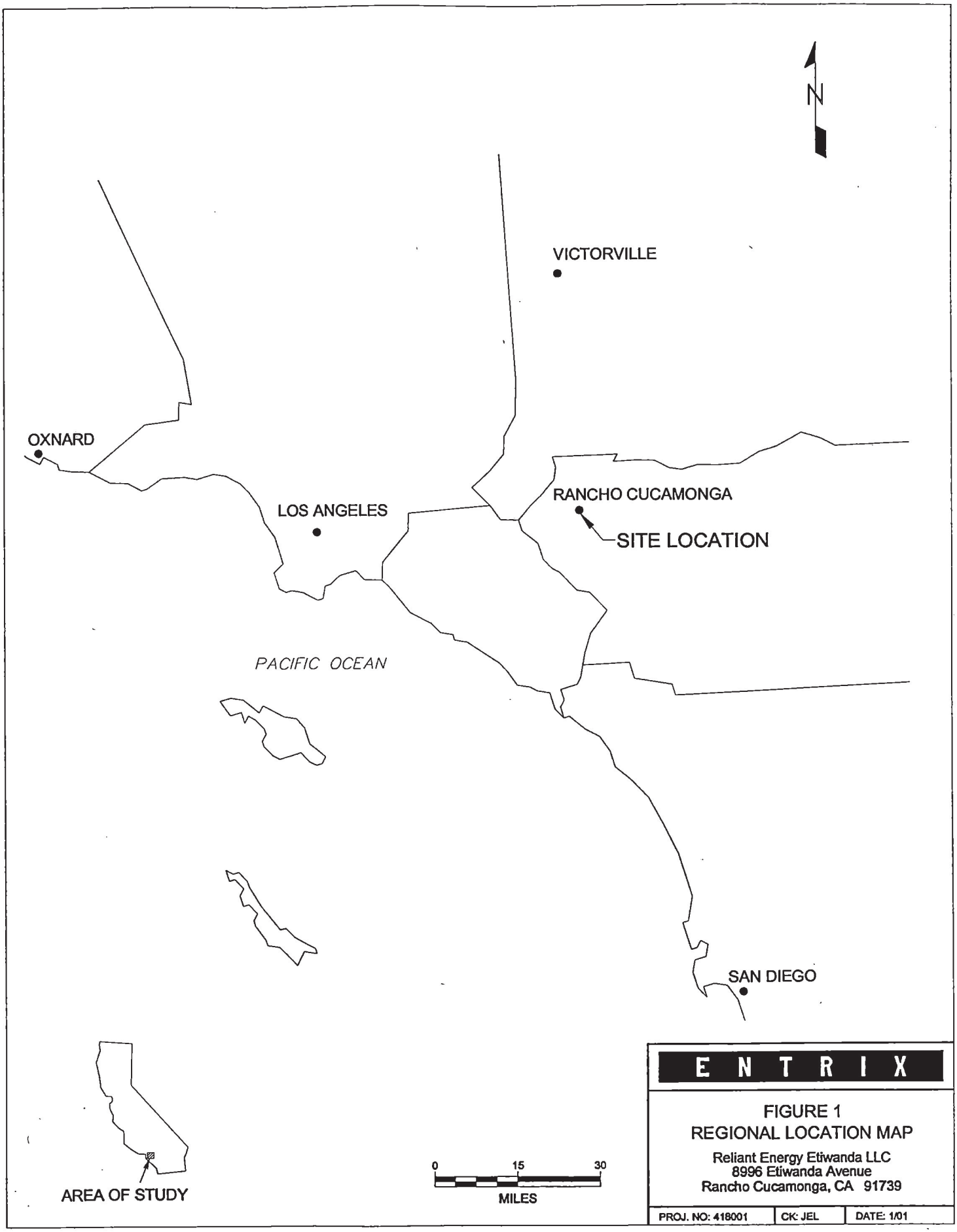
I find that the proposed project MAY have a significant effect(s) on the environment, but at least one effect 1) has been adequately analyzed in an earlier document pursuant to applicable legal standards, and 2) has been addressed by mitigation measures based on the earlier analysis as described on attached sheets, if the effect is a "potentially significant impact" or "potentially significant unless mitigated". An ENVIRONMENTAL IMPACT REPORT is required, but it must analyze only the effects that remain to be addressed. ..... [ ]

I find that although the proposed project could have a significant effect on the environment,there WILL NOT be a significant effect in this case because all potentially significant effects (a) have been analyzed adequately in an earlier EIR pursuant to applicable standards and (b) havebeen avoided or mitigated pursuant to that earlier EIR, including revisions or mitigation measures that are imposed upon the proposed project. ..... [ ]

Michael Krause — 2/2/01

Signature — Date

Michael Krause
Air Quality Specialist
CEQA Section
South Coast Air Quality Management District

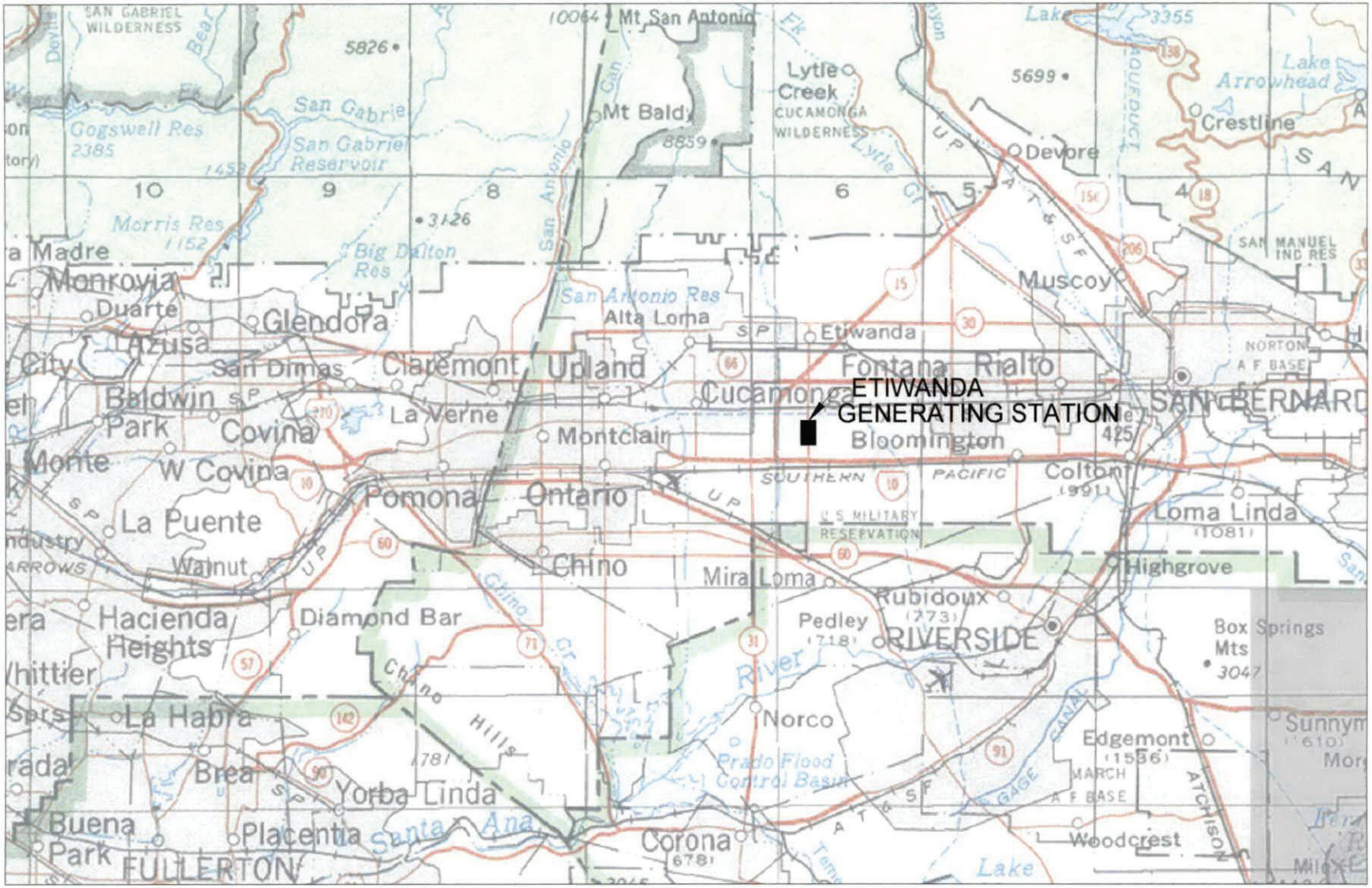


ENTRIX

FIGURE 1
REGIONAL LOCATION MAP

Reliant Energy Etiwanda LLC
8996 Etiwanda Avenue
Rancho Cucamonga, CA 91739

PROJ. NO: 418001	CK: JEL	DATE: 1/01



ENTRIX

FIGURE 2
LOCATION MAP

Reliant Energy Etiwanda LLC
8996 Etiwanda Avenue
Rancho Cucamonga, CA 91739

PROJ. NO: 418001	CK: JEL	DATE: 1/01

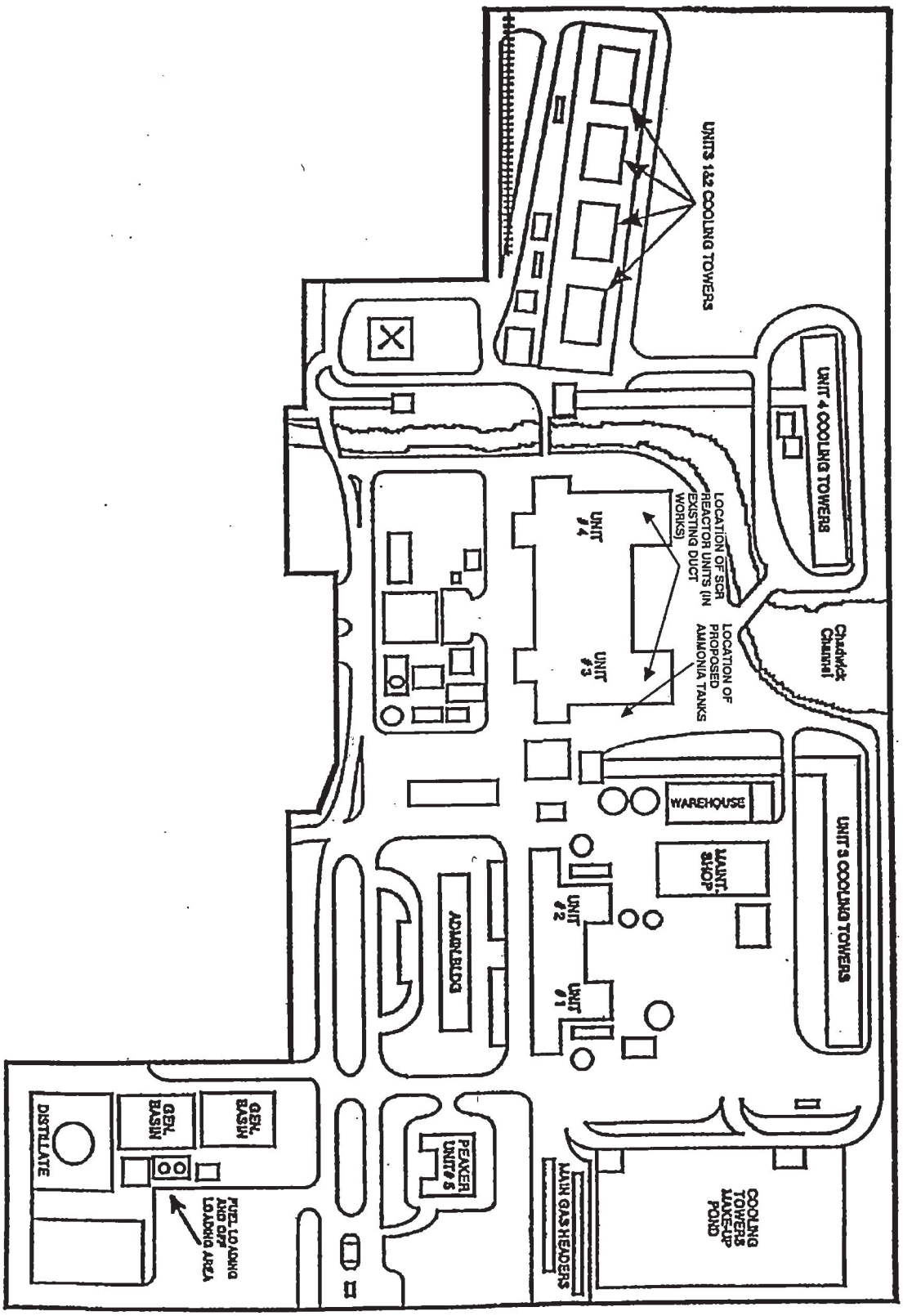


Figure 3. Etiwanda Generating Station Site Plan

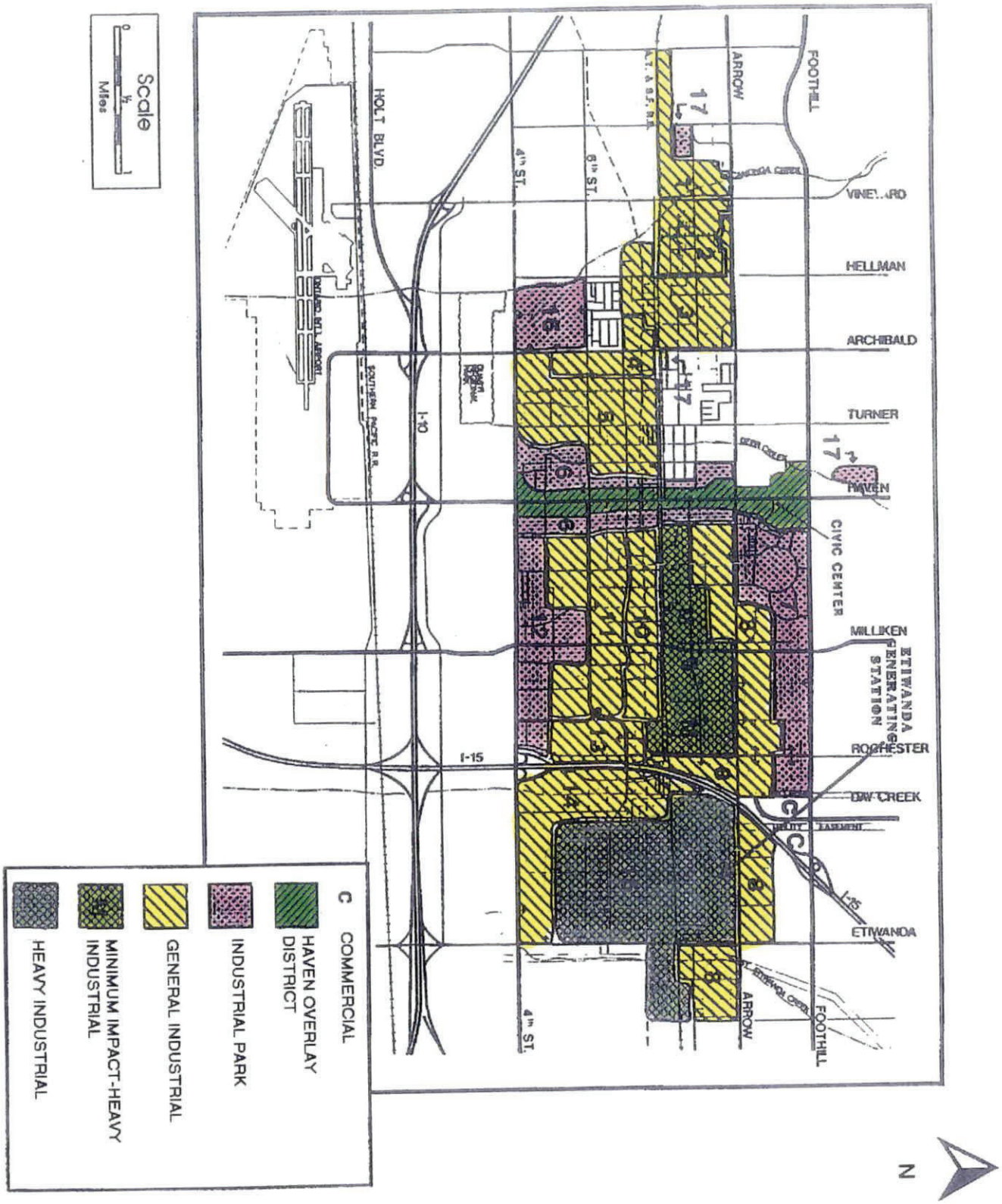


Figure 4. Rancho Cucamonga Zoning Map

3.1 LAND USE AND PLANNING

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
Would the project:				
a) Physically divide an established community?	☐	☐	☐	☒
b) Conflict with applicable environmental plan, policy, or regulation of an agency with jurisdiction over the project (including, but not limited to the general plan, specific plan, local coastal program, or zoning ordinance) adopted for the purpose of avoiding or mitigating an environmental effect?	☐	☐	☐	☒
c) Conflict with any applicable habitat conservation plan or natural community conservation plan?	☐	☐	☐	☒

3.1.1 ENVIRONMENTAL SETTING

The City of Rancho Cucamonga, in which the Etiwanda Generating Station is located, is situated in the southwestern corner of San Bernardino County, toward the east of the greater Los Angeles metropolitan region. The city lies on an expansive alluvial fan deposit at the base of the San Gabriel Mountains, which rise precipitously to the north to over 10,000 feet in elevation. To the west and south are the Cities of Upland and Ontario and adjoining municipalities of eastern Los Angeles County. To the east are the Cities of Fontana, Rialto, and Colton. Fontana is predominantly industrial near the generating station. To the south are Ontario International Airport, Ontario, and Riverside County. San Bernardino National Forest and the San Gabriel Mountains form the northern boundary of the city. The Etiwanda Generating Station is located on a 64-acre site within the city of Rancho Cucamonga, in the West Valley region of San Bernardino County.

The generating station is located in the southeast portion of the City of Rancho Cucamonga, in an area characterized primarily by industrial uses. The site falls within the city's Industrial Area Specific Plan area. Immediately north of the generating station is the AT&SF Railroad line. A metal manufacturing facility occupies the area directly north of the railroad line. Properties east and south of the station across Etiwanda Avenue and Sixth Street, respectively, are primarily industrial in nature, with some undeveloped areas to the east and some commercial uses mixed in with the industrial uses

to the south. The Inland Empires Utilities Wastewater Treatment Plant (Regional Treatment Plant No. 2) lies across Sixth Street from the southeast corner of the generating station. Lands west of the Etiwanda facility are devoted to agricultural uses.

The project site and surrounding area fall under the jurisdiction of a variety of local plans, including the City of Rancho Cucamonga General Plan and the Industrial Area Specific Plan. The Industrial Area Specific Plan contains no applicable goals or policies; however, relevant objectives from the Rancho Cucamonga General Plan are outlined below.

The City of Rancho Cucamonga General Plan objectives for the land use and development elements are:

A. Promote land use patterns, which make sustainable use of the land, plant and animal, water, energy, and air resources available to the City both within and outside its boundaries.

B. Encourage opportunities to mix different, but compatible, land uses and activities.

C. Organize land use to avoid creating nuisances among adjacent land uses.

D. Coordinate industrial development to encourage an integrated industrial area with maximum flexibility and access to the regional circulation network. (City of Rancho Cucamonga 1981).

Existing and future land uses on and around the generating station site are guided by land use designations specified in the City of Rancho Cucamonga General Plan and Industrial Area Specific Plan and zoning designations found in the City's zoning ordinance. Heavy Industrial land use designations, as defined in the general plan and Industrial Area Specific Plan, apply to the generating station site and adjacent areas. The Heavy Industrial designation typically accommodates, but is not limited to, vehicular assembly plants, power plants, concrete product manufacturers and batch plants (City of Rancho Cucamonga 1986). The City of Rancho Cucamonga has assigned a zoning designation of Heavy Industrial to the Etiwanda Generating Station property.

Prior to incorporation of the City, the facility property was subject to the jurisdiction of San Bernardino County. On November 10, 1950, a "permit" was granted to Edison (prior owner) by the San Bernardino County Board of Supervisors. It is unclear whether this permit constitutes the conditional use permit currently required in the County of San Bernardino for establishment of this use. The permit was for the "erection, construction, operation, maintenance, occupancy and use" of the property for a steam electric generating station, with switchyard and appurtenant facilities.

3.1.2 Environmental Impacts

The proposed project will be located within the boundaries of an existing facility. The new equipment and minor modifications to existing equipment are consistent with the existing land used in the vicinity of the Etiwanda Generating Station, which are for the most part highly industrialized areas. The components of the project are consistent with the zoning in the area, which is heavy industrial. The project is not expected to conflict with a habitat conservation or natural community conservation plan or divide an established community. Based on these considerations, no significant impacts to land use are expected.

3.1.3 Mitigation Measures

No mitigation measures are required for the construction/operation of the proposed project since no significant impacts to land use are expected.

3.2 POPULATION AND HOUSING

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
Would the proposal:				
a) Induce substantial population growth in an area, either directly (for example, by proposing new homes and businesses) or indirectly (for example, through extension of roads or other infrastructure)?	☐	☐	☐	☒
b) Displace substantial numbers of existing housing, necessitating he construction of replacement housing elsewhere?	☐	☐	☐	☒
c) Displace substantial numbers of people, necessitating the construction of replacement housing elsewhere?	☐	☐	☐	☒

3.2.1 ENVIRONMENTAL SETTING

The Etiwanda Generating Station is located in the City of Rancho Cucamonga, in San Bernardino County. The estimated population of Rancho Cucamonga for 2000 is 125,585. The existing housing stock in Rancho Cucamonga as of January, 2000 was 42,065 units, with a vacancy rate of 7.46 percent. Population per household in Rancho Cucamonga at this time was 3.162.

3.2.2 ENVIRONMENTAL IMPACTS

CEQA guidelines suggest that a project would have a significant environmental effect due to population and housing changes if a project would: (1) induce substantial growth in an area; (2) displace a substantial number of housing units; or (3) displace a substantial number of people.

Construction activities for the proposed project would not involve the relocation of individuals, impact housing or commercial facilities, nor change the distribution of the population because the proposed project would occur within an existing industrial facility site. The construction work force, which is temporary, is expected to come from the existing labor pool in the local and surrounding communities. Additionally, the project operation would not require any new permanent employees. Since all potential impacts would occur at an existing industrial facility, displacement of housing of any type is not anticipated, Therefore, construction and operation of the proposed project is not expected to have a significant impact on population or housing.

3.2.3 MITIGATION MEASURES

No mitigation measures are required for the construction/operation of the project since no significant impacts to population and housing are expected.

3.3 GEOLOGY AND SOILS

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
Would the project:				
a) Expose people or structures to potential substantial adverse effects, including the risk of loss, injury, or death involving:	☐	☐	☒	☐
i. Rupture of a know earthquake fault, as delineated on the most recent Alquist-Priolo Earthquake Fault Zoning Map issued by the State Geologist for the area or based on other substantial evidence of a known fault? Refer to Division of Mines and Geology Special Publication 42.	☐	☐	☒	☐
ii. Strong seismic ground shaking?	☐	☐	☒	☐
iii. Seismic-related ground failure, including liquefaction?	☐	☐	☒	☐
iv. Landslides?	☐	☐	☐	☒
b) Result in substantial soil erosion or the loss of topsoil?	☐	☐	☒	☐
c) Be located on a geologic unit or soil that is unstable, or that would become unstable as a result of the project, and potentially result in on- or off-site landslide, lateral spreading, subsidence, liquefaction, or collapse?	☐	☐	☒	☐
d) Be located on expansive soil, as defined in Table 18-1-B of the Uniform Building Code (1994), creating substantial risk to life or property?	☐	☐	☒	☐
e) Have soils incapable of adequately supporting the use of septic tanks or alternative waste water disposal systems where sewers are not available for the disposal of waste water?	☐	☐	☐	☒

3.3.1 ENVIRONMENTAL SETTING

3.3.1.1 Geological Overview

The Etiwanda Generating Station is located at approximately 1,110 feet elevation on Pleistocene alluvial fan deposits and recent Holocene wash deposits up to 1,000 feet in depth. The station is located approximately midway up a broad coalescing of gently

south-sloping alluvial fans at the base of the San Gabriel Mountains, which rise sharply to the north of the station to elevations over 10,000 feet. The soils are generally well-graded sand and gravelly-sand to a depth of 40 feet. The groundwater table occurs at a depth of 340 feet, and the groundwater is of good quality. The San Gabriel Mountains consist mostly of plutonic granitic rocks, especially Cretaceous granites and quartz diorites. Large bodies of metasedimentary rocks, Black Belt Mylonite, and other high-grade metamorphic rocks also are prominent in the San Gabriel Mountains. The range is toward the southeastern extension of the Transverse Ranges, and its eastern terminus is at the confluence of the San Andreas and San Jacinto Fault Zones.

3.3.1.2 Seismicity Overview

Tables 3.3-1 summarizes earthquake faults in the vicinity of the Etiwanda Generating Station. The San Jacinto, Cucamonga, and San Andreas Faults have perhaps the greatest recognized potential for seismicity. The southern boundary of the San Gabriel Mountains is defined by the trace of the active Cucamonga thrust fault zone, approximately 6 miles north of the generating station (Bortugno and Spittler 1986). All three faults are designated as earthquake fault zones (EFZs), considered very active, and capable of generating earthquakes of magnitude greater than 8.0 on the Richter scale. A site must be located within 0.5 miles of a EFZs to be considered prone to surface rupture (Hart 1994).

Table. 3.3 Active and Potentially Active Earthquake Faults near Etiwanda Generating Station

Fault	Trend	Closest Segment	Last Movement	Activity Status (a)	MCE (b)	Prob. of *g* force >0.2 (c)
Cucamonga	W	6 mi. N	Holocene	EFZ	7.0	60-75%
Fontana (inferred)	NE	4 mi. E	Late Quaternary	P. Active		
Indian Hill	W	10 mi. NW	Late Quaternary	P. Active		
Red Hill	SW	5 mi. N	Hol./L. Quat.	Active		
Rialto-Colton	NW	10 mi. E	Late Quaternary	P. Active		
San Andreas	NW	15 mi. E	Historic (1812)	EFZ	7.3	28%
San Jacinto	NNW	10 mi. E	Historic (1899)	EFZ	6.9	37%
San Jose	ENE	10 mi. W	Late Quaternary	P. Active	6.7	

Notes:

(a) Activity status is determined by recency of movement and other factors.

- Potentially (P.) Active = Evidence of displacement in the last 1.7 million years (Late Quaternary).
- Active = Last 11,000 years (Holocene) or last 200 years (Historic).
- EFZ = a nearby fault segment is a designated Earthquake Fault Zone under the Alquist-Priolo Act.

(b) MCE = Maximum Credible Earthquake, the estimated largest magnitude earthquake the fault is capable of generating.

(c) The 30-year probability of an earthquake generating a peak horizontal ground acceleration exceeding 0.2-*g*-force at the generating station, assuming a hard rock or stiff soil.

3.3.1.3 Soils Overview

The Etiwanda Generating Station is located on Hanford series coarse sandy loam and Tujunga series loamy sand, of the Hanford-Greenfield-San Emigdio and Tujunga Soboba Associations, respectively (Woodruff 1980).

Hanford coarse sandy loam occurs on young alluvial fans of granitic material with 2-9% slopes. Effective rooting depth is >60 inches, and permeability is moderately rapid (2.0-6.0 inches per hour). Runoff is slow to medium, and hazard of erosion is slight to moderate where the soil is unprotected (Woodruff 1980). This soil is suitable for irrigated and nonirrigated agriculture, as well as urban areas; it has few limitations that restrict land uses. Natural vegetation is mostly grasses and forbs (Woodruff 1980).

Tujunga loamy sand and coarse sand occur on gently sloping (0-5% slopes), long, broad alluvial fans of granitic material. The soil is deep (>60 inches), has rapid permeability (6.0-20.0 inches per hour), somewhat excessively drained, and is suitable for irrigated agriculture. Runoff is slow to very slow, the hazard of water erosion is slight, and the soil blowing hazard on unprotected soil is moderate to high. Natural vegetation includes chamise, big sagebrush, and annual grasses and forbs (Woodruff 1980).

3.3.2 Environmental Impacts

3.3.2.1 Earthquakes

No faults or fault-related features are known to exist within the Etiwanda Generating Station site. The proposed project site is not located in any Alquist-Priolo Earthquake fault zone and is not expected to be subject to significant fault displacement. Therefore, no significant impacts to the proposed project are expected from seismically-induced ground rupture. No significant damage has occurred to the Etiwanda Generating Station as a result of previous earthquakes in Southern California over the life of the facility.

As a result of the 1994 Northridge earthquake, the seismic design criteria in the Uniform Building Code (UBC) was revised resulting in much more stringent design criteria than in the previous edition. The revised criteria of the 1997 edition of the UBC would be used for construction of structures and foundations for the proposed project. Other Codes to be used for the construction of structures for the proposed project include; National Fire Protection Association (NFPA), the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code (Section VIII, Pressure Vessels), ASME B31.1, Power Piping, the American Concrete Institute (ACI) and the American Institute of Steel Construction (AISC).

A containment dike around the ammonia tanks would be in place to contain the release of ammonia in the event of a major earthquake and a catastrophic rupture of one of the ammonia tanks. Based on predictive modeling results, no off-site residences would be

exposed in the event of a catastrophic release of ammonia from a 10,000-gallon tank. See the Hazards section of this document for further detail.

3.3.2.2 Liquification

Liquification, a process by which water-saturated sediment suddenly loses strength, commonly accompanies strong ground motions generated by earthquakes. Liquification is most likely to occur in unconsolidated, granular sediments that are water-saturated less than 30 below the ground surface. Potential liquification during an earthquake is not a concern for the proposed project due to the soil and water characteristics of the project site. At Etiwanda, the groundwater is located more than 50-feet below the surface and the grain size of the soil underlying the generating station is not conductive to liquification. In addition, the ammonia tanks would be installed on a cement pad that would be designed according to 1997 Uniform Building Code standards for the site's seismic zone. A geologic survey would be completed prior to finalization of pad design and the design would accommodate the geologic factors identified in the survey. These project design elements would address any potential subsidence and/or liquefaction risks. Therefore, these potential risks would be less than significant.

3.3.2.3 Erosion

The proposed project would be constructed within an existing power facility, on a site that is already graded, developed and generally flat. The project would not involve excavation, grade changes or other significant changes in the soil. Therefore, no significant impacts related to soil erosion are expected. No significant change in topography is expected because little grading/trenching is required that could substantially increase wind erosion or runoff from the affected site. Relative to operation, no change in surface runoff is expected because surface conditions at the facility will remain relatively unchanged.

3.3.3 Mitigation Measures

No mitigation measures are required for the construction/operation of the project since no significant impacts to geology are expected.

3.4 HYDROLOGY AND WATER QUALITY

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
Would the project:				
a) Violate any water quality standards or waste discharge requirements?	☐	☐	☐	☒
b) Substantially deplete groundwater supplies or interfere substantially with groundwater recharge such that there would be a net deficit in aquifer volume or a lowering of the local groundwater table level (e.g., the production rate of pre-existing nearby wells would drop to a level which would not support existing land uses or planned uses for which permits have been granted?	☐	☐	☐	☒
c) Substantially alter the existing drainage pattern of the site or area, including through the alteration of the course of a stream or river, or substantially increase the rate or amount of surface runoff in a manner which would result in flooding on- or off-site?	☐	☐	☐	☒
d) Create or contribute runoff water which would exceed the capacity of existing or planned stormwater drainage systems or provide substantial additional sources of polluted runoff?	☐	☐	☐	☒
e) Otherwise substantially degrade water quality?	☐	☐	☒	☐
f) Place housing within a 100-year flood hazard area as mapped on a Federal Flood Hazard Boundary or Flood Insurance Rate Map or other flood hazard delineation map?	☐	☐	☐	☒
g) Place within a 100-year flood hazard area structures which would impede or redirect flood flows?	☐	☐	☐	☒
h) Expose people or structures to a significant risk of loss, injury or death involving flooding, including flooding as a result of the failure of a levee or dam?	☐	☐	☐	☒
i) Inundation by seiche, tsunami, or mudflow?	☐	☐	☐	☒

j)	Exceed wastewater treatment requirements of the applicable Regional Water Quality Control Board?	☐	☐	☐	☒
k)	Require or result in the construction of new water or wastewater treatment facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	☐	☐	☐	☒
l)	Require or result in the construction of new storm water drainage facilities or expansion of existing facilities, the construction of which could cause significant environmental effects?	☐	☐	☐	☒
m)	Have sufficient water supplies available to serve the project from existing entitlements and resources. Or are new or expanded entitlements needed?	☐	☐	☐	☒
n)	Require in a determination by the wastewater treatment provider which serves or may serve the project that it has adequate capacity to serve the project's projected demand in addition to the provider's existing commitments?	☐	☐	☐	☒

3.4.1 ENVIRONMENTAL SETTING

The main uses of water for the Etiwanda Generating Station are for heat transfer in the primary cooling systems, steam production in the turbine systems, and as cooling water for the condenser cooling system.

3.4.1.1 Existing Water Resources

The Etiwanda Generating Station is located in the City of Rancho Cucamonga, San Bernardino County. The generating station pumps groundwater from the Upper Santa Ana River Basin for use as cooling water and subsequently discharges water to the Chino Basin Municipal Water District.

The agency with jurisdiction over water quality in the region is the Santa Ana Regional Water Quality Control Board (RWQCB). The Santa Ana River is divided into six reaches by the Santa Ana Regional RWQCB. Each reach is generally a separate hydrologic and water quality unit. The Etiwanda Generating Station is located within the drainage area of Reach 5 of the Santa Ana River. Reach 5 extends from Seven Oaks Dam to San Bernardino to the San Jacinto Fault (Bunker Hill Dike), which marks the downstream edge of the Bunker Hill groundwater basin. Most of this reach tends to be dry, except during periods of storm flow. This channel is largely operated as a flood control facility (Santa Ana RWQCB 1995).

3.4.1.2 Current Water Uses

All the water used at the Etiwanda Generating Station is supplied by three onsite groundwater wells and water purchased from the Metropolitan Water District (MWD). The station also augments its groundwater supply through temporary water right transfers from other existing groundwater users in the basin (Lacroix pers. comm.).

The Etiwanda Generating Station also purchases Colorado River water from MWD via the district's Upper Feeder Canal. Colorado River water is used during winter months when the water cost is lower. During summer months, generating station water use depends more on its groundwater source due to the greater cost of Colorado River water during the summer period (Lacroix pers. comm.).

The largest water use at the facility is for evaporative cooling. The remaining water uses are for general station maintenance and operation. This water is discharged as low-volume wastewater. The low-volume wastewater includes, but is not limited to, wastewater from cooling water blowdown, floor drainage, cooling tower basin cleaning wastes, boiler wastes, metal cleaning processes, equipment washdowns, and miscellaneous sumps.

3.4.1.3 Wastewater Discharge Permit

The generating station discharges wastewater to Los Angeles County Sanitation District (LACSD) through the Inland Empires Utilities Agency non-reclaimable industrial waste lines. The Inland Empire Utilities Agency discharges to the Los Angeles County wastewater system as part of the Wastewater Reclamation and Solid Waste Management Group of the County Sanitation Districts of Los Angeles County. The discharge consists of cooling water discharge and low-volume wastewater.

3.4.1.4 Stormwater Discharges

Pursuant to § 402(p) of the Clean Water Act and 40 Code of Federal Regulations Parts 122, 123, and 124, the California State Water Quality Control Board (State Board) adopted a general permit to regulate stormwater discharges associated with industrial activity in California. The Etiwanda Generating Station is a permittee to this Statewide General Industrial Activities Stormwater Discharge Permit. Under the provisions of the permit Reliant has:

- Eliminated non-stormwater discharges to the stormwater system
- Prepared and implemented a Stormwater Pollution Prevention Plant
- Developed and implemented a Stormwater Monitoring Plan

The station discharges stormwater to the Chadwick Channel that transects the property. The channel also receives stormwater runoff from upstream industrial users. As part of

their Stormwater monitoring plan, Reliant collects water samples from the channel, both upstream and downstream of the Etiwanda Generating Station, to monitor offsite and onsite stormwater discharges. Sanitary sewage is discharged to an onsite septic tank and drainage system.

3.4.2 Environmental Impacts

The construction and operation of the proposed project will not require additional water usage, beyond that already used at the existing generating station. Additionally, no wastewater is generated during the SCR process.

The proposed project would not alter the infiltration rates, drainage patterns, or the quality and quantity of stormwater runoff, or erosion rates because the proposed project would occur within the generating station, on an existing impervious surface, utilizing the existing drainage system. Surface and ground water quality, quantity and flow rates, as well as currents or other water movements, would not change in relation to the proposed action.

The proposed project includes the construction of two 10,000-gallon aqueous ammonia storage tanks placed within a diked area. The dike would be designed to contain a complete tank spill plus storm water, which is the equivalent to a design capacity of 110 percent of the tank. In addition the proposed project includes the construction of a containment area to used for unloading ammonia from a tanker truck to the onsite tank. Accidental spills could occur from the transfer, use and handling of aqueous ammonia. Potential water quality impacts could occur if the ammonia were washed into the storm drains, or if the ammonia percolated into the soil. All liquid wastes currently entering drains at the Etiwanda Generating Station are pumped to retention basins where they are tested prior to discharge to the circulating water outfalls.

The Etiwanda Generating Site has a Spill Prevention Control and Countermeasure (SPCC) Plan in place, as required by federal regulations. The SPCC Plan, along with their Hazardous Materials Release Contingency Plan, outlines emergency procedures, operating procedures, training of employees and engineering controls (e.g. secondary containment) necessary to prevent spills, overflows, or other incidents that may discharge hazardous materials to the environment. These plans will be updated to include the additional use and storage of aqueous ammonia. As required in the plans employees at the Etiwanda Generating Station will be trained in all operating and emergency procedures associated with the ammonia.

The purpose of theses plans are to specify how personnel would respond to any unplanned release of hazardous materials to the air, soil, or surface water. This response includes notifying the proper authorities of the release, controlling and cleaning up the release and restoring the environment as required. The plan identifies sources of hazardous materials, responsibilities of employees during a response, a step-by-step plan of how to respond to a release, and who to contract and clean up of the released material.

In addition to administrative controls, ammonia vapor/liquid detection instrumentation will be installed in the ammonia tank storage containment area. The instrumentation will alarm to the control room, which is manned 24 hours per day. Investigation and appropriate action will be taken if an ammonia detection alarm is received by the control room.

Implementation of the facility's current spill response procedures, emergency response plan and the stormwater management procedures would reduce the potential for adverse water quality impacts to less than significant.

3.4.3 MITIGATION MEASURES

No mitigation measures are required for the construction/operation of the project since no significant impacts to water resources are expected.

3.5 AIR QUALITY

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
Where available, the significance criteria established by the applicable air quality management or air pollution control district may be relied upon to make the following determinations. Would the proposal:				
a) Conflict with or obstruct implementation of the applicable air quality plan?	☐	☐	☐	☒
b) Violate any air quality standard or contribute substantially to an existing or projected air quality violation?	☐	☐	☒	☐
c) Result in a cumulatively considerable net increase of any criteria pollutant for which the project region is non-attainment under an applicable federal or state ambient air quality standard (including releasing emissions which exceed quantitative thresholds for ozone precursors)?	☐	☐	☒	☐
d) Expose sensitive receptors to substantial pollutant concentrations?	☐	☐	☒	☐
e) Create objectionable odors affecting a substantial number of people?	☐	☐	☒	☐
f) Diminish an existing air quality rule or future compliance requirement resulting in a significant increase in air pollution?	☐	☐	☒	☐

3.5.1 ENVIRONMENTAL SETTING

The Etiwanda Generating Station is situated within the South Coast Air Basin and holds an SCAQMD permit for various facility equipment.

The SCAQMD has jurisdiction over an area of approximately 10,743 square miles, consisting of the four-county South Coast Air Basin (Basin) (Orange County and the non-desert portions of Los Angeles, Riverside and San Bernardino counties), and the Riverside County portions of the Salton Sea Air Basin (SSAB) and Mojave Desert Air Basin (MDAB). The Basin, which is a subarea of the SCAQMD's jurisdiction, is bounded by the Pacific Ocean to the west and the San Gabriel, San Bernardino, and San Jacinto mountains to the north and east. It includes all of Orange County and the nondesert portions of Los Angeles, Riverside, and San Bernardino counties. The Los Angeles County portion of MDAB (known as north county or Antelope Valley) is

bounded by the San Gabriel Mountains to the south and west, the Los Angeles/Kern county border to the north, and the Los Angeles/San Bernardino county border to the east. The Riverside County portion of the SSAB is bounded by the San Jacinto Mountains in the west and spans eastward up to the Palo Verde Valley. The federal nonattainment area (known as the Coachella Valley Planning Area) is a subregion of the Riverside County and the SSAB that is bounded by the San Jacinto Mountains to the west and the eastern boundary of the Coachella Valley to the east. See Figure 5 below.

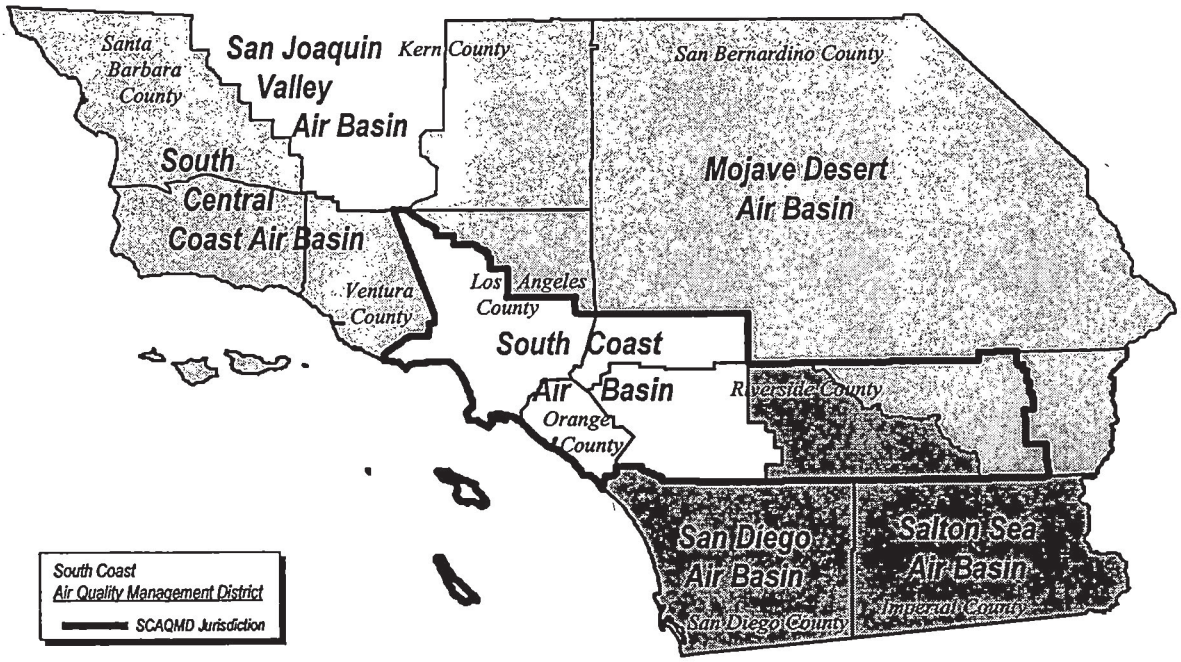


Figure 5. Air Basin Map

3.5.1.1 Regional Climate

The Basin lies within the semi-permanent high-pressure zone of the eastern Pacific Ocean. Typical of coastal strips along the western shores of continents at lower latitudes, the region is characterized by warm, dry summers and mild winters of moderate rainfall. The warmest month is August, with average temperatures in the low 70s. January in the coldest month, with minimum temperatures averaging in the low 40s. Summertime maximum temperatures range from approximately 75 °F at the coast to the 90s inland. Winter lows range from the 30s at inland and mountain locations to the mid-40s near the coast.

Precipitation in the basin is associated with winter storms that migrate inland from the Pacific Ocean. Nearly 90 percent of the annual rainfall in the basin occurs from November to April. Precipitation patterns show a strong orographic influence. The annual average rainfall is 11-15 inches in the coastal plain and inland valleys, up to 21 inches in the foothills, and greater than 50 inches in the mountains.

During the dry season, and to a lesser degree during winter, the daily circulation pattern in the basin is typified by a daytime sea breeze blowing onshore and a nighttime land breeze moving offshore. Generally, the sea breeze is approximately twice as strong as the land breeze, and summer wind speeds average slightly higher than winter wind speeds. Throughout the year during the night, a drainage flow exists as cool air from the nearby mountain sloped drains down and back toward the ocean.

On occasion during fall and winter months, a high-pressure system develops over Nevada and Utah and pushes air southward over the San Gabrial and San Bernardino Mountains. The resulting wind is known as a Santa Ana wind. Santa Ana winds can be very strong, with wind speeds through mountain passes sometimes exceeding 60 mph, and are usually warm and dry. They tend to clear the basin of accumulated air pollutants but can also cause dust storms and high particulate levels.

Air in the Basin is generally moist, due to presence of a marine air layer. Relative humidity during summer usually ranges from 70% to 80% during the night, and 50% to 60% in the daytime. During the winter, daytime relative humidity is usually between 50% to 60%, while nighttime relative humidity is approximately 75%.

Atmospheric pressure decreases with height above the earth's surface; as a result, air temperature also generally decreased with height. In the absence of other influences, air that is warmer than ambient air (that is, warmer than the air around it), such as heated exhaust from an industrial stack or vehicle tailpipe, would tend to rise indefinitely. In rising and mixing with other ambient air, this exhaust would become diluted and pollution levels would remain extremely low. However, the vertical dispersion of air pollutants in the Basin is limited by the presence of a persistent temperature inversion (a temperature increase with altitude) in the lower atmosphere. Warm air released at ground level will tend to rise as long as the surrounding air is cooler, but when the rising air encounters a temperature inversion where the air becomes warmer with altitude, it can no longer rise and becomes trapped below the layer of warmer air. The altitude at which air temperature begins to increase with altitude is the base of the inversion and defines the

mixing height. The mixing height limits the volume of air that is available for mixing and dilution of pollutants emitted near the ground. The lower the base of the inversion and the mixing height, the smaller the volume of air available for dilution of air pollutants; low mixing heights therefore lead to higher ambient concentrations of air pollutants.

Usually, inversions are lower before sunrise than during daylight hours. The mixing height normally increases during the day as the base of the inversion erodes because of surface heating. Along the coast of southern California, relatively cool surface air temperatures, coupled with warm, dry, subsiding air from aloft, produce inversions approximately 87% of the time in the early morning. The average occurrence of ground-based inversions (in which the base of the inversion is at ground level and pollutants emitted at ground level are trapped there without mixing) in 11 days per month, ranging from 2 days in June to 22 days in December and January. Elevated inversions, in which the base of the inversion may be up to 2,500 feet above mean sea level (MSL), occur approximately 20 days each month. Mixing heights of 3,500 feet above MSL or less occur approximately 191 days each year (SCAQMD, 1980).

3.5.1.2 Ambient Air Quality Standards

The determination of whether a region's air quality is healthful or unhealthful is determined by comparing contaminant levels in ambient air samples to national and state standards. These standards are set by the U. S. Environmental Protection Agency (USEPA) and the California Air Resources Board (CARB) at levels to protect public heath and welfare with an adequate margin of safety. National Ambient Air Quality Standards (NAAQS) were first authorized by the federal Clean Air Act of 1970. California Ambient Air Quality Standards (CAAQS) were authorized by the state legislature in 1967. Air quality of a region is considered to be in attainment of the standards if the measured ambient air pollutant levels for ozone, carbon monoxide (CO), NO_2, particulate matter less than 10 microns in diameter (PM_{10}), are not exceeded, and all other standards are not equaled or exceeded at any time in any consecutive three-year period. National standards (other than ozone, PM_{10}, and those based on annual averages or arithmetic mean) are not to be exceeded more than once per year. The ozone standard is attained when the fourth highest eight-hour concentration in a year, averaged over three years, is equal to or less than the standard. For PM_{10}, the 24-hour standard is attained when 99 percent of the daily concentrations, averaged over three years, are equal to or less than the standard. The Basin is a non-attainment area for ozone, PM_{10}, and CO.

It is the responsibility of the SCAQMD to ensure that state and federal ambient air quality standards are achieved and maintained in the district. Health-based air quality standards have been established by California and the federal government for the following criteria air pollutants: ozone, CO, NO_2, PM_{10}, SO_2, and lead. These standards were established to protect sensitive receptors from adverse health impacts due to exposure to air pollution. The CAAQS are more stringent than the federal standards, and in the case of PM_{10} much more stringent. California has also established standards for sulfate, visibility, hydrogen

sulfide, and vinyl chloride. Hydrogen sulfide and vinyl chloride are currently not monitored in the Basin, however, because these contaminants are not seen as a significant air quality problem. See Table 3.5-1 below for a list of the California and National Ambient Air Quality Standards for the criteria pollutants, and their most relevant health effects.

Table 3.5-1 Ambient Air Quality Standards

Air Pollutant	State Standard	Federal Primary Standard	Most Relevant Effects
	Concentration/ Averaging Time	Concentration/ Averaging Time	
Ozone	0.09 ppm, 1-hr. avg.	0.12 ppm, 1-hr avg., 0.08 ppm, 8-hr avg.*	(a) Short-term exposures: (1) Pulmonary function decrements and localized lung edema in humans and animals (2) Risk to public health implied by alterations in pulmonary morphology and host defense in animals; (b) Long-term exposures: Risk to public health implied by altered connective tissue metabolism and altered pulmonary morphology in animals after long-term exposures and pulmonary function decrements in chronically exposed humans; (c) Vegetation damage; (d) Property damage
Carbon Monoxide	9.0 ppm, 8-hr avg. 20 ppm, 1-hr avg.	9 ppm, 8-hr avg. 35 ppm, 1-hr avg.	(a) Aggravation of angina pectoris and other aspects of coronary heart disease; (b) Decreased exercise tolerance in persons with peripheral vascular disease and lung disease; (c) Impairment of central nervous system functions; (d) Possible increased risk to fetuses
Nitrogen Dioxide	0.25 ppm, 1-hr avg.	0.053 ppm, annual arithmetic mean	(a) Potential to aggravate chronic respiratory disease and respiratory symptoms in sensitive groups; (b) Risk to public health implied by pulmonary and extra-pulmonary biochemical and cellular changes and pulmonary structural changes; (c) Contribution to atmospheric discoloration

Table 3.5-1 Ambient Air Quality Standards (cont.)

Sulfur Dioxide	0.04 ppm, 24-hr avg. 0.25 ppm, 1-hr. avg.	0.030 ppm, annual arithmetic mean 0.14 ppm, 24-hr avg.	(a) Bronchoconstriction accompanied by symptoms which may include wheezing, shortness of breath and chest tightness, during exercise or physical activity in persons with asthma
Suspended Particulate Matter (PM_{10}) Particulate Matter ($PM_{2.5}$)	30 µg/m3, annual geometric mean 50 µg/m3, 24-hr avg. Same as Federal standard	50 µg/m^3, annual arithmetic mean 150 µg/m3, 24-hr avg. 15 µg/m^3, annual arithmetic mean 65 µg/m3, 24-hr avg.	(a) Excess deaths from short-term exposures and exacerbation of symptoms in sensitive patients with respiratory disease; (b) Excess seasonal declines in pulmonary function, especially in children
Sulfates	25 µg/m^3, 24-hr avg.	None	(a) Decrease in ventilatory function; (b) Aggravation of asthmatic symptoms; (c) Aggravation of cardio-pulmonary disease; (d) Vegetation damage; (e) Degradation of visibility; (f) Property damage
Lead	1.5 µg/m3, 30-day avg.	1.5 µg/m3, calendar quarter	(a) Increased body burden; (b) Impairment of blood formation and nerve conduction
Visibility-Reducing Particles	In sufficient amount to reduce the visual range to less than 10 miles at relative humidity less than 70%, 8-hour average (10am - 6pm)	None	Visibility impairment on days when relative humidity is less than 70 percent
µg/m3 = microgram per meter cubed ppm = parts per million			

3.5.1.3 Project Location Air Quality

Recent background ambient air quality data for criteria pollutants for the project location are presented in Table 3.5-2. The San Bernardino ambient air monitoring station is located approximately 13 miles east of the Etiwanda Generating Station and the Fontana ambient air monitoring station is located approximately 3 miles east of the facility. As shown by the data below, the PM_{10} measurements exceeded the CAAQS 24-hour Max and Annual Mean for all six years and the NAAQS Annual Mean five out of the six years. The Ozone measurements exceeded the CAAQS 1-hour Max four of the six years with the past two years falling below both the state and national standard.

Table 3.5-2 Summary of Background Air Quality ($\mu g/m^3$)

Monitor Site Address: 24302 4th Street, San Bernardino, CA

Pollutant	Averaging Time	CAAQS	NAAQS	1995	1996	1997	1998	1999	2000
NO_2	1-hour Max	470	---	162	146	141	114	139	100
	Annual	---	100	40	38	35	33	35	32
PM_{10}	24-hour	50	150	148	136	108	114	134	78
	Annual Max	30	50	56.8	52.2	51.2	46.3	56.6	50.4
CO	1-hour Max	23000	40000	7700	5800	7600	6300	5500	5500
	8-hour Max	10000	10000	6300	4500	5900	4700	4800	3500
O_3	1-hour Max	180	235	203	239	197	214	159	149

Source: http://www.epa.gov/airsdata/monitors.htm

Monitor Site Address: 14360 Arrow Blvd, Fontana, CA

Pollutant	Averaging Time	CAAQS	NAAQS	1995	1996	1997	1998	1999	2000
NO_2	1-hour Max	470	---	170	163	147	154	149	119
	Annual Mean	---	100	42	38	36	36	38	36
PM_{10}	24-hour Max	50	150	178	130	122	101	116	n/a
	Annual Max	30	50	60.8	54.9	53.6	50.2	60.1	n/a
CO	1-hour Max	23000	40000	n/a	n/a	n/a	n/a	n/a	n/a
	8-hour Max	10000	10000	n/a	n/a	n/a	n/a	n/a	n/a
O_3	1-hour Max	180	235	n/a	n/a	n/a	n/a	n/a	n/a

n/a - Data not available
Source: http://www.epa.gov/airsdata/monitors.htm

3.5.2 Environmental Impacts

3.5.2.1 Construction Emissions

Air quality impacts associated with construction projects generally arise from fugitive dust generation and the operation of construction equipment. Trucks, cranes, skip loaders, and other mobile sources may be powered by diesel or gasoline and are sources

of combustion emissions which include NO_x, carbon monoxide, VOCs, and small amounts of air toxics.

Construction emissions for the proposed project are anticipated from the use of a 75-foot crane, a fork lift, a front loader, and a truck to hoist the ammonia vaporizer and catalyst into place. Construction emissions may not exceed the SCAQMD Air Quality Significance Thresholds shown in Table 3.5-3. Construction emissions were estimated for these equipment using SCAQMD emission factors from the SCAQMD CEQA Air Quality Handbook (1993). As shown on Table 3.5-4, construction emissions are projected to be below the significant thresholds for criteria pollutants.

Table 3.5-3 Air Quality Significant Thresholds

Mass Daily Thresholds		
Pollutant	**Construction**	**Operation**
NO_x	100 lbs/day	55 lbs/day
VOC	75 lbs/day	55 lbs/day
PM10	150 lbs/day	150 lbs/day
SOx	150 lbs/day	150 lbs/day
CO	550 lbs/day	550 lbs/day
Lead	3 lbs/day	3 lbs/day
TAC, AHM, and Odor Thresholds		
Toxic Air Contaminants (TACs)	Maximum Incremental Cancer Risk $\geq$ 10 in 1 million Hazard Index $\geq$ 1.0 (project increment) Hazard Index $\geq$ 3.0 (facility-wide)	
Accidental Release of Acutely Hazardous Materials (AHMs)	CAA §112(r) threshold quantities	
Odor	Project creates an odor nuisance pursuant to SCAQMD Rule 402	
Ambient Air Quality for Criteria Pollutants		
NO_2 1-hour average annual average	 20 ug/m^3 (= 1.0 pphm) 1 ug/m^3 (= 0.05 pphm)	
PM10 24-hour annual geometric mean	 2.5 ug/m^3 1.0 ug/m^3	
Sulfate 24-hour average	 1 ug/m^3	
CO 1-hour average 8-hour average	 1.1 mg/m^3 (= 1.0 ppm) 0.50 mg/m^3 (= 0.45 ppm)	

ug/m^3 = microgram per cubic meter; pphm = parts per hundred million; mg/m^3 = milligram per cubic meter; ppm = parts per million; TAC = toxic air contaminant; AHM = Acutely Hazardous Material

TABLE 3.5-4
RELIANT ETIWANDA CONSTRUCTION EMISSIONS

Emission Factors (EF) from Table A9-8-B: lb/hp-hr

Construction Equipment - Diesel	HP rating	Loading percent	Max hrs/day	Max-daily HP-Hr	EF unit	EF CO	lb/day CO	EF ROC	lb/day ROC	EF NOx	lb/day NOx	EF SOx	lb/day SOx	EF PM10	lb/day PM10
fork lift	175	30%	6	315	lb/hp-hr	0.013	0.078	0.003	0.018	0.031	0.186	0.002	0.012	0.0015	0.009
concrete truck	300	62%	6	1116	lb/hp-hr	0.006	6.696	0.002	2.232	0.021	23.436	0.002	2.232	0.0015	1.674
crane	300	43%	6	774	lb/hp-hr	0.009	6.966	0.003	2.322	0.023	17.802	0.002	1.548	0.0015	1.161
welding machine	65	45%	6	175.5	lb/hp-hr	0.02	15.48	0.003	2.322	0.024	18.576	0.002	1.548	0.0015	1.161
TOTAL, lb							**29.22**		**6.89**		**60.00**		**5.34**		**4.01**
AQ Significance Thresholds							**550**		**75**		**100**		**150**		**150**

Source: SCAQMD CEQA Air Quality Handbook, 1993

On-road mobile source emissions were calculated using CARB's MVEIG Program, 2000 emission factors and calculations. Table 3.5-5 shows the calculations for light-duty trucks and heavy duty diesel trucks, along with emissions from worker's vehicles for commutes to the job site. Worker commuting assumes 500 miles day for the light duty trucks, based upon 10 trucks per day at 50 miles round trip; and 350 miles per day for the heavy duty diesel trucks, based upon 5 trucks per day at 70 miles round trip. The total construction emissions from on-road mobile sources were below the CEQA significance level, as shown at the bottom of the table.

Particulate emissions from fugitive dust results from vehicle and truck traffic on paved and unpaved roads. The amount of dust generated is a function of construction activities, silt and moisture contents of the soil, wind speed, frequency of precipitation, vehicle traffic and vehicle types, and roadway characteristics. Dust suppression techniques, such as watering or application of chemicals will be used in construction zones to minimize fugitive dust impacts. Additionally, the project will comply with the best available control measures referenced in SCAQMD Rule 403.

3.5.2.2 Operational Emissions

The facility currently operates as a RECLAIM NO_x facility per SCAQMD Rule 2001. Installation of the selective catalytic reduction (SCR) systems will substantially reduce emissions of nitrogen oxides (NO_x) from two existing 320-MW power generating units (Units No. 3 and No. 4). The SCR air emissions reduction technology will remove about 90 percent of the NO_x emissions from Units No. 3 and No. 4 at the Reliant Etiwanda Generating Station.

SCR is a technique that reduces NO_x in the combustion exhaust stream to nitrogen, water and oxygen. Aqueous ammonia (NH3) is used as a reducing agent which is injected over a catalyst bed of vanadium pentoxide to cause the reaction. Most of the aqueous ammonia and NO_x will undergo a catalytic reaction within a temperature range of about 600 – 800°F. The combustion exhaust, along with ammonia that is injected into it, is passed over the catalyst bed. During this process the NO_x emissions are converted to nitrogen and water. Ammonia is injected at a rate that depends upon the fuel flow rate and the catalyst bed activity. The optimum ammonia injection rate is determined by source testing. However, in spite of carefully determined injection rates, some of the ammonia will pass the through the process unreacted and escape into the air. This is referred to as "ammonia slip". The ammonia slip emissions from this project are estimated at a concentration less than 10 ppm in the exhaust (corrected to 3% O2).

There is no air quality standard for ammonia, but permit conditions will be included in the SCAQMD RECLAIM Permit to limit ammonia slip emissions. There are potential health concerns associated with ammonia, as discussed below.

TABLE 3.5-5 RELIANT ETIWANDA
ON-ROAD MOBILE SOURCE RUNNING EMISSIONS

On-Road Mobile Source Running Emissions Factors

Vehicle Type	CO g/mile	VOC* g/mile	NOx g/mile	Combustion PM10 g/mile	Tire Wear PM10 g/mile	Brake Wear Pm10 g/mile
Light-Duty Trucks - Cat	4.02	0.39	0.78	0.00	0.01	0.01
Heavy Heavy Duty Diesel Truck	7.2	1.22	9.2	0.67	0.04	0.01

Source: CARB's MVEIG Program, 2000 (summer), non-enhanced I/M, 35 mph
*Includes exhaust and evaporative running losses

On-Road Mobile Source Start-Up, Hot Soak and Diurnal Emission Factors

Vehicle Type	Start-Up CO*	Start-Up VOC*	Hot Soak VOC	Diurnal VOC**	Start-Up NOx*
Light-Duty Trucks - Cat	45.7	4.08	0.62	18.96	2.42
Heavy Heavy Duty Diesel Truck	0	0	0	0	0

Source: CARB's MVEIG Program, 2000 (summer), non-enhanced I/M, 35 mph
* After 720 minutes
**Includes diurnal and resting losses

Worker Commuting Emissions (personal vehicles and delivery trucks)

Vehicle Type	Number per day	RT VMT Mi/veh	VMT mi/day	Starts No.Day	Trips No.Day	Vehicle-days No.Day	CO lb/day	VOC lb/day	NOx lb/day	PM10 lb/day	PM10 lb/day	PM10 lb/day	PM10 lb/day
Light-Duty Trucks - Cat	80	30	550	20	20	10	6	1	1	0	0	0	0
Heavy Heavy Duty Diesel Truck	5	70	350	10	10	5	6	1	7	1	0	0	1
Total Off-Site							**12**	**2**	**8**	**1**	**0**	**0**	**1**

Total Construction Emissions

	CO lb/day	VOC lb/day	NOx lb/day	SOx lb/day	PM10 lb/day
Onsite	65	13	90	7	5
Offsite	12	2	8	1	0
TOTAL	**77**	**15**	**98**	**8**	**5**
CEQA Significance Level	**550**	**75**	**100**	**150**	**150**
Significant? (Yes/No)	**No**	**No**	**No**	**No**	**No**

Ammonia is not a carcinogen, but can have chronic and acute impacts. The nearest sensitive receptor is about 600 meters from the project, and the nearest off-site worker receptor is about 115 meters. A health risk screening analysis was conducted pursuant to SCAQMD Rule 1401, to conservatively estimate the long term (chronic) non-cancer risk, and short term (acute) non-cancer risk associated with the maximum ammonia emissions. The results of these analyses revealed that both chronic hazard index and acute hazard index for both boilers No. 3 and No. 4 were less than 1.0, and therefore sensitive receptors would not be exposed to substantial pollution concentrations. (Please refer to Appendix B for the hazard index calculations.) Additionally, according to Rule 1401 with chronic hazard and acute hazard indices below 1.0, no further analysis is required.

Sensitive receptors would be exposed to less NO_x and ozone concentrations as a result of the project. There is a potential for a slight increase in the secondary formation of particulate emissions resulting from the use of aqueous ammonia in the SCR in the presence of sulfur compounds which are present in small quantities in natural gas. While most of the fuel sulfur is converted to SO_2, about 1.5 percent is converted to SO_3 in the presence of the SCR catalyst. SO_3 reacts with ammonia in the presence of water from the exhaust and forms ammonium sulfate and ammonia bisulfate, which is a very fine solid. Public Utility Commission-grade low sulfur natural gas contains no more than 0.75 grains/100 standard cubic feet of gas. This is roughly equivalent to 10 parts per million (ppm). Since only a fraction of the sulfur will contribute to formation of particulate, insignificant quantities of particulate will form as a result of the installation of the SCR system.

Regular deliveries of the aqueous ammonia to the facility would increase mobile source emissions by a small amount, as shown on Table 3.5-6.

The air quality impacts associated with the construction and operation of the proposed project are not expected to result in significant air quality impacts. The proposed project NO_x emission reductions are expected to improve overall air quality in the Basin by enhancing the probability of attaining and maintaining state and Federal NO_2 and ozone standards. Ammonia slip will be restricted to less than 10 ppm as a condition of the SCAQMD RECLAIM Permit. Cumulative secondary impacts associated with the ammonia slip and particulate emissions are expected to be insignificant.

The operating impacts of the proposed project will not violate any air quality standard. Rather, the project will provide an ambient air quality benefit by reducing NO_x emissions from the boilers by 90%. The proposed project will therefore expected to facilitate attaining and maintaining the state and Federal NO_2 and ozone ambient air quality standards.

The proposed project will not create objectionable odors, because the concentration of ammonia will be below the odor detection limit. According to dispersion estimates

(Eschenroeder, et al., 1988), the buoyancy of ammonia and its dilution into the atmosphere (Benchley and Athey, 1981) would reduce the annual one-hour maximum ground concentration to less than one ppm based on an ammonia slip of 10 ppm. A concentration of one ppm is well below the odor detection maximum limit .

The proposed project is not expected to violate an existing air quality rule nor contribute to a significant increase in air pollutants. The proposed project is being undertaken to comply with Regulation XX annual allocation requirements to reduce NO_x emissions. There will be insignificant increases in secondary particulates emitted as gaseous ammonia. Ammonia emissions will be minimal, about 10 ppm per unit, and must comply with relevant SCAQMD permit condition requirements.

TABLE 3.5-6
OPERATIONAL EMISSIONS FROM MOBILE SOURCE

On-Road Mobile Source Running Emissions Factors

Ammonia Delivery Truck	Round trip veh miles	CO g/mile	VOC* g/mile	NOx g/mile	Combustion PM10 g/mile	Tire Wear PM10 g/mile	Brake Wear Pm10 g/mile	CO lb/trip	VOC lb/trip	NOx lb/trip	Total PM10 lb/trip
Heavy Heavy Duty Diesel Truck	80	7.2	1.22	9.2	0.67	0.04	0.01	1.27	0.21	1.62	0.13

NOTE: Project anticipates about 6-8 deliveries per month

Source: CARB's MVEIG Program, 2000 (summer), non-enhanced I/M, 35 mph
*Includes exhaust and evaporative running losses

3.6 TRANSPORTATION/TRAFFIC

Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Cause an increased traffic which is substantial in relation to the existing traffic load and capacity of the street system (i.e., result in a substantial increase in either the number of vehicle trips, the volume to capacity ratio on roads, or congestion at intersections)?	☐	☐	☒	☐
b) Exceed, either individually or cumulatively, a level of service standard established by the county congestion management agency for designated road or highways?	☐	☐	☒	☐
c) Result in a change in air traffic patterns, including either an increase in traffic levels or a change in location that results in substantial safety risks?	☐	☐	☐	☒
d) Substantially increase hazards due to a design feature (e.g., sharp curves or dangerous intersections) or incompatible uses (e.g., farm equipment)?	☐	☐	☐	☒
e) Result in inadequate emergency access?	☐	☐	☐	☒
f) Result in inadequate parking capacity?	☐	☐	☐	☒
g) Conflict with adopted policies, plans, or programs supporting alternative transportation (e.g., bus turnouts, bicycle racks)?	☐	☐	☐	☒

3.6.1 ENVIRONMENTAL SETTING

The Etiwanda Generating Station is located within the City of Rancho Cucamonga where land is intensively used. Many local streets and arterials are frequently congested. The California Department of Transportation (CalTrans) provides traffic volume statistics, including those for Routes 10, 15 and 66 which are major arterials for local transportation within the City of Rancho Cucamonga. These arterials are utilized for the majority of inter-city traffic in the area.

Table 3.6-1 lists traffic volumes for the nearest interchanges along the major traffic routes in the region of the Etiwanda Generating Station. The columns of the table contain the following data:

Peak Hour Counts. The number of vehicles in both directions (used to estimate congestion). A few hours a year will be higher than the listed value, but not many. Usually about 200 or more hours each year will approximate this value, with about 30 to 50 hours exceeding it. Peak hours on these routes occur during the evening rush period.

Annual ADT (Average Daily Trips). The estimated averages are computed by extrapolating from available count data. The data for any year are based on the October 1 through September 30 period. These data are used for assessing statewide traffic flows, traffic trends, computing accident rates, and planning and designing highways and highway improvements.

Table. 3.6-1 Selected Traffic Volumes

From Route 15	Peak Hour	Annual ADT	From Route 10	Peak Hour	Annual ADT
Route 66	10,200	132,000	Ontario/Fourth Avenues	15,000	214,000
Fourth Street	11,500	150,000	Etiwanda Avenue	16,300	186,000
Junction 10	13,300	175,000	Ontario, Jct. Rte. 15	13,700	189,000

Source: http://www.dot.ca.gov/hq/traffops/saferesr/trafdata/1999all.htm

3.6.2 ENVIRONMENTAL IMPACTS

3.6.2.1 Construction

The largest number of daily trips attributable to the proposed project will occur during the short-term (approximately four months) construction phase. This temporary increase in traffic in the area is associated with construction workers, construction equipment, and the delivery of construction materials. Major arteries would be used to transport materials and construction workers to the site. As a worst-case construction phase traffic assessment the peak onsite work force is estimated to include 80 workers during the day shift. Based on an average worker commute distance of 15 miles, average Vehicle Miles Traveled (VMT) is estimated to peak at approximately 2,400 miles per day (if all 80 workers drive alone). Trips would most likely radiate in all directions, using all of the major arterioles of the area. For a short period of time, 48 trips during the peak hour may occur (assuming 80 workers and a trip generation factor of 0.6).

The 24-hour traffic count for Etiwanda Avenue, the major access road to the facility, is 16,300. The maximum number of trips during peak construction period would be 48 trips. The temporary increase of construction traffic along Etiwanda Avenue represents a 0.3 percent increase, significantly below the SCAQMD's significance criteria of an increase of the volume to capacity ratio of two percent or more.

3.6.2.2 Operation

No additional employees will be added to the operation of the Etiwanda Generating Station due the SCR project. Therefore no increase in the number of workers or worker-related vehicles is expected due to operation of the proposed project. The additional aqueous ammonia deliveries (6-8 per month) during operation would also be less than a two percent increase of the volume to capacity ratio of Etiwanda Avenue.

The proposed project is not within the vicinity of a public or private airport and would not alter the existing air traffic patterns.

As detailed above, construction-related impacts, as well as operational increases in traffic are expected to be minimal. The anticipated construction traffic for the proposed project will be minimal and no significant impacts to transportation are expected.

3.6.3 Mitigation Measures

No mitigation measures are required for the construction/operation of the proposed project since no significant impacts to transportation/traffic are expected.

3.7 BIOLOGICAL RESOURCES

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
Would the project:				
a) Have a substantial adverse effect, either directly or through habitat modifications, on any species identified as a candidate, sensitive, or special status species in local or regional plans, policies, or regulations, or by the California Dept. of Fish and Game or U.S. Fish and Wildlife Service?	☐	☐	☐	☒
b) Have a substantial adverse effect on any riparian habitat or other sensitive natural community identified in local or regional plans, policies, regulations or by the California Dept. of Fish and Game or U.S. Fish and Wildlife Service?	☐	☐	☒	☐
c) Have a substantial adverse effect on federally protected wetlands as defined by Section 404 of the Clean Water Act (including, but not limited to, marsh, vernal pool, coastal, etc.) through direct removal, filling, hydrological interruption, or other means?	☐	☐	☐	☒
d) Interfere substantially with the movement of any native resident or migratory fish or wildlife species or with established native resident or migratory wildlife corridors or impede the use of native wildlife nursery sties?	☐	☐	☐	☒
e) Conflict with any local policies or ordinances protecting biological resources such as a tree preservation policy or ordinance?	☐	☐	☐	☒
f) Conflict with the provisions of an adopted Habitat Conservation Plan, Natural Community Conservation Pan, or other approved local regional, or state habitat conservation plan?	☐	☐	☐	☒

3.7.1 ENVIRONMENTAL SETTING

The Etiwanda Generating Station is located on a 64-acre site in a urban, semi-industrial area of western San Bernardino County. The facility is primarily industrial in nature with areas of naturalized open space bordering the complex to the south and west. Southern California Edison (Etiwanda Generating Station owner prior to Reliant) currently owns some of these open space areas. Portions of these open space areas appear to have been

used historically as cropland but currently are out of production and support re-established native and ruderal vegetation. Open water habitat is associated with three evaporation and groundwater percolation/recharge ponds within the generating station boundaries. Cooling water is discharged from the generating station to an industrial sewer, the Chadwick channel, which may occasionally provide aquatic habitat. Special-status animal species occurring within the vicinity of the facility are listed in the table below. No special-status plant species were identified in the area.

Table. 3.7 Special-status species reported from the vicinity of Etiwanda Generating Station.

Common Name *Scientific Name*	Status[a] Fed/State	Habitat	Potential for Occurrence Onsite
San Bernardino Merriam's kangaroo rat *Dipodomys merriami parvus*	C/CSC	Sparse to moderate canopy on fine to course grain sand.	May occur in areas adjacent to the generation complex
Orange-throated whiptail *Cnemidophorus hyperythrus*	--/CSC	Unknown	Critical habitat may exist on the station property; known to occur in the vicinity of the Etiwanda property.
Delphi's sands-flower loving fly *Rhapiomidas terminatus abdominalis*	FE/CSC	Unknown	Critical habitat may exist on the station property; known to occur in the vicinity of the Etiwanda property.
San Diego horned lizard *Phrynosoma coronatum blainvillei*	--/CSC	Coastal sage scrub and chaparral habitats, with friable, rocky, or shallow sandy soils	May occur onsite

[a] Status explanation:

-- = no designation.

Federal status (as reported by the USFWS in the Federal Register February 28, 1996)

C = Candidate species for which there is enough data on file to support a listing as threatened or endangered.

State status (as reported by DFG's Special Animals List, August 1994)

CSC= California Species of Special Concern.

3.7.2 ENVIRONMENTAL IMPACTS

The proposed project will be located within the boundaries of an existing power generating station that has already been greatly disturbed as a result of the original construction of the facility. Construction activities will occur in areas of the facility that are paved and will not affect biological resources. No conflict with any local policies, ordinances or conservation plans will occur due to the proposed project. There will be no biological impact associated with the proposed project.

3.7.3 MITIGATION MEASURES

No mitigation measures are required for the construction/operation of the proposed project since no significant impacts to biological resources are expected.

3.8 ENERGY & MINERAL RESOURCES

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
Would the project:				
a) Result in the loss of availability of a known mineral resource that would be of future value to the region and the residents of the State?	☐	☐	☐	☒
b) Result in the loss of availability of a locally-important mineral resource recovery site delineated on a local general plan, specific plan, or other land use plan?	☐	☐	☐	☒

3.8.1 ENVIRONMENTAL SETTING

Most of the oil and gas in California is produced in the southern half of the state. The Los Angeles Basin accounts for approximately 45 percent of the states' cumulative production. Anticlines and faulted anticlines are the most characteristic formations which accumulate oil, yielding a strong structural control on the occurrence of oil in both the Transverse Ranges and the Peninsular Ranges.

3.8.2 ENVIRONMENTAL IMPACTS

Incremental gasoline and diesel usage will occur during construction activities (e.g., operation of construction equipment, material delivery trucks, and worker commute vehicles. This small increase will be temporary and is expected to have a less than significant impact on local fuel reserves. Electrical consumption during construction will be temporary and can be handled by the existing infrastructure and the project itself will enhance the availability and reliability of electricity.

There would be no increase of natural gas or gasoline usage as a result of operation of the project. Operation of the project will result in a minor increase in the electrical consumption due to the operation of blowers and the pumps associated with the SCR Units. This increase in electricity will be satisfied by the new power generated by the project.

3.8.3 MITIGATION MEASURES

No mitigation measures are required for the proposed project since no significant impacts to energy and mineral resources are expected.

3.9 HAZARDS AND HAZARDOUS MATERIALS

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
Would the proposal involve:				
a) Create a significant hazard to the public or the environment through the routine transport, use, or disposal of hazardous materials?	☐	☒	☐	☐
b) Create a significant hazard to the public or the environment through reasonably foreseeable upset and accident conditions involving the release of hazardous materials into the environment?	☐	☒	☐	☐
c) Emit hazardous emissions or handle hazardous or acutely hazardous materials, substances, or waste within one-quarter mile of an existing or proposed school?	☐	☐	☒	☐
d) Be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 and, as a result, would it create a significant hazard to the public or the environment?	☐	☐	☐	☒
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project result in a safety hazard for people residing or working in the project area?	☐	☐	☐	☒
f) For a project within the vicinity of a private airstrip, would the project result in a safety hazard for people residing or working in the project area?	☐	☐	☐	☒
g) Impair implementation of or physically interfere with an adopted emergency response plan or emergency evacuation plan?	☐	☐	☐	☒
h) Expose people or structures to a significant risk of loss, injury or death involving wildland fires, including where wildlands are adjacent to urbanized areas or where residences are intermixed with wildlands?	☐	☐	☐	☒
i) Significantly increase fire hazard in areas with flammable materials?	☐	☐	☐	☒

3.9.1 ENVIRONMENTAL SETTING

The proposed SCR system requires ammonia to react with NO_x in the exhaust gases to reduce NO_x emissions. Along with the use and handling of aqueous ammonia comes the risk of upset and accidental release. The risk of upset and accidental release is reduced through design, operations, maintenance, regulatory, and administrative controls. Design standards are developed through industry groups, various independent institutes, and government agencies. Operational controls include automatic devices to control and monitor process variables and documented procedures for manual operations. Routine preventative maintenance and inspections of critical equipment help to prevent unscheduled process shutdowns and potential equipment failures. Administrative controls include operator training, documentation of equipment inspection and maintenance history, and procurement prequalification controls over contractors and vendors.

Reliant adheres to and will continue to adhere to the following safety design and process standards in the operations of the equipment for the proposed project:

- The California Health and Safety Code Fire Protection specifications.
- The design standards established by American Society of Mechanical Engineers, the American Institute of Chemical Engineers, the American National Standards Institute, and the American Society of Testing and Materials.
- The applicable California Occupational Safety and Health Act (Cal-OSHA) requirements.

3.9.2 ENVIRONMENTAL IMPACTS

The proposed project includes the addition of two 10,000-gallon aboveground storage tanks to service the new SCR units. The ammonia would be delivered to the Etiwanda Generating Station mixed with water at a concentration of 19 percent and stored onsite. Nineteen percent is being used rather than anhydrous ammonia or the 29 percent historically used for SCR systems in order to reduce the inherent risk of handling ammonia. Use and transport of anhydrous ammonia involves greater risk than aqueous ammonia because it is stored and transported under pressure. In the event of a leak or rupture of a tank, anhydrous ammonia is released and vaporizes into the gaseous form which is its normal state at atmospheric pressure and produces a toxic cloud. Aqueous ammonia is a liquid at ambient temperatures and gas is only produced when a liquid pool from a spill evaporates.

Aqueous ammonia at concentrations less than 20 percent is not considered a toxic substance under federal Risk Management Program requirements (title 40 of the Code of Federal Regulations, Part 68). However under current California Office of Emergency Services (OES) regulations implementing the California Accidental Release Program (CalARP) requirements, there is no threshold concentration of aqueous ammonia for exclusion from the program (California Health and Safety code Section 2770.1). On June

19, 1998, the California Office of Environmental Health Hazard Assessment (OEHHA) issued recommended changes to the list of regulated substances in the CalARP program that included a proposed change in aqueous ammonia applicability to solutions of 20 percent or greater, which would match the federal program. Thus, both the EPA and the OEHHA have determine that aqueous ammonia of less than 20 percent concentration does not present a significant toxic risk; However the California OES has not yet acted on the OEHHA's proposed change. If these changes are not in place by the time aqueous ammonia is scheduled to be brought onsite, Reliant will coordinate with the San Bernardino County Hazardous Materials Management Unit and provide them with a CalARP Program document if required.

3.9.2.1 Hazard Analysis

The onsite storage and handling of the ammonia creates the possibility of an accidental spill and release of aqueous ammonia, which would evaporate and present a potential offsite public exposure. To further evaluate the potential for significant adverse environmental impacts due to an accidental release of aqueous ammonia, various scenarios were evaluated that could occur during the onsite storage, transportation and transfer of ammonia. These scenarios and their consequences are discussed in detail below.

3.9.2.2 Transportation Release Scenario

Reliant plans to receive ammonia from an ammonia supplier located in La Mirada approximately 38 miles southwest of the Etiwanda Generating Station. Deliveries of aqueous ammonia solution would be made to the facility by tanker truck via public roads. The maximum capacity of a tanker truck is 6,000-gallons. Based on the onsite storage capacity and consumption of ammonia, delivery frequency from the supplier to the Etiwanda facility would be six to eight tanker trucks per month. Regulations for the transport of hazardous materials by Public Highway are described in 49 Code of Federal Regulations 173 and 177.

Although trucking of aqueous ammonia and other hazardous materials is regulated for safety by the U.S. Department of Transportation, there is a small probability that a tanker truck could be involved in an accident spilling its contents. This probability can be estimated based on historical statistics. Truck accident rates are approximately 8.7 million miles (Risk of Upset Evaluation, Unocal San Francisco Refinery, ENSR 1994). Assuming 96 deliveries of 38 miles per year, the expected number of accidents would be one per 2,385 years. The risk of accident can be minimized by ensuring that a safe route is used and the shipments are made during off-peak times. The likelihood of any release in an accident is one in ten and of a major release, on in forty (ENSR 1994).

The expected major release frequency is one per 95,400 years. In the unlikely event that the tanker truck would rupture and release the entire 6,000 gallons of aqueous ammonia the ammonia solution would have to pool and spread out over a flat surface in order to create sufficient evaporation to produce a significant vapor cloud. For a road accident,

the roads are usually graded and channeled to prevent water accumulation and a spill would be channeled to a low spot or drainage system, which would limit the surface area of the spill and the subsequent toxic emissions. Additionally, the roadside surfaces may not be paved and may absorb some of the spill. Without this pooling effect on an impervious surface the spilled ammonia would not evaporate into a toxic cloud and impact residences or other sensitive receptors in the area of the spill. To further reduce potential risk of exposure, Reliant will ensure transportation of ammonia to the facility uses a route that provides the minimum expose to sensitive populations and that shipments are made during off-peak times to minimize risk by implementing the following mitigation measures:

- Prior to the first delivery of aqueous ammonia to the site, a truck haul route map shall be submitted to the SCAQMD for review and approval.
- The haul route shall minimize rail crossings and crossing of busy intersections.
- When traveling on surface streets, the haul route shall not come within one-quarter mile of an existing or proposed school.
- Deliveries shall not be en route to the site between 7:00 AM and 9:00 AM or between 4:00 PM and 6:00 PM weekdays.
- The haul route shall be resubmitted if suppliers are changed.

Based on the improbability of an ammonia tanker truck accident with a major release, its potential severity if it did occur, and the incorporation of mitigation measures, the conclusion of this analysis is that potential impacts due to accidental release of ammonia during transportation are less than significant.

3.9.2.3 Ammonia Transfer Release Scenario

This analysis was conducted to evaluate the impact of a worse-case tanker truck release on an impervious flat surface which spreads to a thickness on one centimeter (USEPA worst-case assumption). This scenario was assumed to occur at the Etiwanda facility.

The atmospheric dispersion of the ammonia emissions were calculated using the RMP*Comp™ (v 1.06) dispersion modeling program (developed by the EPA and the National Oceanic and Atmospheric NOAA)). The surface roughness used in the RMP*Comp™ modeling was "urban" (many obstacles in the immediate area), as there are structures and equipment over 25 feet high surrounding the modeled release point. An "urban" roughness indicated there are many obstacles where the spill has occurred, increasing mixing effects as the plume moves around the objects. Wind speed was assumed to be 1.5 meters/second and a Stability Class of F was used.

The vapors were assumed to disperse until a concentration of 200 ppm was attained. This toxic exposure endpoint comes from Emergency Response Planning Guidelines (ERPG)

Level II and was selected by the USEPA and the SCAQMD as their significance criterion. The ERPG Level II is defined as follows:

> "The maximum airborne concentration below which it is believed that nearly all individuals could be exposed for up to one hour without experiencing or developing irreversible or other serious health effects or symptoms which could impair an individual's ability to take protective action."

The distance to the 200-ppm endpoint for this scenario was calculated to be 0.40 miles or 640 meters. The nearest sensitive receptor is a metal manufacturing facility located 0.25 miles or 400 meters north of the ammonia storage area. In order to reduce the off-site impact of this scenario to less than significant, Reliant will construct a containment dike to contain the entire volume of a tanker truck release. This containment area would be built near the ammonia storage tanks and used during off loading operations. This is also the northern most location that the tanker truck would travel with a full load and therefore the point of greatest exposure to the sensitive receptor. To evaluate the impacts of a release with mitigation, a 6,000-gallon tanker truck spill to a 300 square foot containment with a height of 3 feet was modeled. The exact dimensions of the containment have not yet been designed, but the actual containment would be designed to contain a spill so that the impacted area would be equal to or less than the impact area modeled for these estimated containment dimensions. The distance to the 200-ppm endpoint for this scenario was calculated to be 0.20 miles or 300 meters. The modeled worst-case release of aqueous ammonia from a tanker truck to a containment dike does not impact any sensitive receptors and therefore results in an less than significant impact with mitigation incorporated.

3.9.2.4 Ammonia Tank Rupture (Onsite) Scenario

This release scenario calculated the toxic impact from a spill of 10,000-gallons of 20 percent aqueous ammonia into a containment dike sized to hold the tank contents plus an additional 10 percent. The atmospheric dispersion of the ammonia emissions were calculated using the same methods as in the ammonia transfer release scenario. The distance to the 200-ppm endpoint for a confined release is 0.1 miles or 200 meters. The modeled worst-case release of aqueous ammonia from a catastrophic failure of one of the onsite ammonia storage tanks does not impact any sensitive receptors and therefore results in an less than significant impact with mitigation incorporated.

It should be noted that the upsets that were modeled are not likely to occur and were very conservatively based on USEPA RMP worst-case assumptions.

The proposed project site in not located within one-quarter of a mile of an existing or proposed school. In addition to the construction of containment, Reliant is prepared to implement a mitigation measure where the haul route of the tanker truck would be such that proximity to schools during transportation of aqueous ammonia would be minimized.

The proposed project will not be located on a site which is included on a list of hazardous materials sites compiled pursuant to Government Code Section 65962.5 nor is it located within two miles of a public or public use airport.

The proposed project is expected to have less than a significant hazards impact concerning the impairing of or physically interfering with adopted emergency response plan or emergency evaluation plans. Procedures for emergency response are provided to all Etiwanda Generating Station employees along with training guidelines in the use of personal protective equipment. These procedures and guidelines will be updated as necessary to account for the installation of new equipment. All construction and operation personnel associated with the proposed project would receive safety-training in accordance with procedures and guidelines. Additionally, the proposed project sites are located in an urban area and would not impact wildlands.

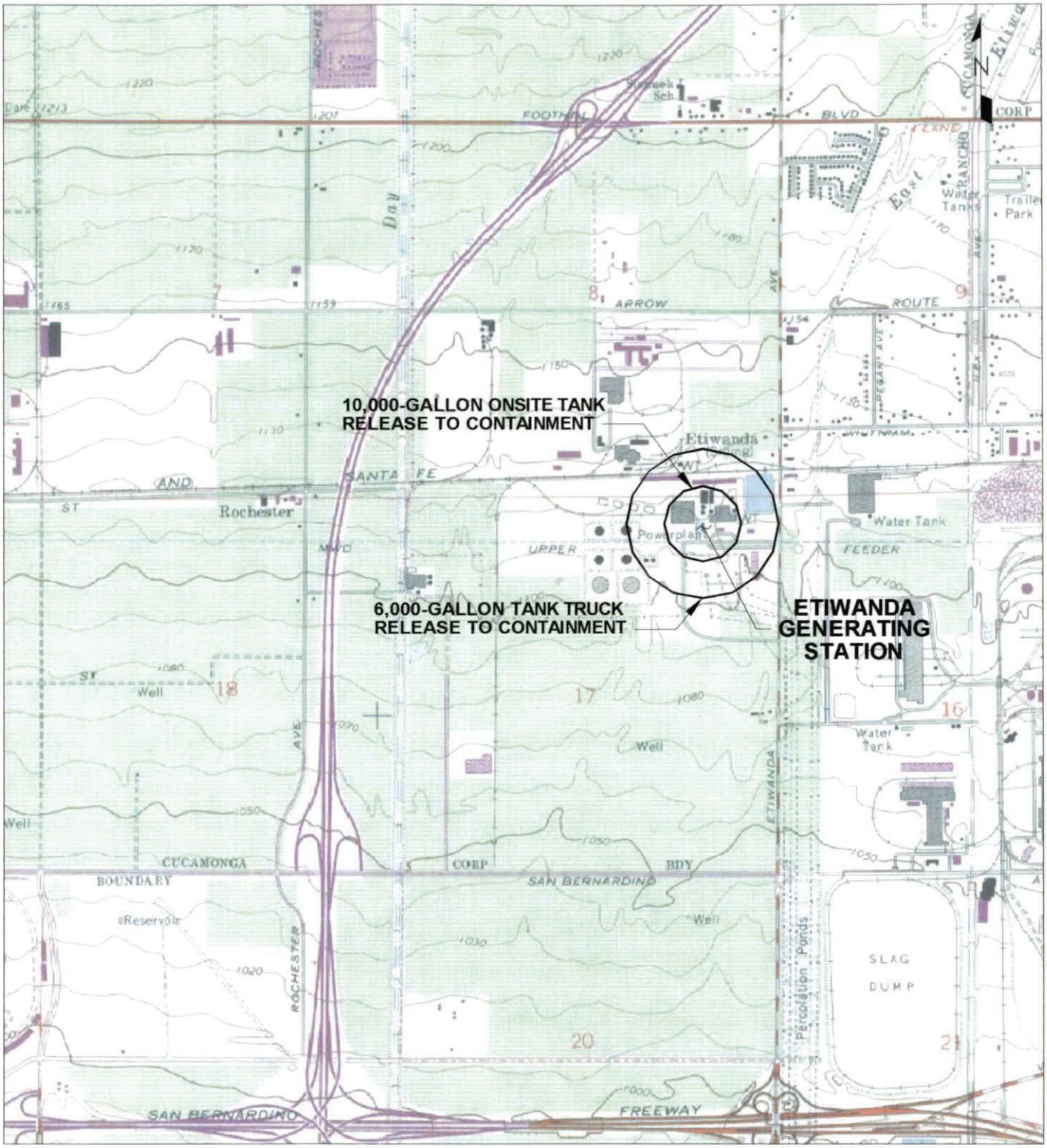
3.9.3 Mitigation Measures

HHM-1 – Reliant will use a transportation route for ammonia shipments to the facility that ensures minimum expose to sensitive populations and will further minimize risks by shipping ammonia during off-peak times. This will be accomplished by implementation of the following mitigation measures:

- Prior to the first delivery of aqueous ammonia to the site, a truck haul route map shall be submitted to the SCAQMD for review and approval.
- The haul route shall minimize rail crossings and crossing of busy intersections.
- When traveling on surface streets, the haul route shall not come within one-quarter mile of an existing or proposed school.
- Deliveries shall not be en route to the site between 7:00 AM and 9:00 AM or between 4:00 PM and 6:00 PM weekdays.
- The haul route shall be resubmitted if suppliers are changed.

HHM-2 As part of the proposed project, Reliant will construct a containment dike to be used during off-loading operations. The containment dike will be sized to contain the entire capacity of a 6,000-gallon tanker truck release.

HHM-3 As part of the proposed project, Reliant will construct a containment dike around the ammonia tanks to contain 110 percent of the volume of the 10,000-gallon ammonia tank.



ENTRIX

FIGURE 6
ZONES OF IMPACT
FOR MODELED RELEASES

Reliant Energy Etiwanda LLC
8996 Etiwanda Avenue
Rancho Cucamonga, CA 91739

PROJ. NO: 418001	CK: JEL	DATE: 1/01

3.10 NOISE

Would the project:	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Exposure of persons to or generation of noise levels in excess of standards established in the local general plan or noise ordinance, or applicable standards of other agencies?	☐	☐	☒	☐
b) Exposure of persons to or generation of excessive groundborne vibration or groundborne noise levels?	☐	☐	☒	☐
c) A substantial permanent increase in ambient noise levels in the project vicinity above levels existing without the project?	☐	☐	☒	☐
d) A substantial temporary or periodic increase in ambient noise levels in the project vicinity above levels existing without the project?	☐	☐	☐	☐
e) For a project located within an airport land use plan or, where such a plan has not been adopted, within two miles of a public airport or public use airport, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒
f) For a project within the vicinity of a private airstrip, would the project expose people residing or working in the project area to excessive noise levels?	☐	☐	☐	☒

3.10.1 ENVIRONMENTAL SETTING

Noise is defined as unwanted or objectionable sound, and airborne sound can be described as a rapid fluctuation of air pressure above and below the atmospheric pressure. Sound magnitude is expressed in decibels (dB) which are logarithmic (power of 10) ratios comparing measured sound pressures to a reference pressure. The unit of measurement of frequency is Hertz (Hz) (defined as one vibration per second). The human ear responds to sounds with frequencies in the range of 20-20,000 Hz. Most of the sounds we hear in the environment do not consist of a single frequency but rather a broad band of frequencies with each differing in sound level. The method commonly used to quantify environmental sounds consists of evaluating all of the frequencies that comprise a sound in accordance with a weighting. The weighting reflects that human hearing is less sensitive at low

frequencies and extreme high frequencies than in the frequency mid-range. This is called A weighting, and the decibel level so measured is called the A-weighting sound level (dBA).

Because noise levels can vary over a given time period, they are further quantified using the Equivalent Sound Level (L_{eq}). The L_{eq} is an average of the time-varying sound energy for a specified time period. Day-Night Sound Level (L_{dn}) is an average of the time-varying sound energy for one 24-hour period, with a 10 decibel (dB) addition to the sound energy for the time period of 22:00 to 07:00 hours. If the sound energy does not vary with time, the L_{dn} level will be equal to the L_{eq} level plus 6.4 dB.

For Rancho Cucamonga, the maximum allowable noise level of land use category "Heavy Industrial" shall not exceed 85 L_{dn} at the property line (City of Rancho Cucamonga Development Code, Chapter 17.30).

3.10.2 Environmental Impacts

3.10.2.1 Construction

Additional equipment and personnel would be present at the Etiwanda Generation Station during the construction phase of the proposed project. Short-term onsite noise would occur during this period. Construction noise sources would principally be cement trucks and the motors of erection cranes. In addition to the actual construction, there would be worker vehicular trips and other truck trips to the site which would occur when bringing supplies for installing the SCR injection equipment.

Construction noise sources will be temporary and will cease following construction activities. The estimated noise level during equipment installation is expected to be an average of about 80 dBA at 50 feet from the center of construction activity. This estimate is based on typical noise levels from construction equipment. The closest noise sensitive receptor is 0.3 miles north-east of the facility. The noise level at the closest residential receptor is not expected to increase during construction activities. Most of the construction noise sources will be located near ground level, so the noise levels are expected to attenuate further than analyzed here. In general, construction activities would occur during daylight hours.

3.10.2.2 Operation

Operational noise will most likely be associated with vaporizers and blowers required to inject the ammonia into the boiler exhaust stream. This may produce a small increase in propagated broad-band (pink) noise energy. The proposed project is expected to have no fundamental effect upon the noise character or levels as measured at the property boundary. The noise level at the property boundary is not expected to increase beyond the presents levels. As mentioned above, the closest residence is approximately 0.3 miles north-east of the facility. Due to the buildings and vegetation between the source of any

potential noise increase and the residence, the propose project is not expected to affect any sensitive noise receptor.

3.10.3 Mitigation Measures

No mitigation measures are required for the proposed project since no significant impacts to noise are expected.

3.11 PUBLIC SERVICES

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
Would the project result in substantial adverse physical impacts associated with the provision of new or physically altered governmental facilities, need for new or physically altered governmental facilities, the construction of which could cause significant environmental impacts, in order to maintain acceptable service ratios, response times or other performance objectives for any of the public services:				
a) Fire protection?	☐	☐	☒	☐
b) Police protection?	☐	☐	☐	☒
c) Schools?	☐	☐	☐	☒
d) Parks?	☐	☐	☐	☒
e) Other public facilities?	☐	☐	☐	☒

3.11.1 ENVIRONMENTAL SETTING

Police protection for the Etiwanda Generating Station is provided by the Rancho Cucamonga Police Department. Fire and emergency services are coordinated by the Rancho Cucamonga Fire Department (Fire Department). The Fire Department has two stations within the city that would respond to all emergencies at the Etiwanda Generating Station. These are located at 11239 Jersey Boulevard and at 12158 Baseline Road. Response time to an emergency at the facility is approximately three minutes.

The Fire Department is well equipped and trained for responding to and dealing with fires, paramedic rescues, and certain types of hazardous materials incidents. In the event that an incident exceeds the scope of the Fire Department capabilities, the local Fire Department contacts the West End Hazardous Materials (Haz Mat) Unit, which is comprised of members from five agencies in the local area. Mutual aid agreements are in effect for this service. Mutual aid occurs at the request of the "Incident Commander". In the event of an incident beyond the scope of the Fire Department, the Incident Commander will determine the nature and extent of the aid to be requested. The aid would be utilized for either emergency mitigation or standby backup.

The Fire Department serves a vital role in transferring information from one emergency response unit to another (e.g., fire, police, California Highway Patrol (CHP), private emergency service or equipment providers, etc.) both prior to and after an accidental release. Emergency response plans and evacuation routes are prepared and coordinated in advance of any emergency by the Fire Department, with development and review of such plans and routes supported by all of the public services involved.

Involvement of Fire Department personnel during a significant hazardous materials incident is typically kept to a minimum unless abatement of the hazards can be accomplished without harmful exposure to fire personnel. Specialized emergency response functions would be made by properly equipped and trained private contractors and /or public agencies such as county or state hazardous materials units. As stated previously, Rancho Cucamonga requests assistance from the West End Hazardous Unit for emergency response during hazardous materials incidents beyond the Fire Department's control.

3.11.2 Environmental Impacts

3.11.2.1 Construction

Construction activities are not expected to result in an increased need for fire response services and compliance with state and local fire codes is expected to minimize the need for additional fire protection services.

Due to the comprehensive nature of emergency response in the Etiwanda area, planning for the transport, storage, and use of aqueous ammonia will have only a small incremental impact on fire services. A revised emergency response plan will be submitted to the Fire Department prior to bringing ammonia onsite.

3.11.2.2 Operation

There would be no increase in the number of employees at the Etiwanda Generating Station due to operation of the proposed project. Therefore, this project would not affect the demand for additional parks, maintenance of public facilities, nor would it create an increase in demand for additional public facilities.

3.11.3 Mitigation Measures

No mitigation measures are required for the construction/operation of the proposed project since no significant impacts to public services are expected.

3.12 SOLID & HAZARDOUS WASTES

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
Would the proposal result in a need for new systems, or substantial alterations to the following:				
a) Substantially increase the amount or volume of solid or hazardous waste generated?	☐	☐	☐	☒
b) Result in a need for new systems, or substantial alterations to existing solid or hazardous waste disposal facilities?	☐	☐	☐	☒

3.12.1 ENVIRONMENTAL SETTING

The Resource Conservation and Recovery Act (42 U.S.C §6901 et seq.) (RCRA) sets forth standards for the management of hazardous solid wastes. RCRA allows the USEPA to delegate its administration to the various states if and when a state program is shown to be at least equivalent to the federal requirements. California received RCRA authorization on August 1, 1992. California Code of Regulations (CCR) Title 22, §66260 et seq. contains the RCRA-equivalent regulations governing hazardous waste management in California. In addition, the California Health and Safety Code, §25100 et seq., identifies California-specific requirements for the identification and management of non-RCRA hazardous wastes. CCR Title 14, Section 17020 et seq., sets forth the minimum standards for the management of solid wastes, as well as enforcement and administration provisions for solid waste storage and disposal.

There are currently three Class I (hazardous waste) landfills located in California. Chemical Waste Management Corporation in Kettleman City is a permitted treatment, storage, and disposal facility with a capacity of 13 million cubic yards. Safety Kleen operates a Class I facility in Button Willow with a permitted capacity of 13 million cubic yards, of which 2.5 million cubic yards has been filled. Landfill disposal is also available for the Safety Kleen facility located in Westmoreland. In addition, hazardous waste can be transported to permitted facilities outside California.

3.12.2 ENVIRONMENTAL IMPACTS

Small volumes of non-hazardous wastes will be generated during project construction. The demolition/construction debris and operations waste would be disposed at either a Class II (industrial) or Class III (municipal) landfill. These small volumes would not be expected Substantially increase the amount or volume of solid or hazardous waste currently generated at the facility or result in a need for new solid or hazardous waste disposal facilities.

Project operations will generate small quantities of hazardous wastes, including cleaning solvent and spent SCR catalyst. The solvents are used in small quantities for equipment cleaning and the spent solvents will be managed per the requirements of Title 22 §§ 66260 et seq., which includes storing the material in closed containers within secondary containment. The SCR catalyst normally has a life of three to five years before replacement and will be sent for recycle when spent.

3.12.3 Mitigation Measures

The impacts of the proposed project on solid and hazardous waste facilities are less than significant, therefore no mitigation measures are required.

3.13 AESTHETICS

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
Would the proposal:				
a) Have a substantial adverse effect on a scenic vista?	☐	☐	☐	☒
b) Substantially damage scenic resources, including, but not limited to, trees, rock outcroppings, and historic buildings within a state scenic highway?	☐	☐	☐	☒
c) Substantially degrade the existing visual character or quality of the site and its surroundings?	☐	☐	☐	☒
d) Create a new source of substantial light or glare which would adversely affect day or nighttime views in the area?	☐	☐	☐	☒

3.13.1 ENVIRONMENTAL SETTING

The Etiwanda Generating Station is located on a 64-acre site within the City of Rancho Cucamonga, in the West Valley region of San Bernardino County. The visual character of the station vicinity is defined primarily by the area's flat topography and the industrial uses located north, east, and south of the generating station. Views to the north, east, and south reflect these industrial uses, mixed with some commercial development and undeveloped vacant lands. To the west, agricultural uses are visible in the foreground. Background views are dominated by the San Gabriel Mountains north of the generating station.

The Etiwanda Generating Station occupies a flat site surrounded by undeveloped vacant land to the south and east; agricultural fields to the west; and industrial development to the south, east, and north. The tanks at the southern end of the property are highly visible from the southwest and east. A tall earthen berm along Sixth Street obscures views of the generating station from that roadway. The generating units and four adjacent stacks are painted shades of beige to minimize visual contrast with surrounding areas. Black bands are visible at the tops of the stacks. The site is enclosed by a chain-link fence, with a landscaped area, berm, and trees screening views of the facility from Etiwanda Avenue.

3.13.1.1 Visual Sensitivity and Key Observation Points

The Etiwanda Generating Station is located in a primarily industrial area of Rancho Cucamonga. Few sensitive receptors are present nearby. No scenic routes are identified within the vicinity of the Etiwanda Generating Station; however, the generating station is visible from adjacent roadways. Consequently, the above parameters would apply

primarily to travelers on major transportation corridors, such as Interstate-10 to the south. Commuters and other travelers on this freeway and nearby streets are assumed to have moderate concern for scenic quality.

3.13.2 Environmental Impacts

The installation of the two SCR units is proposed within existing mechanical equipment and will not result in a substantial visual alteration of the facility. The new equipment on the ground and within the existing boilers will not be visible from the surrounding properties and will not have a substantial effect on a scenic vista, a scenic resource, and will not create new light sources. The proposed project will be built within the existing fenceline of the Etiwanda Generating facility and would not create a negative aesthetic effect.

3.13.3 Mitigation Measures

The impacts of the proposed project on aesthetics are less than significant so no mitigation measures are required.

3.14 CULTURAL RESOURCES

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
Would the proposal:				
a) Cause a substantial adverse change in the significance of a historical resource as defined in §15064.5?	☐	☐	☐	☒
b) Cause a substantial adverse change in the significance of an archaeological resource pursuant to §15064.5?	☐	☐	☐	☒
c) Directly or indirectly destroy a unique paleontological resource or site or unique geologic feature?	☐	☐	☐	☒
d) Disturb any human remains, including those interred outside of formal cemeteries?	☐	☐	☐	☒

3.14.1 ENVIRONMENTAL SETTING

Archaeological Resources. The following information is taken from an archaeological records search (CAI-SBCM 1996) and other published information as cited.

No archaeological survey of the Etiwanda ETPC Facility property has been conducted. Systematic surveys within 1 mile of the facility site include the following:

- Owen (1995) surveyed a short pipeline leading to the facility.
- Hogan (1992) monitored a pipeline corridor that traverses the east edge of the facility.
- Hampson, Schmidt, and Schmidt (1991), and McKenna (1993) surveyed a pipeline route that runs north and south, and west of the facility.
- Bouscaren and Swanson (1989), and Swanson (1990) surveyed a 27-acre site immediately south of the facility.
- Swanson (1987) surveyed a fairly large area farther south of the facility.
- Clevenger (1988) surveyed a fairly large area north of the facility.
- Chace and Bricker (1994) surveyed an area along Foothill Boulevard, north of the facility.
- White (1988) surveyed a small area nearly 1 mile northwest of the facility.

- Landis (1993) surveyed a small area nearly 1 mile north of the facility.
- Mason (1985) surveyed a corridor northeast of the facility.
- Sturm, Monk, and Strudwick (1995) surveyed the Kaiser Steel Mill (located 1 mile southeast of the facility) and evaluated the property for National Register eligibility.
- Swope (1992) surveyed an area southeast of the facility.

Known archaeological sites within 1 mile of the Etiwanda facility include the following:

- **CA-SBR-7099H**, an early 20th century fired-clay sewer line, is located nearly 1 mile north of the facility.
- **CA-SBR-7199H**, an early 20th century residential site, is located nearly 1 mile northeast of the facility.

Although the Etiwanda facility has not been surveyed for cultural resources, the extent of survey in the surrounding vicinity indicates a low probability of prehistoric archaeological materials being present (none have been found nearby).

Ethnographic Resources. Documentation of Kumivit settlements is sparse and unreliable; the more recent summaries of Gabrielino ethnography (e.g., Bean and Smith 1978) have refused to speculate on locations of pre-contact villages. The closest known village site to the Etiwanda facility is *Kukamongna* (after which Cucamonga is named) (Johnston 1962), which may have been located archaeologically several miles west (see Martz 1976). Gabrielino people living in the Los Angeles area are known to have concerns about archaeological sites within their traditional territory, especially village sites where human burials are likely.

Historic Resources. Important properties in the area relate to transportation and industry (wineries and steel). A number of known historic structures are located within a 1-mile radius of the Etiwanda facility. These include:

- **CA-SBR-2910H,** is U.S. Route 66 (Foothill Boulevard), is located nearly 1 mile north of the facility.
- **P1084-57H,** a structure associated with the Cucamonga Top Winery (now the Guidera Winery), is approximately 0.75 mile north of the facility.
- **P1084-23H,** ruins of the early 20th century Campenella residence, is located approximately 0.75 mile north of the facility.
- **P1084-52H,** several structures associated with the Etiwanda Grape Products Company, is located approximately 0.25 mile south of the facility.

- **CA-SBR-4131H**, the Kaiser Steel Mill site, was built during World War II and is 0.5 mile and more east of the facility. It is one of the largest steel production mills west of the Mississippi and was designated as a California Point of Historical Interest in 1975. The site has recently been evaluated for the National Register (Sturm, Monk, and Strudwick 1995) (CAI-SBCM 1996).

In addition, the California Archaeological Inventory, San Bernardino County Museum, has indicated that:

a) Numbers of standing structures of varying historical significance occur within the area,

b) Based on old maps, historical archaeological remains are likely within the area, especially along Rochester Avenue west of the facility, and

c) A number of historic structures are known, but not mapped, in a north-south-trending corridor immediately east of the facility (CAI-SBCM 1996).

The Etiwanda Generating Station is not considered historic (less than 50 years old).

Paleontological Resources. No record search was conducted for fossil findings in the vicinity of the Etiwanda facility.

3.14.2 Environmental Impacts

The proposed project would be constructed within an existing power facility, on a site that is already graded and developed. The proposed project will not result in any adverse changes in the significance of historical resources. There will not be a substantial adverse change in the significance of an archaeological resource. The proposed project will not directly or indirectly destroy a unique paleontological resource or site or unique geologic feature. There will also be no disruption of human remains. There will be no cultural impact associated with the proposed project.

3.14.3 Mitigation Measures

The impacts of the proposed project on cultural resources are less than significant, therefore no mitigation measures are required.

3.15 RECREATION

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
Would the project:				
a) Would the project increase the use of existing neighborhood and regional parks or other recreational facilities such that substantial physical deterioration of the facility would occur or be accelerated?	☐	☐	☐	☒
b) Does the project include recreational facilities or require the construction or expansion of recreational facilities which might have an adverse physical effect on the environment?	☐	☐	☐	☒

3.15.1 ENVIRONMENTAL SETTING

This recreation setting is based on the City of Rancho Cucamonga General Plan (City of Rancho Cucamonga 1981). The Etiwanda Generating Station is located in San Bernardino County, in the southeastern edge of the City of Rancho Cucamonga within the city limits.

The City of Rancho Cucamonga currently has 300 acres of parkland, of which 165 acres have been developed.

Recreation facilities in the vicinity of the Etiwanda Generating Station are as follows:

- Red Hill Community Park,
- Bear Gulch Park,
- Church Street Park,
- Coyote Canyon Park,
- Groves Park,
- Hermosa Park,
- Lions Park,
- Old Town Park,
- Spruce Avenue Park,

- West Greenway Park,
- Windrows Park,
- Vintage Park,
- Kenyon Park,
- Ranch Cucamonga Neighborhood Center, and
- Lions Park Community Center.

In addition, the city has an extensive right-of-way along flood control channels for trail purposes (e.g., bicycling, hiking, and equestrian) that are located in the northern portion of the city away from the station site.

There is limited open space in the vicinity of the Etiwanda facility. Directly north of the site is a narrow strip of utility corridor. The northern portion of the city has more extensive open space areas that are not in the vicinity of the generating station.

The City of Rancho Cucamonga has adopted a parkland standard of 5 acres per 1,000 population.

The City of Rancho Cucamonga must increase its facilities by 57% to achieve the adopted standard.

The city is in the development phase of Rancho Cucamonga Central Park, which will be located approximately 2 miles from the generating station. This park will serve a wide variety of recreational interests. It will include a sports complex and provide parkland and open space. Rancho Cucamonga is also aggressively pursuing a reduction of its deficiency in recreational facilities.

3.15.2 Environmental Impacts

The proposed project will not result in any use increase of existing neighborhood and regional parks such that physical deterioration would occur or be accelerated. The proposed project does not require construction or expansion of recreational facilities or new employment. There will be no impact to recreational facilities associated with the proposed project.

3.15.3 Mitigation Measures

The proposed project in not expected to have significant impacts on recreation therefore, no mitigation measures are required.

3.16 MANDATORY FINDINGS OF SIGNIFICANCE

	Potentially Significant Impact	Less-Than-Significant With Mitigation Incorporated	Less-Than-Significant Impact	No Impact
a) Does the project have the potential to degrade the quality of the environment, substantially reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal, or eliminate important examples of the major periods of California history or prehistory?	☐	☒	☐	☐
b) Does the project have impacts that are individually limited, but cumulatively considerable? ("Cumulatively considerable" means that the incremental effects of a project are considerable when viewed in connection with the effects of past projects, the effects of other current projects, and the effects of probable future projects.)	☐	☐	☐	☒
c) Does the project have environmental effects which will cause substantial adverse effects on human beings, either directly or indirectly?	☐	☒	☐	☒

The purpose of the project is to improve air quality through the reduction of NO_x emissions from Unit No. 3 and Unit No. 4. All aspects of this pollution control project will be located within an existing power plant facility. The project would not reduce the habitat of a fish or wildlife species, cause a fish or wildlife population to drop below self-sustaining levels, threaten to eliminate a plant or animal community, reduce the number or restrict the range of a rare or endangered plant or animal. No important examples of history or prehistory would be affected.

The transportation, storage, and use of aqueous ammonia for this project has potentially significant impacts to the environment and humans in the event of an accidental release. The project will include mitigation measures that reduce the probability of an accidental release and reduce the impacts of a release if one were to occur. As detailed in the hazards section with mitigation incorporated, the use, transportation and storage of aqueous ammonia impacts of the project are reduced to less than significant.

The project will be cumulatively beneficial to air quality on the region by substantially reducing NO_x emissions from Units No. 3 and Unit No. 4. The project will not result in

cumulatively considerable adverse impacts due to the short duration of construction and the beneficial air quality impacts during operation.

No impacts to aesthetics, agricultural resources, cultural resources, land use and planning, mineral resources, population and housing, public services, and recreation are expected as a result of the project.

Barrows, A. G., P. J. Irvine, and S. S. Tan. 1995. Geologic surface effects triggered by the Northridge earthquake. In M. C. Woods and W. R. Seiple (eds.), The Northridge, California, earthquake of 17 January 1994, pp. 65-88. (Special Publication 116.) California Department of Conservation, Division of Mines and Geology; Sacramento, CA. Bean, L. J., and C. R. Smith. 1978. Gabrielino. Pages 538-549 in R. F. Heizer (ed.), Handbook of North American Indians, Volume 8, California Smithsonian Institution. Washington, D.C.

Benchley, D. L., and G. F. Athey. Assessment of Research and Development (R&D) Needs in Ammonia Safety and Environmental Control. Richland, WA: Pacific Northwest Laboratories, September, 1981.

Bortugno, E. J., and T. E. Spittler. 1986. Geologic map of the San Bernardino quadrangle, California, 1:250,000. California Department of Conservation, Division of Mines and Geology. Sacramento, CA.

Bouscaren, S. J., and M. T. Swanson. 1989. Cultural resources survey of the 27-acre proposed Chino Basin Municipal Water District (CBMWD) Regional Plant No. 4 in the City of Cucamonga, California. Prepared by Research Associates for Higman Doehle. California Archaeological Inventory, San Bernardino County Museum, Manuscript No. 1061894.

Bryant, W. A. 1988. Recently active traces of the Newport-Inglewood fault zone, Los Angeles and Orange Counties, California. (DMG Open-File Report 88-14.) California Department of Conservation, Division of Mines and Geology. Sacramento, CA.

CAI-SBCM. 1996. Archaeological records search. July-August. California Archaeological Inventory, San Bernardino County Museum, Redlands CA.

California Department of Finance. 1996. Demographic Research Unit - County Population and Housing Estimates for January 1, 1996 - Electronic database. Sacramento, CA.

California Department of Fish and Game. 1992. Annual report on the status of California state listed threatened and endangered animals and plants. Sacramento, CA.

_____. 1996. California Natural Diversity Data Base. Electronic search for information on special-status biological resources in the vicinity of the project facilities. Sacramento, CA.

City of Rancho Cucamonga. 1986. Industrial area specific plan. Amended through 1994. Rancho Cucamonga, CA.

_____. 1981. General plan for the City of Rancho Cucamonga, California. Amended 1989. Rancho Cucamonga, CA.

City of Redondo Beach. 2000. Initial Environmental Study No. 00-14. Project Title: AES Redondo Beach Generating Station Selective Catalytic Reduction (SCR) Installation Project.

City of Huntington Beach. 2000. Environmental Checklist Form City of Huntington Beach Planning Department Environmental Assessment No. 00-09. Project title: AES Power Generation Facility (Selective Catalytic Reduction Units).

Chace, P. G., and L. W. Bricker. 1994. Historic property clearance report for the Foothill Boulevard widening in the City of Fontana, San Bernardino County, California. Prepared by the Keith Companies for the Redevelopment Agency of Fontana. California Archaeological Inventory, San Bernardino County Museum, Manuscript No. 1063000.

Clark, S. H., Jr., H. G. Greene, and M. P. Kennedy. 1985. Identifying potentially active faults and unstable slopes offshore. In J. I. Ziony (ed.), Evaluating earthquake hazards in the Los Angeles region - an earth science perspective, pps. 347-374. (United States Geological Survey Professional Paper 1360.) U.S. Geological Survey. Menlo Park, CA.

Clevenger, J. M. 1988. Cultural resource survey of the Etiwanda pipeline and power plant and alternatives, San Bernardino County, California. Prepared by WESTEC Services for the Metropolitan Water District of Southern California. California Archaeological Inventory, San Bernardino County Museum, Manuscript No. 1062286.

Davis, J. F., J. H. Bennett, G. A. Borchardt, J. E. Kahle, S. J. Rice, and M. A. Silva. 1982. Earthquake planning scenario for a magnitude 8.3 earthquake on the San Andreas fault in Southern California. (Division of Mines and Geology Special Publication 60.) California Department of Conservation, Division of Mines and Geology. Sacramento, CA.

Department of Finance Website. http://www.dof.ca.gov

Edwards, R. D., D. F. Rabey, and R. W. Kover. 1970. Soil survey of the Ventura area, California. USDA, Soil Conservation Service, in cooperation with the University of California Agricultural Experiment Station. National Cooperative Soil Survey. Washington, DC.

Entrix, Inc. 1996. Technical Resources Document Background Environmental Information for the Proposed Divestiture of Edison Gas-Fired Generation Plants.

Eschenroeder, A., et al. A Preliminary Screening Study of Potential Health Risks of Selective Catalytic Reduction Systems Applied to Gas Turbine Cogeneration Plants. Lincoln, MA: Alanova, Inc., 1988.

Fuller, D. R. 1981. Overview of Holocene depositional history. In R. W. Sherburne, D. R. Fuller, J. Weidenheft Cole, R. B. Greenwood, C. R. Real, and H. A. Mumm (eds.), Classification and mapping of Quaternary sedimentary deposits for purposes of seismic zonation, south coastal Los Angeles Basin, Orange County, California, pp. 2.1-2.6. Division of Mines and Geology Open-File Report 81-10. California Department of Conservation, Division of Mines and Geology. Sacramento, CA.

Greenwood, R. B. 1981. Differential settlement susceptibility. In R. W. Sherburne, D. R. Fuller, J. Weidenheft Cole, R. B. Greenwood, C. R. Real, and H. A. Mumm (eds.), Classification and mapping of Quaternary sedimentary deposits for purposes of seismic zonation, south coastal Los Angeles Basin, Orange County, California, pp. 3.i-3.55. Division of Mines and Geology Open-File Report 81-10. California Department of Conservation, Division of Mines and Geology. Sacramento, CA.

Hart, E. W. 1994. Fault rupture hazard zones in California. (Special Publication 42.) California Department of Conservation, Division of Mines and Geology. Sacramento, CA.

Hampson, R. P., J. J. Schmidt, and J. A. Schmidt. 1991. Cultural resource investigation: Cajon pipeline project. Prepared by Greenwood and Associates for EIP Associates. California Archaeological Inventory, San Bernardino County Museum, Manuscript No. 1062795.

Hogan, M. 1992. Archaeological monitoring report: Metropolitan Water District Etiwanda pipeline, City of Rancho Cucamonga, San Bernardino County, California. Prepared by University of California at Riverside Archaeological Research Unit for Advanco Constructors. California Archaeological Inventory, San Bernardino County Museum, Manuscript No. 1062501. Jennings, C. W. 1962. Geologic map of California, Long Beach sheet. California Department of Conservation, Division of Mines and Geology. Sacramento, CA.

Jennings, C. W. 1994. Fault activity map of California and adjacent areas. California Department of Conservation, Division of Mines and Geology. Sacramento, CA.

Jennings, C. W., and R. G. Strand. 1969. Geologic map of California, Los Angeles sheet. California Department of Conservation, Division of Mines and Geology. Sacramento, CA.

Johnston, B. E. 1962. California's Gabrielino Indians. Southwest Museum, Los Angeles, CA.

Lacroix, Paul. Safety & Environmental Specialist. Southern California Edison, Etiwanda Generation Station, Etiwanda, CA. December, 2000 – pers comm.

Landis, D. G. 1993. A cultural resources survey for the Chino Basin groundwater storage program, San Bernardino County, California. Prepared by Greenwood and Associates for the Metropolitan Water District. California Archaeological Inventory, San Bernardino County Museum, Manuscript No. 1062851.

McKenna, J. A.. 1993. Cultural resources investigations, site inventory, and evaluations: the Cajon pipeline corridor, Los Angeles and San Bernardino Counties. Prepared by McKenna et al. for EIP Associates. California Archaeological Inventory, San Bernardino County Museum, Manuscript No. 1062796.

Martz, P. 1976. Description and evaluation of cultural resources: Cucamonga, Demens, Deer, and Hillside Creek Channels, San Bernardino and Riverside Counties, California. Report prepared for the U.S. Army Corps of Engineers, Contract DACW09-76-C-0011. Los Angeles, CA.

Mason, R. D. 1985. Cultural resource report for the Etiwanda pipeline and power plant environmental impact report. Prepared by Scientific Resources Surveys for the Metropolitan Water District. California Archaeological Inventory, San Bernardino County Museum, Manuscript No. 1061501.

Mualchin, L. and A. L. Jones. 1992. Peak acceleration from maximum credible earthquakes in California (rock and stiff soil sites). (Division of Mines and Geology Open-File Report 92-1.) California Department of Conservation, Division of Mines and Geology. Sacramento, CA.

South Coast Air Quality Management District. 1980. A climatological-air quality profile: California South Coast Air Basin. November. Diamond Bar, CA.

South Coast Air Quality Management District. 1993. CEQA Air Quality Handbook. Diamond Bar, CA.

South Coast Air Quality Management District. 1994. Draft Subsequent Environmental Impact Report: Aqueous Ammonia Storage and Selective Catalytic Reduction System (Unit No. 3 and Unit No. 4) at Etiwanda Generating Station.

South Coast Air Quality Management District. 2000. Initial Study for: Proposed AES Alamitos, LLC – Selective Catalytic Reduction (SCR) Installation Project (Units 1,2,3, and 4)

South Coast Air Quality Management District. 2000. Draft Initial Study for the Draft Environmental Impact Report for: Los Angeles Department of Water and Power's Installation of Five Combustion Turbines at the Harbor Generating Station, Three Selective Catalytic Reduction Systems at the Scattergood Generating Station, and the Installation of one Combustion Turbine at the Valley Generating Station.

Sturm, B. L., J. Monk, and I. H. Strudwick. 1995. Cultural resources survey and national register assessment of the Kaiser Steel Mill for the California Speedway Project, Fontana, CA. Prepared by LSA for Speedway Development Corporation. California Archaeological Inventory, San Bernardino County Museum, Manuscript No. 1063063.

Swanson, M. T. 1987. Cultural resources survey of a proposed 120-acre adult pre-trial detention facility, Rancho Cucamonga, San Bernardino County, California. Prepared by Research Associates, for Converse Environmental Consultants. California Archaeological Inventory, San Bernardino County Museum, Manuscript No. 1061746.

Swope, K. K. 1992. Archaeological investigations on approximately 240 acres, mining and reclamation, Kaiser Mill site, Fontana, San Bernardino County, CUP W130-97, as shown on the Guasti 7.5' Quadrangle. Prepared by Research Associates for Fourth Street Rock Crusher. California Archaeological Inventory, San Bernardino County Museum, Manuscript No. 1062660.

Tugel, A. J., and G. A. Woodruff. 1986. Soil survey of San Bernardino County, California, Mojave River area. USDA Soil Conservation Service, in cooperation with the University of California Agriculture Experiment Station. National Cooperative Soil Survey. Washington, DC.

U.S. Environmental Protection Agency. 1996. Risk Management Plan Offsite Consequence Analysis Guidance.

Wachtell, J. K. 1978. Soil survey of Orange County and western part of Riverside County, California. USDA Soil Conservation Service and Forest Service, in cooperation with the University of California Agricultural Experiment Station. National Cooperative Soil Survey. Washington, DC.

Wills, C. J., P. Wong, and E. W. Hart. 1990. Index to fault evaluation reports prepared 1976-1989 under the Alquist-Priolo Special Studies Zones Act. (Open-File Report 90-9.) California Department of Conservation, Division of Mines and Geology. Pleasant Hill, CA.

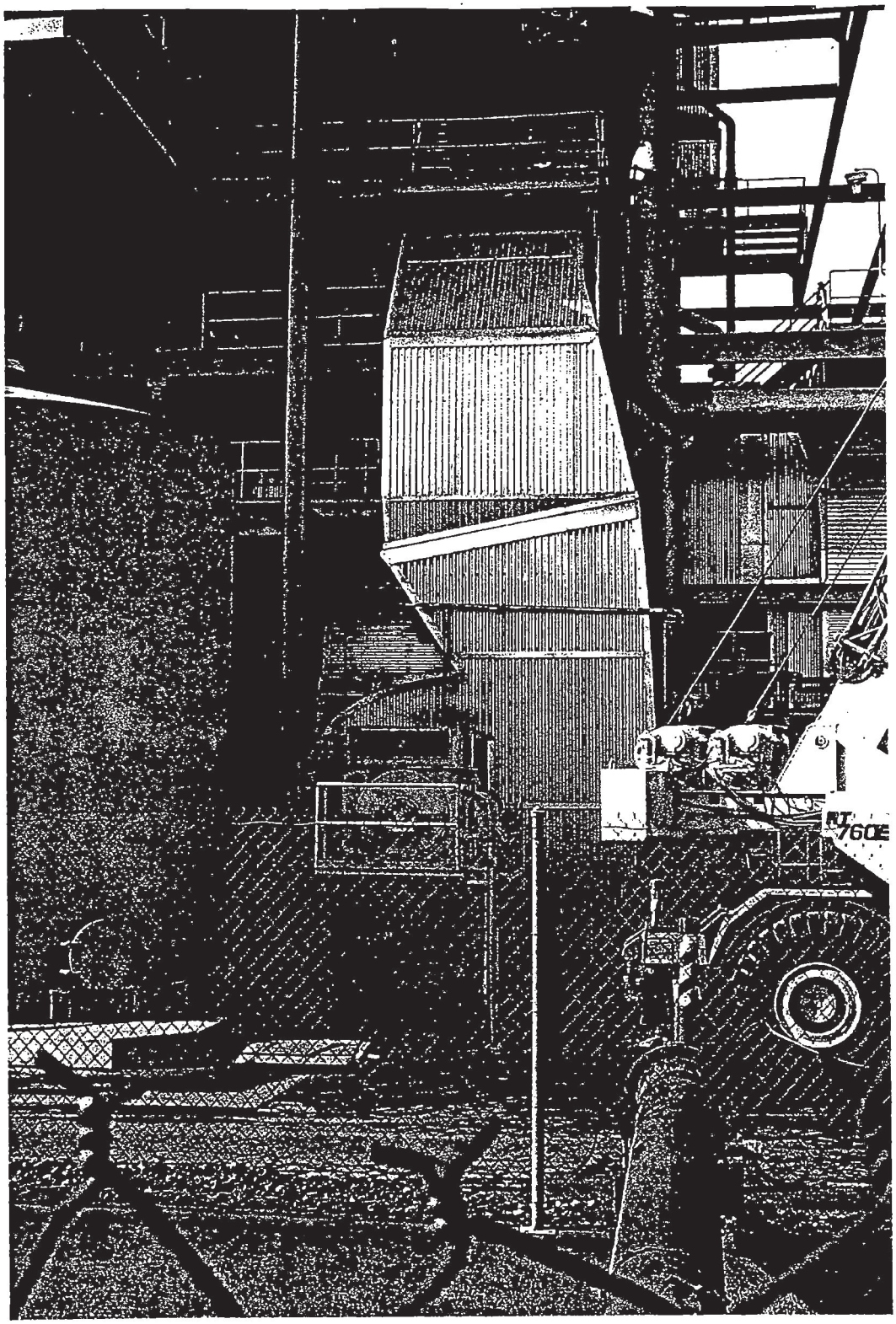
Woodruff, G. A. 1980. Soil survey of San Bernardino County, southwestern part, California. USDA Soil Conservation Service, in cooperation with the University of California Agriculture Experiment Station. National Cooperative Soil Survey. Washington, D. C.

Working Group on Earthquake Probabilities. 1995. Seismic hazards in Southern California: probable earthquakes, 1994-2024. Bulletin of the Seismological Society of America 85(2):379-439.

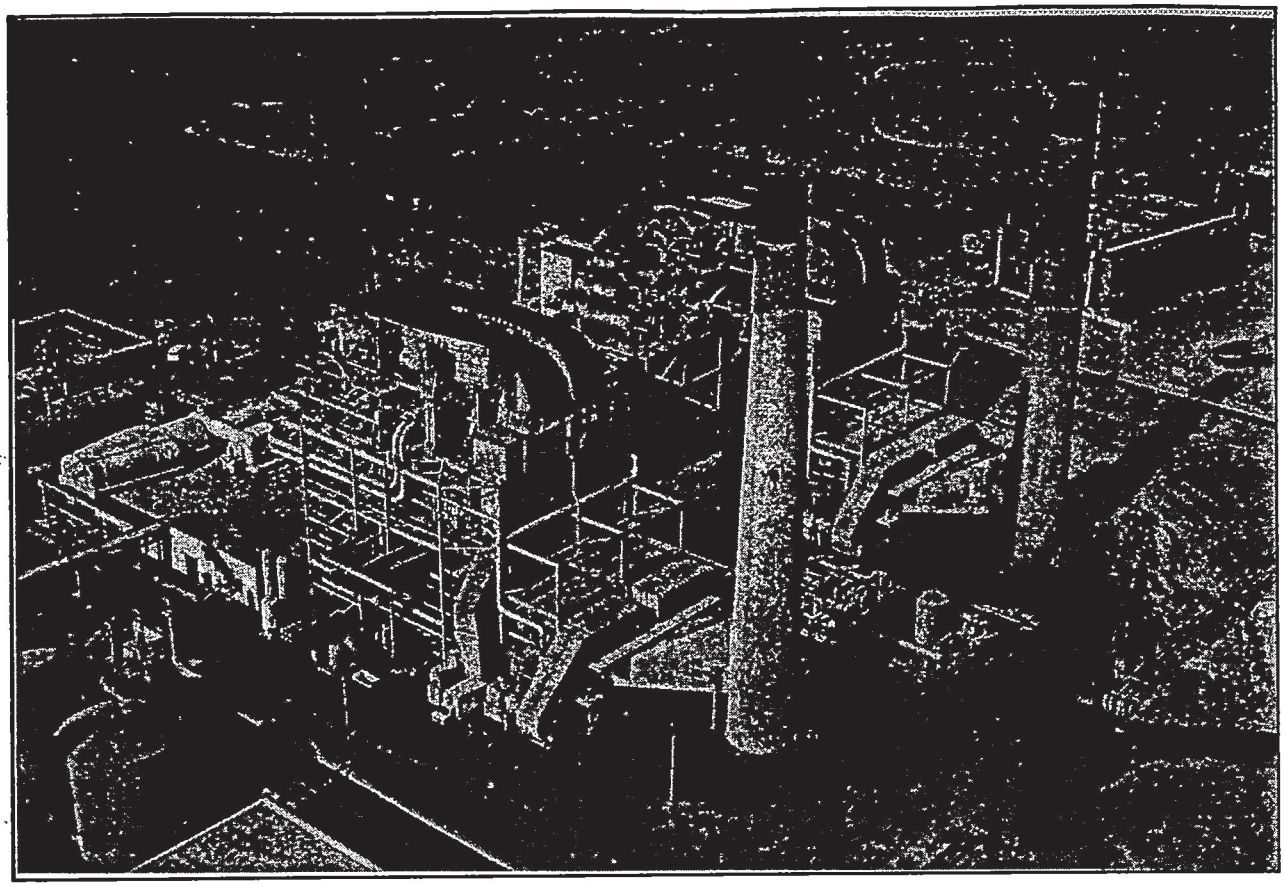
White, D. R. M. 1988. Cultural resources inventory for the proposed Rochester Substation, San Bernardino County, California. Southern California Edison Company. Rosemead, CA. California Archaeological Inventory, San Bernardino County Museum, Manuscript No. 1062175.

APPENDIX A

PHOTOGRAPHS OF PROJECT SITE AND SURROUNDING LAND USE



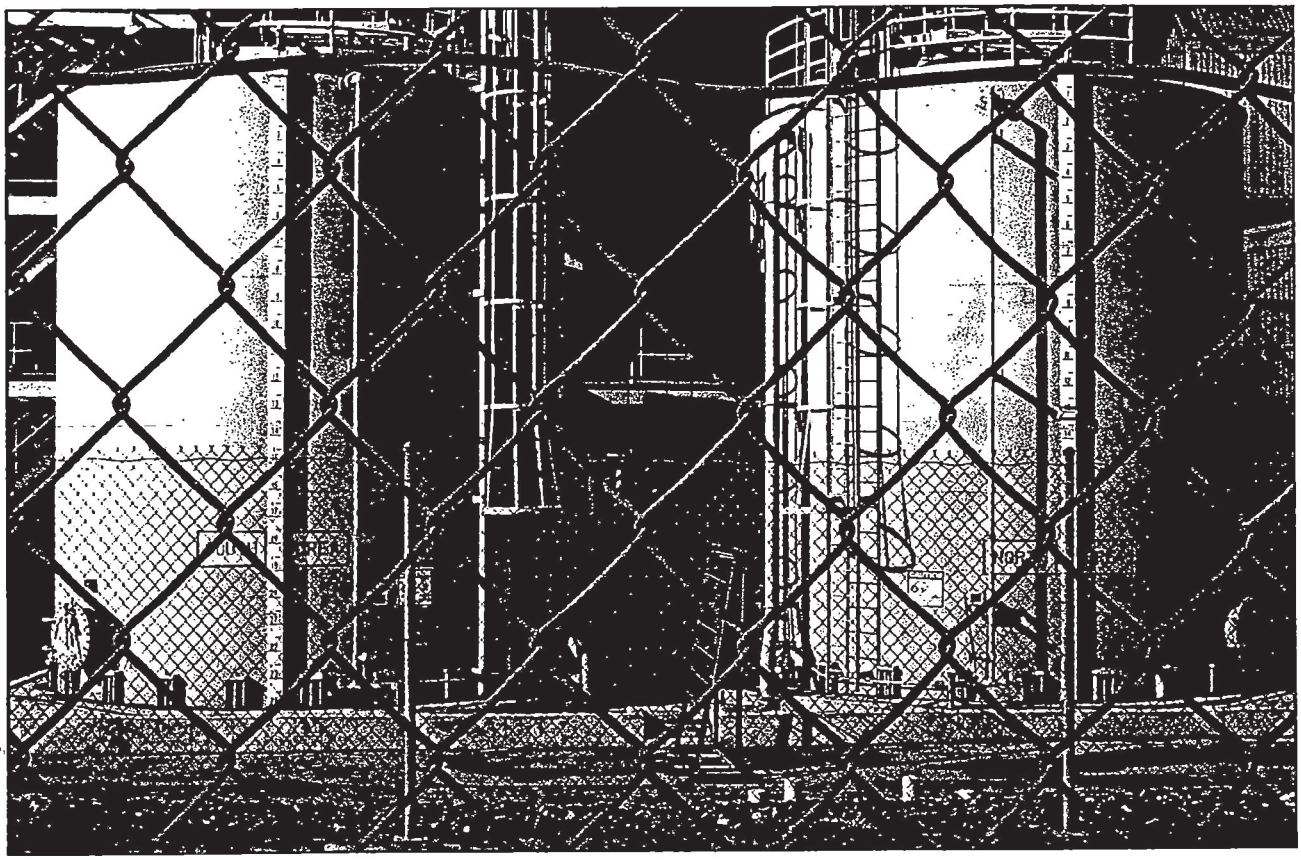
Ducting View and Location of Catalyst Installation



Aerial View of Units 3 & 4 of Etiwanda Generating Station



View to the North East



Location of Proposed Aqueous Ammonia Storage Tanks

(existing tanks to be removed)

APPENDIX B

HAZARD INDEX CALCULATIONS

HAZARD INDEX CALCULATIONS

Hazard Index (Chronic) Calculation

Description of Equipment: ammonia slip	SCRs with ≤ 10 ppmdv
Operating Schedule:	> 12 hrs/day
Emission Type:	point source
Stack Height:	99 feet
Distance to Nearest Residential or Sensitive Receptor:	600 meters
Distance to Nearest Off-site Worker Receptor:	115 meters
Nearest AQMD Meteorological Station:	Fontana
X/Qyr (based on deemed complete date of 11/17/00) =	1.99[(ug/m^3)/(tons/yr)]

MET = 1.19

REL chronic = 200

MP = 1

Annual Average NH_3 Emissions Boiler #3 (capacity factor = 0.42):

115,632 lbs/yr (0.42)(1 ton/2000 lbs) = 24.3 tons/yr

Annual Average NH_3 Emissions Boiler #4 (capacity factor = 054):

115,632 lbs/yr (0.54)(1 ton/2000 lbs) = 31.2 tons/yr

Chronic Hazard Index (HIC) Boiler #3 = (24.3)(1.99)(1.19)(1)/(200) = 0.288

Chronic Hazard Index (HIC) Boiler #4 = (31.2)(1.99)(1.19)(1)/(200) = 0.369

Since the HIC for each boiler is less than 1, no further analysis is required.

Hazard Index (Acute) Calculations

Description of Equipment: ammonia slip	SCRs with ≤ 10 ppmdv
Operating Schedule:	> 12 hrs/day
Emission Type:	point source
Stack Height:	99 feet

Hazard Index (Acute) Calculations (cont.)

Distance to Nearest Residential or Sensitive Receptor:	600 meters
Distance to Nearest Off-site Worker Receptor:	115 meters
Nearest AQMD Meteorological Station:	Fontana
X/Qhr (based on deemed complete date of 11/17/00) =	88.64[(ug/m^3)/(yr/yr)]

AF = 1

REL acute = 3,200

Maximum Hourly Emissions (each boiler) = 13.2 lbs/hr

Acute Hazard Index (HIA) (each = (13.2)(88.64)/(3,200) = 0.366

Since the HIA for each boiler is less than 1, no further analysis is required.

RELIANT ENERGY

NO_X REDUCTION PROJECT

ETIWANDA
UNITS 1 & 2

CONSTRUCTION SPECIFICATIONS

URS CORPORATION AMERICAS

New Orleans, Louisiana

October 2002

RELIANT ENERGY
NO_X REDUCTION PROJECT
ETIWANDA
UNITS 1 & 2
CONSTRUCTION SPECIFICATIONS

TABLE OF CONTENTS

TITLE	SPEC. NO.	REV. NO.
Specification for Selective Catalytic Reduction System Construction Scope	45267-012-P001	0
Specification for Electrical and Instrumentation Construction	45267-34-500	0
Specification for Instrument Inspection, Calibration and Test Procedures	45267-34-503	0
Specification for Electrical Inspection and Test Procedures	45267-20-504	0
Piping Specifications	45267-012-M003	0
Piping Line List		
Piping Tie-In List		
Drawing Register		

URS

SPECIFICATION

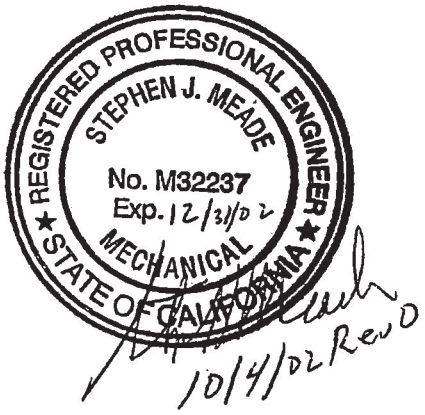
FOR

SELECTIVE CATALYTIC REDUCTION SYSTEM CONSTRUCTION SCOPE

Reliant Etiwanda
Unit 1 & 2 NO_X Control Project

URS CORPORATION AMERICAS

New Orleans, Louisiana



URS Job No.:45267-012
URS Specification No.: 45267-012-P001
Rev. 0

September 2002

URS

SPECIFICATION

FOR

SELECTIVE CATALYTIC REDUCTION SYSTEM CONSTRUCTION SCOPE

THIS PAGE IS A RECORD OF ALL DOCUMENTATION REVISIONS. ONLY THE NEW OR REVISED PAGES ARE NORMALLY ISSUED EACH TIME THE DOCUMENT IS CHANGED.

THE NATURE OF THE REVISION IS NOTED UNDER REMARKS, BUT THESE REMARKS ARE NOT A PART OF THE DOCUMENT. THE REVISED PAGES BECOME PART OF THE ORIGINAL DOCUMENT AND SHALL BE COMPLIED WITH IN THEIR ENTIRETY.

REV	DATE	BY	CKD	APP	PAGES	REMARKS
0	9/30/02	SJM	TAL		ALL	ISSUED FOR BID

SPECIFICATION
FOR
SELECTIVE CATALYTIC REDUCTION SYSTEMM
CONSTRUCTION SCOPE

TABLE OF CONTENTS

1.0 DESCRIPTION AND GENERAL SCOPE

2.0 REFERENCE CODES, STANDARDS AND SPECIFICATIONS

3.0 SCOPE OF WORK

4.0 GENERAL REQUIREMENTS

5.0 SCHEDULE

6.0 TESTING, STARTUP AND COMMISSIONING

7.0 QUALITY CONTROL AND TEST DATA

8.0 CONTRACTOR FURNISHED EQUIPMENT, SUBMITTALS

URS

SPECIFICATION
FOR
SELECTIVE CATALYTIC REDUCTION SYSTEM
CONSTRUCTION SCOPE

1.0 DESCRIPTION & GENERAL SCOPE

1.1 Definitions

Construction Manager (CM)	Reliant Energy Co.
Contractor (CC)	The construction organization that will carry out the site construction or other work as detailed in this specification. The "Contractor" is fully responsible for his subcontractors and sub vendors, in accepting the agreed to terms of this document.

1.2 Description

The Etiwanda Power Plant consists of five electric generating units. The Etiwanda Power Plant Units 1 and 2 are peaking electrical generating units that will be started and stopped daily. This project is to retrofit Units 1 and 2 with Selective Catalytic Reduction (SCR) exhaust systems. The SCR system is located in the exhausts of the units and is designed to reduce the unit's NOx emissions. These units are natural gas fired 132 MW Combustion Engineering (CE) tangentially-fired boilers. Combustion air is supplied by two forced-draft (FD) fans that discharge into windboxes on the east and west sides of each boiler. A regenerative air heater, located downstream of each FD fan, preheats the combustion air to a temperature of approximately 525°F with the 610 °F economizer exhaust gases. The boiler's furnace is maintained at a slightly negative pressure by two induced-draft (ID) fans located downstream of the air heaters. The SCR reactors will be installed in the flue gas path between the boiler (economizer) exit and the regenerative air preheaters where the temperature during normal operation is about 610°F. The maximum SCR design temperature is 700°F.

Each unit will be retrofitted with two SCR systems. One in each of the two existing exhaust ducts between the units economizer and air preheaters. The specified pieces of equipment are designated as SCR-1E, SCR-1W, SCR-2E, and SCR-2W.

The plant's ability to meet acceptable performance and reliability standards depends on the Contractor's complying with referenced codes, drawings, specifications, manufacturer's installation and workmanship standards.

1.3 General Scope

1.3.1 The Contractor shall furnish and install all concrete, steel, piping and electrical material as required and install mechanical equipment provided by the Owner for a complete and operable power plant SCR system. The Contractor shall furnish and install the systems in compliance with the Engineer's drawings, equipment manufacturer's drawings and instruction manuals, Federal, State and local codes, all pertinent specifications and specific installation instructions for erection contained herein or attached.

1.3.2 The installation of each system shall be completed and tested by the Contractor, with specified tests witnessed by the Owner's representatives, in accordance with the schedule defined for this contract.

2.0 REFERENCE CODES, STANDARDS AND SPECIFICATIONS

2.1 Unless specified elsewhere, all systems shall be installed and tested in accordance with the applicable sections of the latest listed editions of the listed standards and codes below, in effect at the time of purchase order award.

ANSI - American National Standards Institute
AWS - American Welding Standards
ASME - American Society of Mechanical Engineers
ASTM - American Society for Testing and Materials
NFPA - National Fire Protection Association, (including NEC-1999)
OSHA - Occupational Safety and Health Administration
UL - Underwriters Laboratories
FM - Factory Mutual

2.2 It shall be the Contractor's responsibility to be knowledgeable of the requirements of the above standards and codes. Any changes or alterations to the equipment or installation methods to make it meet standards and code requirements shall be at the expense of the Contractor.

2.3 Whenever equipment furnished by the Contractor cannot fully meet the requirements of the specification, such exceptions must be clearly stated in

writing to the Owner at the time of bid. No exceptions are allowed unless approved by the Owner in writing.

2.4 Any additional costs incurred due to material supplied by the Contractor that is improperly fabricated or detailed, so that its installation in the field requires extra work, and/or site visits by a Manufacturers' representative, shall be the responsibility of the Contractor. The Contractor shall pay the entire cost of corrections of shop errors, the replacement of incorrectly fabricated parts and the costs of any subsequent site visit(s) that may be required by a Manufacturers' representative.

2.5 Whenever the Contractor wants an exception to requirements of this Specification for equipment, design, fabrication or installation, those exceptions must be approved in advance by the Project Manager in writing. There will be no deviation from the Engineer's design without the Engineer's documented authorization

2.6 Where the requirements of this Specification document conflict with the other contract documents, then the more stringent requirement will apply unless excepted by the Project Manager in writing. Any other conflicts or ambiguity among the listed standards and this specification and attachments shall be referred to the Project Manager for resolution.

2.7 Structural steel connections shall be designed in accordance with the requirements provided on the construction drawings.

3.0 SCOPE OF WORK

3.1 The Contractor is responsible for procurement of all general construction materials not provided by the Owner.

3.2. The Contractor shall receive, assemble, install all material and equipment, both Owner and Contractor furnished, as required in this Specification. The installation of the equipment shall be per manufacturer's recommended procedures.

3.1 Equipment and Piping Supplied by Owner:

3.3.1 Four SCR Reactors and Transition Ducts

3.3.2 Four sets of 25 Haldor Topsoe DENOX reduction catalyst modules

3.3.3 Four Cooling air blowers.

3.3.4 12,000 gallon Aqueous Ammonia Storage Vessel

3.3.5 Two Aqueous Ammonia pumps

3.3.6 Electrical and Instrumentation Equipment (See Section 3.11)

3.3.7 Eight rectangular duct expansion joints

3.4 Equipment Installation

The Contractor shall install this equipment in accordance with the construction drawings and this specification.

3.5 SCR and Reactors and Transition Ducts Insulation.

High temperature ductwork shall be provided with a thermal insulation system consisting of:

3.5.1 6" x 6" x 10 gauge welded wire fabric to the outside face of ductwork and SCR stiffeners

3.5.2 Inner layer of needled glass mat insulation @ 1" thick with a density of 11 lbs/cu ft. in accordance with ASTM C-612

3.5.3 2 layers of mineral fiber block and board thermal insulation, each 2.5 inches thick with a density of 8 lbs/cu ft. in accordance with ASTM C-612. The two layer application will have staggered joints per layer.

3.5.4 Insulation shall be fastened to the road mesh with 10 gauge J hooks on 12 inch centers. Steel 10 gauge pins shall be welded on all duct reinforcing steel. 10 gauge minimum steel flat bar shall be attached to the pins for lagging support.

3.5.5 Lagging on the duct sidewalls and bottoms shall be 4" pitch x 1" deep 0.032" thick ribbed aluminum, Type 3004, stucco embossed conforming to ASTM B209, fastened with self tapping sheet metal screws with neoprene washers.

3.5.6 Roof / walking surfaces shall be 4" pitch x 1" deep ribbed x 16 gauge aluminized steel. (Subgirt-1.5 inches x 1.5 inches x 1/8" angle iron, A36 steel. Subgirt spacing shall be 12" nominal on roof/walking surfaces) Flashing shall be fabricated from .050" thick flat aluminum sheets, type 3004, stucco embossed, conforming to ASTM B209.

Contractor shall submit insulation and lagging installation details and product description of the following material to URS based on the guidelines above:

- Subgirt
- Standoffs
- Inner Panel
- Insulation
- Metal Lath
- Insulation Retaining Hooks
- Insulation Retaining Pins
- Retaining Clips
- Lagging
- Flashing
- Flue Stops
- Structural Screws and washers
- Closure Strips
- Caulking
- Insulation Thermal Performance Verification
- Insulation typical installation details

The use of asbestos or ceramic fibers or any insulating materials containing asbestos or ceramic fibers will not be acceptable in any insulation work associated with this equipment.

3.6 Piping, Valves and In-Line Instrumentation

3.6.1 Contractor shall supply and install all plant piping, valves and instrumentation shown on the drawings in accordance with the attached Piping Material Specification 45267-012-M003.

The following is a summary of piping installation work:

3.6.1.1 Aqueous Ammonia Storage system piping

3.6.6.2 Aqueous Ammonia injection piping

3.6.6.3 Cooling Air ducting and piping

3.6.6.4 Atomizing air piping and tie-ins to existing equipment.

3.6.6.5 Water piping relocation.

3.6.6.6 Safety showers and eye wash station

3.6.6.7 Instrument Air piping

3.6.6.8 Potable water piping.

3.7 Earthwork

Perform excavations, backfill, and compaction, in accordance with the notes on the drawings. Contractor to haul excavated material not intended to be used as backfill to a location determined by the CM.

The following is a summary of required earthwork:

3.7.1 Installation of foundations, trenches, and drainage tie-ins, in the Ammonia Storage Area. Also exploration pits necessary to locate existing utilities and piping.

3.7.2 Installation of foundations for the Ammonia Injection Grid platform and equipment, within Units 1 and 2.

3.8 Drainage

Provide piping materials and trench covers in accordance with the drawings.

3.9 Concrete

Provide reinforced concrete placement and testing in accordance with the notes on the drawings.

The following is a summary of concrete installation work:

3.9.1 Foundations for the piperack in the Ammonia Storage Area.

3.9.2 Area paving and drainage trenches in the Ammonia Storage Area.

3.9.3 Containment area for the Ammonia Storage Tank.

3.9.4 Foundations for the Ammonia Injection Grid platform within Units 1 and 2.

3.9.5 Foundations for the new blowers.

3.10 Structural Steel

The contractor is responsible for providing, installing, and coating all fabricated steel in accordance with the notes on the drawings.

The following is a summary of structural steel installation work:

3.10.1 Access platform, stiles and stairs in the Ammonia Storage Area.

3.10.2 Structural steel to support four (4) SCR reactors including slide plates and insulated bearing plates.

3.10.3 Structural steel cable tray supports in Units 1 and 2.

3.10.4 New support steel for two (2) NO_x Analyzer Buildings.

3.10.5 Two (2) new access platforms for the Ammonia Injection Grid.

3.10.6 Two (2) SCR equipment access platforms.

3.10.7 Modifications to two (2) existing platforms north of the air preheaters.

3.10.8 Three (3) turning vanes inside the existing duct work for four (4) units.

3.10.9 Support steel for the new ammonia injection nozzles inside the existing duct work for four (4) units.

3.10.10 New vehicle guard posts.

3.11 Electrical and Instrumentation (E&I)

The Electrical and Instrumentation Contractor's Scope is defined in this document, and on the drawings listed in the electrical and instrumentation drawing registers.

3.11.1 E&I Materials and Equipment Furnished by Owner.

3.11.1.1 Owner shall furnish in addition to the previously identified mechanical equipment, the following electrical equipment and instrumentation: Motor Control Center MCC-SCR; all instrumentation except for test instruments required for calibration; all equipment marked as existing on the drawings;

analyzer buildings; analyzers; analyzer sample probes; analyzer sample tubing umbilicals; and analyzer sample probe 4pr#20 shielded cable.

3.11.1.2 The MCC will be shipped to the site with installed breakers, starters, transformer, terminals, and internal wiring.

3.11.1.3 Two analyzer buildings (one for Unit 1 and the other for Unit 2) will be shipped to the site with installed analyzers, HVAC, power panels, internal wiring, internal tubing, lights, and receptacles.

3.11.1.4 The MCC's and Analyzer Systems will be tested before shipment to the site.

3.11.1.5 Owner shall furnish breaker for Section 303 of the existing 480V reserve switchgear.

3.11.1.6 Owner shall furnish UPS and UPS circuit breakers.

3.11.2 E&I Materials and Equipment Furnished by the Contractor.

3.11.2.1 The Contractor shall furnish equipment, materials and consumables necessary for a complete electrical and instrumentation system except for that shown existing or by Owner on the drawings and this Specification.

3.11.2.2 The Contractor furnished items include, but are not limited to, wire, cable, cable connectors, conduit, conduit fittings, cable tray, cable tray fittings, raceway supports, DCS Interface Junction Boxes IJB-SCR1 and IJB-SCR2, miscellaneous junction boxes, terminals, terminal accessories, wire and cable markers, supports, calibration, and test instruments, light fixtures, grounding material, tubing, tube fittings, nameplates, and all other materials and consumables necessary for a complete electrical and instrumentation system.

3.11.3 General Electrical and Instrumentation Scope

3.11.3.1 Electrical and Instrumentation Construction shall be in accordance with this Specification, the Contract Drawings and URS Electrical and Instrumentation Construction Specification No. 45267-34-500.

3.11.3.2 Contractor shall test, inspect and calibrate the instrumentation system in accordance with URS Instrument Inspection, Calibration and Test Procedure Specification No. 45267-34-503.

3.11.3.3 Contractor shall test and inspect the electrical system in accordance with URS Electrical Inspection and Test Procedures, Specification No. 45267-20-504.

3.11.4 Scope Related to MCC – SCR

3.11.4.1 Contractor shall install, secure and ground Motor Control Center MCC-SCR.

3.11.4.2 Contractor shall install MCC-SCR feeder breaker in Section 303 of the existing 480V reserve switchgear.

3.11.4.3 Contractor shall install conduit and wiring from the 480V reserve switchgear breaker in Section 303 to MCC-SCR, terminating wiring on both ends.

3.11.4.4 Contractor shall install conduit and wiring for power and control from MCC-SCR to Cooling Air Blowers B-100A, B-100B, B-200A, B-200B and Aqueous Ammonia Pumps P-001A and P-001B, terminating wiring on both ends.

3.11.4.5 Contractor shall install analyzer building normal power transformers PP-NEW1 and PP-NEW2.

3.11.4.6 Contractor shall install conduit and wiring from MCC-SCR to transformers PP-NEW-1 and PP-NEW2, terminating wiring on both ends.

3.11.4.7 Contractor shall install conduit and wiring from MCC-SCR to Junction Boxes IJB-SCR1 and ISB-SCR2 for six run status signals, six power available signals, and

six motor run command signals, terminating wiring on both ends.

3.11.5 New and Relocated Lights

3.11.5.1 Contractor shall install four new light fixtures for lighting the platforms at elevation 74'-6".

3.11.5.2 Contractor shall install conduit and wiring from the existing light fixtures to the new light fixtures, terminating wiring at each end.

3.11.5.3 Contractor shall relocate and reinstall two existing light fixtures.

3.11.6 DCS Interface Junction Boxes

3.11.6.1 Contractor shall install terminal blocks and terminal block hardware in DCS Interface Junction Boxes IJB-SCR1 (for Unit 1) and IJB-SCR2 (for Unit 2).

3.11.6.2 Contractor shall install DCS Interface Junction Boxes IJB-SCR1 (for Unit 1) and IJB-SCR2 (for Unit 2).

3.11.7 Thermocouples, Temperature Transmitters and Thermometers (See Instrument Summary for Tag Numbers)

3.11.7.1 Contractor shall install eight thermocouple/thermowell assemblies.

3.11.7.2 Contractor shall install eight temperature transmitters. Four of the transmitters shall be furnished close-couple mounted to associated thermocouple/thermowell assemblies . The other four transmitters shall be remote mounted on instrument supports.

3.11.7.3 Contractor shall run conduit and wire from thermocouples to the remote mounted temperature transmitters, terminating wiring on both ends.

3.11.7.4 Contractor shall run conduit and wire from the temperature transmitters to Junction Boxes IJB-SCR1 and IJB-SCR2, terminating wiring on both ends.

3.11.7.5 Contractor shall install eight thermometer/thermowell assemblies.

3.11.8 Pressure Transmitters and Pressure Gages (See Instrument Summary for Tag Numbers)

3.11.8.1 Contractor shall install nineteen pressure transmitters on instrument supports and shall close-couple mount one pressure transmitter.

3.11.8.2 Contractor shall install conduit and wiring from the pressure transmitters to Junction Boxes IJB-SCR1 and IJB-SCR-2, terminating wiring on both ends.

3.11.8.3 Contractor shall install tubing and fittings from the pressure transmitters to the process root valves.

3.11.8.4 Contractor shall install fourteen pressure gages with associated pipe and bleed valves.

3.11.9 Open/Close Ball Valves (See Instrument Summary for Tag Numbers)

3.11.9.1 Contractor shall install eight automated open/close ball valves.

3.11.9.2 Contractor shall run conduit and wiring from the solenoids and limit switches on the open/close ball valves to Junction Boxes IJB-SCR1 and IJB-SCR2, terminating wiring on both ends.

3.11.9.3 Contractor shall install instrument air tubing from air header to the solenoid valves on the open/close ball valves, connecting tubing on both ends.

3.11.10 Control Valves (See Instrument Summary for Tag Numbers)

3.11.10.1 Contractor shall install four control valves.

3.11.10.2 Contractor shall run conduit and wiring from the control valve positioners to Junction Boxes IJB-SCR1 and IJB-SCR2, terminating wiring on both ends.

3.11.10.3 Contractor shall install instrument air tubing from air headers to the air pressure regulators on the control valves, connecting tubing on both ends.

3.11.11 Coriolis Flow Elements and Coriolis Flow Transmitters (See Instrument Summary for Tag Numbers)

3.11.11.1 Contractor shall install four Coriolis flow elements with integrally mounted Coriolis flow transmitters.

3.11.11.2 Contractor shall run conduit and wiring from breaker panel in MCC-SCR to the Coriolis flow transmitters, terminating wiring on both ends.

3.11.11.3 Contractor shall run conduit and wiring from the Coriolis flow transmitters to Junction Boxes IJB-SCR1 and IJB-SCR2, terminating wiring on both ends.

3.11.12 Ammonia Monitor System (See Instrument Summary for Tag Numbers)

3.11.12.1 Contractor shall install an ammonia monitor system complete with three 4-channel monitors, eight ammonia sensor/transmitters, three horns, three strobe lights and a power distribution junction box.

3.11.12.2 Contractor shall run conduit and wiring from the breaker panel in MCC-SCR to the ammonia monitor power distribution junction box, terminating wiring on both ends.

3.11.12.3 Contractor shall run conduit and wiring from the three ammonia monitors to the ammonia monitor power distribution junction box, terminating wiring on both ends.

3.11.12.4 Contractor shall run conduit and wiring from the ammonia monitor power distribution junction box to the horns and strobe lights, terminating wiring on both ends.

3.11.12.5 Contractor shall run conduit and wiring from the three ammonia monitors to the eight ammonia

sensor/transmitter assemblies, terminating wiring on both ends.

3.11.12.6 Contractor shall run conduit and wiring for a high ammonia alarm from each ammonia monitor to an existing annunciator point, terminating wiring on both ends.

3.11.12.7 Contractor shall run conduit and wiring for a trouble signal from each ammonia monitor to junction box IJB-SCR1 or IJB-SCR2, terminating wiring on both ends.

3.11.13 Analyzers (See Instrument Summary for Tag Numbers)

3.11.13.1 Contractor shall install two $NO_X/0_2$ analyzer buildings (one for each unit) and eight analyzer probes (four for each unit). The buildings and probes shall be installed in accordance with the Contract Drawings and the analyzer vendor's instructions.

3.11.13.2 Contractor shall install conduit and wire from normal power transformer TX-PP-New1 to the Unit 1 analyzer building power panel, terminating wiring on both ends.

3.11.13.3 Contractor shall install conduit and wire from normal power transformer TX-PP-New-2 to the Unit 2 analyzer building power panel, terminating wiring on both ends.

3.11.13.4 Contractor shall install conduit and wire for a UPS panel in each analyzer building from the plant UPS breaker panels, terminating wiring on both ends.

3.11.13.5 Contractor shall install a UPS circuit to each $NO_X/0_2$ analyzer probe from the associated analyzer building, terminating wiring on both ends.

3.11.13.6 Contractor shall install a tubing umbilical from each $NO_X/0_2$ analyzer probe to the associated analyzer building, terminating wiring and connecting tubing on both ends. Each umbilical includes two tubes, one RTD cable and one power cable.

3.11.13.7 Contractor shall install a 4PR#20 cable from each $NO_X/0_2$ analyzer probe from the associated analyzer building, terminating wiring on both ends.

3.11.13.8 Contractor shall install conduit and wire from the Unit 1 analyzer building to IJB-SCR1 and from the Unit 2 analyzer building to IJB-SCR2, terminating wiring on both ends. The signals from each building include one HVAC alarm, 20 analyzer status points, four oxygen signals and four NO_x signals.

3.11.13.9 Contractor shall install instrument air tubing from the air header to each analyzer building, connecting tubing on both ends.

3.11.14 Miscellaneous Instruments Mounted in the Mechanical Piping System (See Instrument Summary for Tag Numbers)

3.11.14.1 Contractor shall install four orifice plates with flanges in accordance with the Contract Drawings.

3.11.14.2 Contract shall install 40 micrometer needle valves in accordance with the Contract Drawings.

3.11.14.3 Contractor shall install five pressure relief valves in accordance with the Contract Drawings.

3.11.14.4 Contractor shall install two vacuum relief valves in accordance with the Contract Drawings.

3.11.14.5 Contractor shall install seven pressure regulators in accordance with the Contract Drawings.

3.11.14.6 Contractor shall install 40 rotameters in accordance with the Contract Drawings.

3.11.15 Miscellaneous Electrical and Instrumentation Scope

3.11.15.1 Contractor shall install conduit and wiring from existing multi-point recorders to Junction Boxes IJB-SCR1 and IJB-SCR2. Six recorder signals will be routed from each junction box for a total of twelve signals.

3.11.15.2 Contractor shall ground equipment as shown on the Contract Drawings and as required by local, state, and national codes.

4.0 GENERAL REQUIREMENTS

4.1 Any construction or installation work not specifically detailed in this specification and the drawings but found necessary for the correct functioning of the associated mechanical systems as defined in this contract, will be the responsibility of the Contractor.

4.2 Contractor Coordination

Contractor shall coordinate their activities with other contractors present at plant site. These contractors will include but not limited to the following activities:

4.3 Contractor Supplied Material

4.3.1 All material supplied by the Contractor shall be provided by manufacturers regularly engaged in the manufacture of such items. The units offered shall be models or series in regular production at the manufacturer's place of business.

4.3.2 All materials and parts comprising the assemblies herein specified shall be new and unused, of current manufacture and free from all defects and imperfections that would adversely affect performance and operating life.

4.3.3 All material and components installed by the Contractor shall be of recent manufacture and design for which replacement parts and services are readily available.

4.4 Arrangement of equipment and structural details shall be as specified and indicated on the drawings or in this Specification.

4.5 As-Built Records

4.5.1 The Contractor shall keep accurate records on their "Master Set" of drawings. The Contractor shall provided upon completion of the project an "AS-BUILT" drawing set which shall include all Project Manager/Construction Manager approved field changes. This set shall also include all information necessary for maintenance and

operation of the mechanical facilities covered in the Specifications. These drawings must show all final piping, equipment locations and any other system modifications. These documents will be available to the CM at all times.

4.5.2 These records shall be turned over to the Owner prior the Contractor's work being officially accepted and must be submitted in a form and content acceptable to the Owner.

4.5.3 As-builts shall reflect the installed design. Changes to the design drawings must be approved by the Project Manager or his designated representative prior to any modification to the installation depicted on the drawings. Unapproved changes are not acceptable.

4.5.4 The marked up "as built" records shall reflect the latest ongoing installation, including all change orders and approved field changes which have been incorporated into the installation by the Contractor. All additions are to be noted in red color and deletions are to be indicated using green color. Marked drawings are to be kept current and shall be available for review at any time by the CM. At the end of the job, they shall be furnished to the Owner as a full set.

4.6 Environmental Data

- Seismic zone: CBC Seismic Zone 4
- Design ambient temperature range: 25° to 115° F
- Site elevation: 1,120 feet above MSL
- Design ambient pressure: 14.13 psig
- Precipitation: 15.42" annual
- Wind load: 100 MPH
- Snow load: Nil

4.7 Unloading, Storage and Handling of Equipment

4.7.1 The equipment furnished by the Owner and the Contractor will be delivered to the plant site where it will be unloaded and stored by the Contractor. At this time, the Contractor shall assume full responsibility for it. The contractor is responsible for tracking all mechanical equipment and related material included in this scope of work once the shipper tums it over to him. The Owner will expect the Contractor to have a standardized system of tracking all materials and equipment to be used by him in the construction process. These records are to be made available to the Owner at any time.

4.7.2 The equipment furnished by the Owner will be shipped with weather and corrosion protection for long-term outdoor storage and with crating, bracing and other provisions to prevent damage during transport and handling. Corrosion protection can be by coating, desiccants, nitrogen packs, etc. Upon receipt of the equipment from the Owner, the Contractor shall assume responsibility for maintaining the integrity of the protection provided and for proper storage of the equipment at the plant site. To maintain warranties, some manufacturers may have specific procedures to maintain their corrosion protection systems. The Contractor must take measures to insure those recommendations are met or he will be liable for the repair or replacement of that equipment affected by his inaction or negligence. This includes but is not limited to, all repair or replacement cost caused by:

- rust or corrosion or other water damage, precipitation or condensation.
- mishandling
- inadequate protection from normal storms and high winds
- vandalism, animal or insect damage or theft

Contractor is also responsible for all the costs of extra site visits required by the Manufacturer's Field Representative to remedy any of these problems.

4.7.3 Small components of the equipment shall be stored in a clean and dry location.

4.7.4 All electrical equipment shall be properly protected from the weather and rising water by the Contractor and approved by the Engineer.

4.7.5 Storage of equipment at the plant site shall be subject to the approval of the CM.

4.8 Equipment Installation

4.8.1 All equipment installation work shall be performed by competent, experienced mechanics satisfactory to the CM.

4.8.2 All work shall be subject to the final approval of the CM.

4.8.3 The CC shall take all necessary measurements to establish the centerline and elevation of the units as called for on the drawings.

4.8.4 Although equipment parts have previously been shop assembled final alignment and adjustment of clearances is the sole responsibility of the CC.

4.8.5 All equipment shall be properly located to line and elevation, as shown on the drawings, and shall be leveled, plumbed and otherwise positioned in accordance with the recommendations of the equipment manufacturer and as specified herein.

4.9 Cleaning of Parts

4.9.1 Before assembly, all parts shall be carefully cleaned of dirt, foreign matter, rust preventative, etc. The Contractor shall be very particular about this matter and in no event shall allow assembly of parts that have not been properly cleaned.

4.9.2 The Contractor shall examine and de-burr all machined surfaces, as required, before assembly.

4.10 Bolt and Nut Torque Requirements

All the bolts and nuts for flanges, connections, etc. on the pumps and other equipment and associated piping shall be securely tightened using properly calibrated torque wrenches. All bolts and nuts shall be tightened uniformly around the flange or connection before the fastening is finally secured. Evidence of torque wrench calibration shall be furnished to the Owner's representative upon receipt.

4.11 Leveling of Parts

4.11.1 Support points of the pumps, motors, and other machinery shall be leveled using steel shims. All anchor bolts shall be tightened securely. The location of steel shims in respect to anchor bolts shall be at the discretion of the Owner's representative, but in general a set of shims shall be placed on each side of each anchor bolt. The Contractor shall furnish all steel shims.

4.11.2 Contractor shall grout all equipment with a sand/cement non-shrink grout with a nominal 1.5 inch thickness. Contractor shall provide Owner with specification sheet on proposed grout for approval prior to installation.

4.12 Alignment

After the installation of the skid modules, the CC shall perform an alignment check of all equipment. The final alignment check shall be conducted after the installation of the suction and discharge piping. Alignment shall be within the recommended tolerances of the equipment manufacturer. Any realignment shall be the responsibility of the Contractor at no additional cost to the Owner.

4.13 Supports for Piping

The Contractor shall provide all necessary supports, brackets and accessories for all equipment and piping. Major supports shall be as shown on the drawings. Minor supports such as straps, hangers, tie rods, and similar items shall be furnished and installed by the Contractor as required to provide permanent, sturdy installations. All bolts, nuts, washers and other fastenings shall be furnished by the Contractor.

4.14 Deviations

4.14.1 The Contractor may offer alternative equipment, materials and procedures in accordance with their own standards, provided that such standards meet all regulatory codes and standards, and that there is a demonstrated advantage in quality, performance, price and/or delivery. All alternate proposals are strictly offerings unless accepted in writing by the Project Manager.

4.14.2 The Contractor shall not begin fabrication or installation until written approval of deviations from these Specifications has been obtained from the Project Manager. Copies of deviation approvals shall be given to inspectors for use during inspections.

4.14.3 If any deviation from these Specifications is discovered without prior written approval, the Contractor shall at his own expense, and at no cost to Owner, make any and all changes that are necessary to meet the requirements of these specifications.

4.15 The Owner will be responsible for the cost, scheduling and coordinating of the manufacturer's field service representative (FSR), if they are required, for startup and commissioning of any particular system. The CC shall provide the necessary dedicated, skilled labor that is deemed necessary by the CM, to assist any FSR so arranged. The costs of this support labor shall be included the Contractor's bid.

5.2.1 This schedule will detail all major work items and shall identify the critical path for completion of the work in order to meet all milestone dates

5.2.2 The Contractor's schedule shall be updated on a bi-weekly basis.

5.2.3 The Contractor shall work with the CM's Project Scheduler to update all items of his work, which are contained within the main project schedule.

5.2.4 The Contractor's weekly schedule shall include manpower loading which compares the projected man-loading for each element with what was proposed in his bid. The Contractor shall make any adjustments to actual construction manpower necessary to meet the project's milestone dates.

6.0 TESTING, STARTUP AND COMMISSIONING

6.1 The Contractor will perform field tests as necessary to insure his installations are proper and in accordance with manufacturer guidelines and the Specification. He shall make the necessary adjustments that are required to demonstrate that systems are correctly installed as defined by this Specification.

This testing shall be done in a manner that allows final testing and commissioning to proceed in an orderly manner in accordance with the schedule.

At the conclusion of testing and start-up, all systems and equipment are to be in satisfactory working order and ready for normal service.

6.2 The Contractor shall furnish personnel, subcontract services and supervision to work under the direction of the CM to fully test and commission all equipment and systems that he has installed or are defined as being in his scope, as part of this Specification.

6.3 The Contractor shall furnish all final test and start-up equipment, including but not limited to calibrated certified instruments, equipment, vehicles, hydrotest water, supplies, and incidentals required in order to facilitate this testing.

6.4 As a minimum, the Contractor shall perform all tests specified in each attached specification and manufacturer's instructions that are required for the

completion of each system. This obligation also includes all re-testing as necessary to produce a complete, functional system.

6.5 The Contractor is also responsible for proper documentation of testing and start-up process and equipment/system results.

6.6 After a system is turned over to the CM, the Contractor will also provide labor and supervision to correct construction discrepancies found during commissioning.

6.7 Test plans and test forms for all equipment and systems shall be submitted to the Owner, for approval, at least one week prior to the start of any tests. All tests shall be incorporated into the mechanical construction schedule at least one month prior to each testing period. All items of equipment shall be run under rated load for a continuous period of not less than four hours, unless otherwise specified herein or directed by the Owner's representative.

6.8 The Contractor's test plan shall include the qualifications of the personnel and subcontractors that he will utilize to conduct the testing. These tests shall be conducted after controls, alarms and instruments have been calibrated and tested, and after the Contractor has cleaned and tested all piping systems and lubricated, adjusted and otherwise prepared all machinery and auxiliaries for operation as specified or recommended by the manufacturer.

6.9 The Contractor shall perform all tests required by the manufacturers or their field service representatives for their respective equipment.

6.10 Electric power required to conduct the tests will be supplied by the Owner. All other costs are the responsibility of the Contractor. The Contractor shall provide all incidentals required for the tests. Such supplies shall be of the kind and quality specified or recommended by the equipment manufacturer and approved by the CM.

6.11 In the event that any defect or unsatisfactory operation is detected during the initial test, the test may be terminated by the CM and the operating test shall be repeated until satisfactory operation is demonstrated to the satisfaction of the CM. Operating personnel for conducting such tests may be provided by the Owner to familiarize Owner operators with the equipment.

6.12 The Contractor shall not, unless authorized in writing by the CM, energize or activate any power or control system.

7.0 QUALITY CONTROL AND TEST DATA

7.1 The Contractor must have a Quality Control Plan in place, which will be submitted for approval to the CM, prior to the start of any construction. This plan will include all mechanical construction activities. The Contractor's designated QC supervisor, whose primary duty is responsibility for all mechanical construction quality control, will have the authority to stop work in the event of non-conformance to these Specifications. This person must be available on site at all times, during the active construction period.

7.2 This QC Plan must have check sheets and "Witness" or "Hold" points as deemed necessary and agreed to by the CM. These documented inspection records for all facets of the mechanical work will be in a formal format suitable for turnover to the Owner upon completion of the accepted work.

7.2.1 "Witness" point or test:

The CM will have the option to be present at any test or construction activity designated as a "Witness" test.

7.2.2 "Hold" point or test:

This test or construction activity cannot proceed until the CM is physically present.

7.3 Coordination of Field Testing

The Contractor shall notify the CM ten working days prior to beginning his testing and checkout program.

7.4 All test data or other field records performed or obtained as part of the manufacturer's requirements, codes and standards, this Specification or as part of a design requirement, are to be kept in this record in a format acceptable to the Owner. The Contractor shall demonstrate to the CM that he has up to date control of all documents used in the field that will become part of the permanent QCP.

7.5 Test all concrete and grout in accordance with the construction drawings.

8.0 CONTRACTOR FURNISHED EQUIPMENT, SUBMITTALS

Note: The Contractor shall follow these requirements unless otherwise directed elsewhere in this contract.

8.1 Submittals

8.1.1 All submittals to the Owner are to clearly indicate:

- The Owner's Contract Number
- Job name and Contractor's project number
- Reason for submission
- A complete clear listing of all documents submitted
- Distribution list to other parties
- The submittal number in sequence with other contractor submittals

8.1.2 The Contractor shall submit to the Project Manager, for approval, the following information for each item of equipment that he will be supplying.

8.1.2.1 General arrangement and approximate outline dimensions or "cut sheet".

8.1.2.2 Product Descriptions.

8.1.2.3 Five (5) sets of prints submitted that are to be folded to 8.5x11 inches.

8.1.2.4 One ACAD 14 version of every drawing submitted, if possible.

8.1.2.5 Testing procedures (if applicable).

8.1.2.6 Certified wiring drawings (if applicable).

8.1.2.7 Calculations when necessary to justify Contractor's equipment selection for sizes, quantities, types, etc.

8.1.2.8 Recommended spare parts list that could be necessary, for the equipment (information) being submitted.

8.1.2.9 Erection and installation plans.

8.2 The following information, if applicable, will be submitted to Owner for approval after Receipt of Order.

8.2.1 All drawings provided by the Contractor for this equipment shall show equipment as specified and ordered. Typical drawings are not acceptable unless they are revised to show only the equipment being furnished. Drawings shall show equipment layout/orientation with dimensions.

8.2.2 Complete piping and structural drawings showing:

- Arrangement and layouts.
- Dimensional plan and elevation.

8.3 The Contractor will allow 10 working days for review of drawings or other engineering documents, plus shipping time, in their schedule.

8.4 Owner's review of engineering data will cover only general conformity of the data to the Specifications and it's related documents, external connections, interfaces with equipment and materials furnished under separate specifications, and dimensions that affect plant arrangements. Owner's review does not relieve the Contractor or their agents, from responsibility for errors or deviations from the requirements of the contract documents unless the Owner has made specific references to that deviation in writing.

SPECIFICATION

FOR

ELECTRICAL AND INSTRUMENTATION CONSTRUCTION

Reliant Etiwanda
Unit 1 & 2 NO_x Control Project

URS CORPORATION AMERICAS

New Orleans, Louisiana



URS Job No.: 45267-012
URS Specification No.: 45267-34-500
Rev. 0

October 2002

URS

SPECIFICATION

FOR

ELECTRICAL AND INSTRUMENTATION CONSTRUCTION

THIS PAGE IS A RECORD OF ALL DOCUMENTATION REVISIONS. ONLY THE NEW OR REVISED PAGES ARE NORMALLY ISSUED EACH TIME THE DOCUMENT IS CHANGED.

THE NATURE OF THE REVISION IS NOTED UNDER REMARKS, BUT THESE REMARKS ARE NOT A PART OF THE DOCUMENT. THE REVISED PAGES BECOME PART OF THE ORIGINAL DOCUMENT AND SHALL BE COMPLIED WITH IN THEIR ENTIRETY.

REV	DATE	BY	CKD	APP	PAGES	REMARKS
0	10/4/02	JJE	JJE for NGM	JRC	ALL	ISSUED FOR BID

URS Specification No.: 45267-34-500
Rev. 0

SPECIFICATION
FOR
ELECTRICAL AND INSTRUMENTATION CONSTRUCTION

TABLE OF CONTENTS

1.0 GENERAL

2.0 SCOPE OF WORK

3.0 ELECTRICAL AND INSTRUMENTATION INSTALLATION

4.0 TESTING/QUALITY CONTROL

5.0 APPLICABLE CODES AND STANDARDS

6.0 DRAWING LIST

URS

SPECIFICATION FOR ELECTRICAL AND INSTRUMENTATION CONSTRUCTION

1.0 GENERAL

1.1 Reliant Etiwanda intends to retrofit two existing generating units with new Selective Catalytic Reduction (SCR) exhaust systems. This specification covers the construction and material procurement necessary to complete all the related electrical and instrumentation construction for the new SCR systems.

2.0 SCOPE OF WORK

2.1 The Electrical and Instrumentation Scope is described in the Mechanical Equipment, Piping, Structural, Electrical and Instrumentation Scope Document, URS Specification No. 45267-012-P001.

3.0 ELECTRICAL AND INSTRUMENTATION INSTALLATION

3.1 Cable Systems

Cable for this project shall meet the following requirements:

3.1.1 600 Volt Power Cable

- Conductors — Copper Class B stranded, annealed, with a tin or lead-alloy coating, minimum No. 12 AWG
- Insulation Material — Ethylene-propylene-rubber (EPR), 90°C
- Jacket Overall — Heavy-duty chlorosulfonated-polyethylene (Hypalon) or chlorinated polyethylene (CPE)
- Voltage — 600 volt

3.1.2 600 Volt Control Cable

- Conductors — Copper Class B stranded, annealed, with a tin or lead-alloy coating, No. 14 AWG
- Insulation Material — Ethylene-propylene-rubber (EPR) or cross linked polyethylene (XLPE), or 90°C

- Jacket Overall — Heavy-duty chlorosulfonated-polyethylene (Hypalon) or chlorinated polyethylene (CPE)
- Voltage — 600 volt
- Wire Colors for Multiconductor Cables — NEMA Standard

3.1.3 Instrument Cable

- Conductors — Copper, stranded
- Insulation Material — ≤ 90°C, fire retardant XLPE

  >90°C, TFW Teflon tape and Kapton tape over the Teflon
- Jacket Overall — Heavy-duty chlorosulfonated-polyethylene (Hypalon) or chlorinated polyethylene (CPE)
- Shield — Each pair individually shielded, overall shield is 1.5 mil aluminum or copper-mylar laminate tape
- Drain Wire — One per pair
- Voltage — 600 volt

3.1.4 Thermocouple Cable

- Conductors — ANSI Type E, chromel-constant an 18 AWG
- Insulation Material — ≤ 90°C, fire retardant XLPE

  >90°C, TFW Teflon tape and Kapton tape over the Teflon
- Jacket Overall — Type R or chlorinated polyethylene
- Shield — Each pair individually shielded, overall shield is aluminum or copper-mylar laminate tape
- Voltage — 300 volt

3.1.5 All of the above cable shall conform to, and equipment tests shall be conducted in accordance with the latest applicable standards of American National Standards Institute (ANSI), Underwriters' Laboratories (UL), the Insulated Cable Engineers Associated (ICEA), the Institute of Electrical and Electronics Engineers (IEEE), and the National Electrical Manufacturer's Association (NEMA), unless otherwise stated herein.

3.1.6 Cables shall be per the NEC and UL listed as Power Limited Tray Cable (Type PLTC). All cables shall meet or exceed flame test requirements of UL 83.

3.1.7 Instrumentation and thermocouple cable shall be twisted-shielded with a minimum twist frequency of 3 inches, or 4 twists per foot.

3.1.8 Cable shall be identified with identification markers at both ends after cables have been permanently routed, positioned and connected.

3.1.9 Contractor shall adhere to the cable manufacturer's recommendations on minimum pulling temperatures and maximum pulling tension. All cable ends shall be sealed from contamination during the pulling operation, and during storage on cable reels.

3.2 Raceway Systems

3.2.1 Splicing of cables in raceway is not an accepted practice and shall not be allowed without prior approval.

3.2.2 A four-way cable segregation system shall be furnished. Medium-voltage power, low-voltage power, control, and instrumentation.

3.2.3 The cable tray system shall be fabricated and installed in accordance with the latest edition of NEMA Standard Publication No. VE-1 – Cable Tray Systems, load/span class designation NEMA Class 12C. The maximum cable fill on cable trays shall be 40% per NPFA 70. Cable trays shall be ladder type aluminum.

3.2.4 Flat cable tray covers shall be installed on all instrument tray and on all power and control tray indoors where the tray passes under grating or open areas where falling debris may damage the cable. Covers on power trays shall be raised covers, if the covered section is over 6 feet long.

3.2.5 Cable trays shall be identified prior to the installation of any cables. Cable trays shall be identified in a distinct, permanent manner with identification numbers at reasonable intervals.

3.2.6 Cable tray systems shall conform to all sections of NEC Article 318.

3.2.7 Cable tray accessories (e.g., nuts, bolts, and clamps) shall be of stainless steel material except where shown otherwise on the Contract Drawings.

3.2.8 Cable trays shall be supported so that deflection is within the Manufacturer's maximum permissible deflection under the Manufacturer's critical maximum load design.

3.2.9 Contractor shall carefully check the cable tray locations shown on the drawings for possible interferences with other equipment, such as steelwork and ducting.

3.2.10 Contractor shall ensure that cable trays do not block accessways or prevent passage of equipment.

3.2.11 Exposed conduits shall be rigid aluminum, field routed, and shall be sized in accordance with NFPA 70.

3.2.12 Junction and pull boxes shall be aluminum except where shown otherwise on the Contract Drawings, with stainless steel hardware and hinges and shall conform to UL Standard UL50.

3.2.13 Minimum size conduit shall be ¾ inch.

3.2.14 All conduits shall be sized in accordance with NEC recommendations and shall be so installed that the required number of conductors can be pulled in without damage to the insulation or excessive strain. All conduit sizes given herein and/or shown on the drawings are minimum sizes.

3.2.15 All bending of conduit shall be done with an approved bending device and any conduit crushed, kinked or deformed in bending shall be rejected. All bends shall be avoided insofar as possible and all unavoidable bends and offsets shall be made with adequate radius. All 90 degree bends in conduit larger than 1.5-inch size shall be long radius elbows.

3.2.16 All exposed conduit shall be plumb and/or run in straight lines, at right angles to or parallel with beams, girders, and columns, and shall be substantially supported by pipe straps or suitable clamps or hangers to provide a rigid installation; in no case shall conduit be fastened to other pipe or installed in such a manner as to prevent the ready removal of other pipes for repairs.

3.2.17 All raceways shall be installed with no sharp edges or corners that may damage the wiring.

3.2.18 Where intermediate supports or framing are required to attach conduit hangers, equipment and similar items to the building frame or structure, they shall be furnished and installed by the Contractor. No conduit or equipment shall be supported from roof decking.

3.2.19 Conduit supports and all metal surfaces touching conduit shall be painted with a zinc chromate primer.

3.2.20 Drawings do not show all conduit fittings. Contractor shall provide the proper type and size fittings required for ease of wire pulling and splicing.

3.2.21 Contractor shall furnish and install all required pull and junction boxes whether shown on the drawings or not. Such additional boxes shall be sized at least one size larger than code requires. See general notes on the Construction Drawings for pull point requirements.

3.3 General Wiring Requirements

3.3.1 Power cable #8 AWG and larger shall have copper conductors, with 90°C, heat, moisture, and flame-resistant ethylene-propylene-rubber (EPR) insulation and Hypalon jacket. The EPR insulation shall meet the physical and electrical requirements for Type I insulation as designated in ICEA S-68-516, Sections 3.6.1 and 3.6.2.

3.3.2 Wiring shall be terminated using compression-type, ring-tongue terminals, which firmly grip the conductor. Connectors shall be Thomas & Betts Sta-Kon or Owner approved equal. Both ends and at each terminating point of each wire shall be uniquely identified with permanent, heat shrinkable wire markers (125°C rated) (Raychem Thermofit) or other Owner-approved permanent marker using indelible printing, white sleeve with black lettering. Adhesive wire labels are not acceptable.

3.3.3 Splicing of wiring is prohibited. No more than one wire plus one jumper shall be connected to any one terminal point.

3.3.4 All 480V wiring shall be segregated from other control wiring and low voltage devices for personnel safety by means of an insulated barrier or other means.

3.3.5 Wiring shall be neatly arranged and clamped securely to panels to prevent movement or breaking. Except as otherwise provided in standard vendor supplied packages, a maximum of 12 wires shall be in a bundle in order to facilitate tracing of wires. Wiring clamps and supports at hinge transition points shall be properly sized to prevent chafing of insulation when the cubicle door is opened and closed. Metal clamps must have insulating inserts between the clamps and wiring. Nonmetallic clamps are preferred.

3.4 Cable Pulling

3.4.1 Proper equipment is essential for pulling wire and cables into raceways. All associated pulling attachments, rope, sheaves, cable pullers, reel holders, dollies, etc. necessary for the proper installation of cables into raceways as shown on the drawings shall be furnished and maintained in good order.

3.4.2 All cable shall be tested prior to its installation into the raceway to determine if it is suitable for the intended use.

3.4.3 Craftsmen shall be furnished who are skilled in the installation of cables into the various types of raceways required.

3.4.4 Cables shall be guided into raceways in such a manner that pulling strain and jacket damage will be minimized.

3.4.5 Cable ends shall be sealed during and after the pull.

3.4.6 Prior to cable pulling, the rigging set-up shall be inspected by the Owner to ensure proper cable installation.

3.5 Grounding

3.5.1 Grounding system shall be a grid system with taps to equipment. Ground system shall consist of driven rods and bare copper cables.

3.5.2 Grounding shall be in accordance with the National Electrical Code and as noted hereafter.

3.5.3 The following shall be grounded:

3.5.3.1 Non-current carrying metallic parts of electrical equipment such as switchgear, panel-boards, control stations, etc.

3.5.3.2 Structural steel columns and metal buildings.

3.5.3.3 Although all ground connections may not be shown on drawings, the Contractor shall be responsible for their installation.

3.5.4 Ground wire shall be installed in conduit sleeves where necessary to protect it from mechanical damage.

3.6 Instrumentation – General Requirements

3.6.1 All instruments and equipment shall be installed in a manner, which assures reasonable protection against mechanical damage, wetting, or extremes of heat or cold. Protective wrappings, coatings and flanges shall not be removed until required for installation. Instrumentation shall be handled at all times so as to protect it from damage to the internal mechanisms. Instrumentation shall be stored in accordance with the manufacturer's recommendations until installation. Final locations and orientations must be selected for accessibility, repair, and calibration in place, easy access to the rear of the instruments (if needed), and for disconnection without resorting to cutting, burning, or welding.

3.6.2 Instrument supports shall not be mounted on or connected to handrails, stairways, machinery, or to any equipment subject to movement under load.

3.6.3 All pipe-mounted temperature and pressure indicators and bridle-mounted level gauges shall be mounted so as to provide direct visual readings from operating decks and accessibility for maintenance. If pipe-mounted instruments are subject to freezing, they shall be appropriately freeze protected.

3.6.4 Instrumentation, accessories, and all other equipment shall be located and mounted such that calibration, maintenance, and removal work can be performed on any one piece of equipment without disturbing another. Adequate clearance shall be provided so that calibration, adjustments, and connections are easily accessible without need of instrument removal. All instrument covers shall be provided with adequate clearance space for removal. Equipment shall be arranged such that work can be performed easily, without need for special tools.

3.6.5 Instruments and manifold valves shall be easily accessible for calibration.

3.7 Instrument Marking

Stamped stainless steel tags shall be installed for the following:

3.7.1 All process root valves and all process blowdown valves shall be tagged with the associated instrument tag number(s). Tags shall protrude from any insulation.

3.7.2 In general, instruments shall be furnished with stainless steel tags. Instruments found without tags shall be tagged with the appropriate instrument tag number. Tags shall be secured with stainless steel wire with ends crimped together.

3.7.3 Each local instrument cabinet shall be tagged with permanently affixed nameplates as shown on the Contract Drawings.

3.8 Instrument Tubing and Piping

3.8.1 All tubing shall be ASTM 213 type 316 stainless steel (except in acid service), both seamless and annealed. Copper tubing shall be ASTM B-75 and shall be permitted only for instrument air services.

3.8.2 Tubing shall be installed so that sags and low spots are avoided. All tubing cuts shall be made with a roller-type tubing cutter and shall be deburred. All tubing bends shall be made with an approved mechanical bender to avoid flattening of the bends.

3.8.3 All tubing fittings shall be Swagelock compression type. The use of flared-type fittings shall not be accepted and is strictly prohibited. Pipe dope or Teflon tape shall not be used on the tubing-side threads of compression fittings.

3.8.4 Tubing runs shall be run in Tube Track.

3.8.5 Tubing runs shall be installed with continuous slopes to process connection or instrument connection as required.

3.8.6 Instrument line tubing shall be bent whenever possible. Socket weld elbows are permitted when bending is not possible due to space limitations.

3.8.7 Instrument sensing lines shall be kept as short as possible to minimize instrument sensing errors.

3.8.8 All instrument air piping shall have low point drains and all vertical risers shall have collection pots and drains.

3.8.9 Instrument air secondary branch headers for the supply of instrument air to analog control equipment shall not be used to supply solenoid valve operated air cylinders.

3.8.10 Instruments requiring instrument air will be furnished by Reliant with mounted air filter pressure regulators with outlet gauge.

3.8.11 All instrument air piping and tubing shall be purged of extraneous material by blowing clean, dry, oil-free air through the system prior to final connection.

3.8.12 All pipe threaded fittings shall use either Lok-Tite, pipe sealant with teflon or teflon tape to seal the connection. The use of lead base pipe dope is not acceptable.

3.8.13 The use of Teflon tape is acceptable with the following restrictions:

3.8.13.1 Teflon tape shall not be used on any instrument where such use is prohibited by the instrument manufacturer.

3.8.13.2 Teflon tape shall not be used on any instrument that uses plastic piping or tubing connections.

3.8.13.3 Teflon tape shall not be used on any instrument that uses connections made of brittle materials (i.e., cast aluminum or pot metal).

3.8.14 No Teflon tape or Lok-Tite shall be applied to tubing-side threads of compression fittings.

4.0 TESTING/QUALITY CONTROL

The Electrical and Instrumentation testing requirements are included in the Mechanical Equipment, Piping, Structural, Electrical and Instrumentation Scope Document, URS Specification No. 45267-012-P001.

5.0 APPLICABLE CODES AND STANDARDS

5.1 All Contract Drawings listed on the Electrical and Instrumentation Drawing Registers, are an integral part of this Specification. The drawings are not intended to show all details of the work. Where specific details are shown, they

must be followed unless permission to deviate from them is obtained in advance from Reliant Energy. The Contractor shall make sketches to work out details not covered by the drawings.

5.2 The Work shall comply with the latest edition of the following regulations, standards and codes:

5.2.1 The National Electrical Code (NEC)

5.2.2 National Electrical Safety Code (NESC)

5.2.3 Occupational Safety and Health Administration (OSHA)

5.2.4 All Local Electrical Ordinances

5.3 Electrical materials and equipment shall be in accordance with IEEE, ANSI and NEMA standards and where applicable shall be Underwriters' Laboratories (UL) approved and labeled.

5.4 Wherever the drawings or specifications call for or describe materials or construction of a better grade or larger size than is required by the rules and regulations of sections 5.2 and 5.3, then the provisions of these drawings and specifications shall take precedence.

6.0 DRAWING LIST

6.1 The drawings listed on the Electrical and Instrumentation Drawing Registers are the essence of the Work, except as they may be amended by revisions or change orders as issued during the execution of said work.

6.2 All conflicts between the drawings or any existing installation or the work of another Contractor shall immediately be brought to the attention of Reliant Energy.

SPECIFICATION

FOR

INSTRUMENT INSPECTION, CALIBRATION AND TEST PROCEDURES

for

Reliant Etiwanda
Unit 1 & 2 NO_x Control Project

URS CORPORATION AMERICAS

New Orleans, Louisiana



URS Job No. 45267-012
URS Specification No. 45267-34-503
Rev. 0
October 2002

URS

SPECIFICATION FOR
UNITS 1 AND 2 NO_x REDUCTION PROJECT

INSTRUMENT INSPECTION, CALIBRATION AND TEST PROCEDURES

THIS PAGE IS A RECORD OF ALL DOCUMENTATION REVISIONS. ONLY THE NEW OR REVISED PAGES ARE NORMALLY ISSUED EACH TIME THE DOCUMENT IS CHANGED.

THE NATURE OF THE REVISION IS NOTED UNDER REMARKS, BUT THESE REMARKS ARE NOT A PART OF THE DOCUMENT. THE REVISED PAGES BECOME PART OF THE ORIGINAL DOCUMENT AND SHALL BE COMPLIED WITH IN THEIR ENTIRETY.

REV	DATE	BY	CKD	APP	PAGES	REMARKS
0	10/4/02	KPD	JJC	JRC	ALL	ISSUED FOR BID

URS

	DOCUMENT NO. 45267-34-503	REV 0
		PAGE 1 of 1

TABLE OF CONTENTS

1.0 GENERAL

2.0 DOCUMENTS TO BE FURNISHED BY URS

3.0 JOB DESCRIPTION OF THE CONTRACTOR'S INSPECTION PERSONNEL

4.0 DOCUMENTS TO BE FURNISHED BY THE CONTRACTOR'S INSPECTION SUPERVISOR

5.0 BASIC REVIEW OF THE CONTRACTOR'S CALIBRATION PROCEDURE

6.0 ACCURACY

7.0 INSTRUMENT AIR TUBING TESTING

8.0 INSTRUMENT IMPULSE PIPING TESTING

9.0 INSTRUMENT WIRING TESTING

10.0 INSTRUMENT WARMING

11.0 GENERAL GUIDE TO THE CONTRACTOR'S INSTRUMENT INSPECTION AND CALIBRATION

12.0 CONTROL VALVE AND REGULATOR CALIBRATION, CHECKS AND TESTS BY THE CONTRACTOR

13.0 FLOW INSTRUMENT CALIBRATION, CHECKS AND TESTS BY THE CONTRACTOR

14.0 LEVEL INSTRUMENT CALIBRATION, CHECKS AND TESTS BY THE CONTRACTOR

15.0 PRESSURE INSTRUMENT CALIBRATION, CHECKS AND TESTS BY THE CONTRACTOR

16.0 TEMPERATURE INSTRUMENT CALIBRATION, CHECKS AND TESTS BY THE CONTRACTOR

17.0 ANALYZER INSTALLATION CALIBRATION, CHECKS AND TESTS BY THE CONTRACTOR

18.0 INSTRUMENT AIR SUPPLY SYSTEM

19.0 INSTRUMENT POWER SUPPLY SYSTEM

20.0 ELECTRONIC LOOP TESTING BY THE CONTRACTOR

21.0 ALARM AND SHUTDOWN SYSTEM TESTING BY THE CONTRACTOR

SPECIFICATION
FOR
INSTRUMENT INSPECTION, CALIBRATION AND TEST PROCEDURES

1.0 GENERAL

1.1 Purpose

The purpose of this standard is to outline the minimum requirements for field inspection, calibration, and testing of newly installed instrumentation, designed and erected in compliance with the construction documents and drawings.

1.2 Use

This standard shall be used by the Construction Contractor.

1.3 Scope

1.3.1 This standard does not waive requirements for other inspection, calibration, or testing performed by a vendor, Contractor, or manufacturer as specifically required by the Purchase Order issued by or for URS.

1.3.2 This standard does not include start-up or tuning of instruments and controls.

1.4 Exceptions

In the event of conflict between this standard and the vendor's recommended calibration or test procedure, the Construction Contractor shall document these conflicts in writing to the URS Site Manager, and receive them in writing before proceeding with the required calibration or test. The "Site Manager" shall be referred to as the "SM" in the remaining sections of this specification.

The "Construction Contractor" shall be referred to as the "Contractor" in the remaining sections of this specification.

2.0 DOCUMENTS TO BE FURNISHED BY URS

2.1 URS shall furnish the following documents to the Contractor:

2.1.1 One copy of the instrument and control Purchase Orders including those for packaged units or systems, which include instruments and controls, complete with copies of the specifications and drawings furnished with the Purchase Order.

2.1.2 One print of all instrument and electrical drawings, including instrument installation sketches, instrument specifications, and electrical drawings pertaining to instruments, controls, shutdown systems and alarms.

2.1.3 One set of P&ID's, instrument location plans, and the instrument index.

2.1.4 One copy of all instrument and control vendor certified drawings, including those for packaged units or systems, which include instruments and controls.

2.1.5 One copy of all vendor instruction manuals for installation, maintenance, and operation, including packaged units or systems, which include instruments and controls.

3.0 JOB DESCRIPTION OF THE CONTRACTOR'S INSPECTION PERSONNEL

3.1 A supervisor shall direct all activities of the Inspectors and Technicians and shall make detailed work schedules and assignments.

3.2 Inspector's duties shall be to inspect equipment and installation before, during, and after installation, in accordance with this Standard. Inspectors shall be responsible for the maintenance of complete reports, records and forms. Inspectors shall instruct, direct, and advise the Instrument Technicians.

3.3 Instrument Technicians shall check calibration or completely calibrate instrumentation devices and make tests required by the procedure listed in this standard.

4.0 DOCUMENTS TO BE FURNISHED BY THE CONTRACTOR'S INSPECTION SUPERVISOR

4.1 Instrumentation shall be inspected upon receipt at the job site prior to release for installation. All installations shall be inspected. The inspector shall verify by written report the compliance with the schedules, drawings, specifications, and standards and that there are no defects in material and workmanship.

4.2 A "Loop Checkout Report" shall be completed by the Contractor for all loops and signed by the Contractor's Inspection Supervisor. Three copies of the signed "Loop Checkout Report" shall be furnished to the SM.

4.3 Any equipment found to be defective shall be called to the attention of the SM by a written report. This report will contain the model, serial and tag numbers, and a description of the problem. The replacement or repair of the instrument will then be decided by the SM.

4.4 A tracking system and report will be provided by the Contractor for all defective equipment and shall include as a minimum the following features:

4.4.1 Tracking of repair, re-installation and retesting of equipment repaired on site.

4.4.2 Tracking of shipment, receipt, re-installation and retesting of equipment returned to the manufacturer for repair or replacement.

4.4.3 Administration of all aspects of warranty claims as required.

5.0 BASIC REVIEW OF THE CONTRACTOR'S CALIBRATION PROCEDURE

5.1 Purpose

5.1.1 The basic purpose of the Contractor's instrument inspection and calibration is to obtain a permanent record and verify that the instruments will measure, indicate, record and control within the tolerances guaranteed by the vendor.

5.2 Test Equipment Provided by the Contractor for Calibration Checks

5.2.1 The calibration of all test equipment shall be checked by the Contractor before being used for any calibration of plant instruments.

5.2.2 The Contractor's test equipment calibration check shall be at least twice as accurate as the tested instrument accuracy tolerance.

5.2.3 Test equipment which shall be used as the on-site calibration standard or benchmark shall be sent to an independent testing laboratory by the Contractor for certification no earlier than three months prior to commencement of work on this project. The equipment shall be used only to calibrate the field test instruments and shall be stored in a secure place in the shop.

5.2.4 Field test equipment shall be re-calibrated by the Contractor using the certified benchmark equipment every two weeks.

5.2.5 The test instrument calibration check shall be recorded by the Contractor on a label, showing the date and the person performing the check, and the label shall be attached to the piece of equipment, in such a place that it is easily viewable but not easily removed.

5.3 General Calibration Procedures

5.3.1 In general, a calibration check of all indicating, control, and recording instruments shall be made at three points – 0%, 50% and 100% range. Zero and span adjustments should be made at 10% and 90% of range points.

5.3.2 All process or signal actuated switching devices shall be calibrated to open or close contacts on signal increase or decrease as required by the data sheet. Repeatability should be verified and the deadband recorded.

5.3.3 A record showing the instrument tag number, date of calibration, approval signature and calibration data shall be kept for all instruments. It is the responsibility of the Instrument Calibration Supervisor to see that these records are kept.

5.3.4 Transmitters and receivers shall be bench calibrated independently using one of the test standards for transmitter output and receiver input. Zero matching shall then be checked during the loop check.

5.3.5 Field calibration checks of instruments should be done at two points, 25% and 100% of range wherever specified.

5.3.6 Upon completion of inspection, calibration and testing of each instrument or device, it shall be clearly marked with its identification number, using adhesive labels furnished by the Contractor and approved by the SM.

6.0 ACCURACY

6.1 Unless stated otherwise, the instrument manufacturers show the accuracy as the limit of error in percent of the instrument range. For example, the "Accuracy, ±0.5%" figure shown in the vendor's literature usually means "at any point in its Range, the reading of the instrument will be within 0.5% of full Range or full Span of the true value".

6.2 For some instruments, the vendor will specify an accuracy based on the instrument reading rather than the Range, which means "at any point in its Range, the reading of the instrument will be within 0.5% of the true value."

6.3 The specific apparatus to be used in inspection, calibration, and testing is defined under the individual procedures. Apparatus requirements for a given project shall be reviewed and established with sufficient time allowed to obtain all required apparatus to meet the work schedule.

7.0 INSTRUMENT AIR TUBING TESTING

7.1 Air leak testing shall be performed by the Contractor on all instrument air tubing, including vendor-furnished installations, as follows:

7.1.1 All instrument air piping and tubing shall be blown completely clean and dry with dry instrument air at a minimum pressure of 20 PSIG, or other specified dry gas before connection to any instrument or accessory. The tubing being tested shall be checked to confirm that a free flow of clean, dry air is present, confirming the continuity of the run and that any foreign material has been blown out.

7.1.2 The air supply shall be turned on, adjusted to 15 psig (or required supply pressure specified by the Inst. Spec.), and all fittings coated with non-residue forming leak detection solution to check for leaks.

7.1.3 The air supply shall then be turned off and the pressure gauge observed for a minimum period of two minutes. If no pressure drop occurs within this time, then the test will be considered satisfactory.

7.1.4 Pneumatic testing shall be performed from the transmitter to the receiver instrument (i.e. connect portable pneumatic leak test assembly at transmitter end), or from controller/manual loader to the control valve (i.e. connect portable pneumatic leak test assembly at controller/manual loader end).

7.1.5 Connect the air line to be tested to the portable pneumatic leak testing assembly. A Bubbler System shall be used if approved by the SM.

7.1.6 Apply non-residue forming leak detection solution to all fittings to check for leaks.

7.1.7 Devices such as transducers, which are located at the control valve, are only required to be tested for leaks using non-residue forming leak detection solution.

7.1.8 All spare lines (tubing bundles) are to be tested by capping one end and using the Bubbler Procedure.

8.0 INSTRUMENT IMPULSE PIPING TESTING

8.1 During hydrostatic line testing, all instrument-sensing lines shall be disconnected if possible. If not possible sensing lines shall be blocked, vented and drained.

8.2 Instrument impulse lines shall be tested by the Contractor at 110% of the design pressure using dry air or nitrogen. Use procedure outlined in Section 7.1.2 and 7.1.3.

9.0 INSTRUMENT WIRING TESTING

9.1 The Contractor shall perform the following wiring checks witnessed by the SM:

9.1.1 Contractor shall verify that the integrity of the wiring agrees with the appropriate design drawing.

9.1.2 Verify, by the use of an Ohmmeter, that the wiring is free from unintentional grounding, and that intentional grounds are made as specified on the drawings.

9.1.3 Testing of the instrument wiring shall be accomplished under the electronic loop testing in Section 20.

9.1.4 Testing of the alarm wiring shall be accomplished under the alarm system testing and/or pneumatic and electronic instrument loop testing in Section 20.

9.1.5 Testing of the thermocouple wiring shall be accomplished along with the associated instruments.

10.0 INSTRUMENT WARMING

10.1 The Contractor shall verify that all instrument warming as called for in the specifications and drawings has been provided, properly installed, and tested.

11.0 GENERAL GUIDE TO THE CONTRACTOR'S INSTRUMENT INSPECTION AND CALIBRATION

11.1 The initial inspection shall consist of a check of all instruments against the specifications for:

11.1.1 Correct Instrument Tagging

11.1.2 Correct Model Number

11.1.3 Size and Type Connections

11.1.4 Materials of Construction

11.1.5 Instrument Ranges, Mode of Control, and Control Action

11.1.6 Control Valve Action on Air Failure

11.1.7 Physical Damage

11.1.8 Removal of all shipping stops

11.1.9 Instruction and Parts List Manuals

11.1.10 Serial Numbers

11.1.11 All specified accessories are included

11.2 Instruments to be calibrated:

(Note: The following list of instruments should be considered as a guide and is not all-inclusive.)

11.2.1 All transmitters, local recording and indicating instruments whether controlling or not.

11.2.2 Pressure gages used in conjunction with controllers and any special purpose gages.

11.2.3 All panel-mounted instruments

11.2.4 Analysis-type instruments

11.2.5 Control valve positioners and transducers

11.3 Instruments not normally calibrated:

11.3.1 Thermometers, thermocouples, and resistance thermometers.

11.3.2 Pressure gages except as noted in Section 11.2.2, above.

11.3.3 Gage glasses.

11.4 All instrument installations not specifically covered by this standard require a procedure for inspection, calibration, and testing to be prepared by the SM.

12.2.3 Check lubricators for grease content and check tightness of packing gland

12.2.4 Sufficient clearance for removal of actuator and trim (bottom removal)

12.2.5 Range and bench set on nameplate and tagging

12.2.6 Handwheel Operation (leave in neutral or de-clutched position)

12.2.7 Positioner is accessible for maintenance

12.2.8 Air set drain cock points downward

12.2.9 Correct action of solenoids and position of solenoid vents

12.2.10 Action of limit switches

13.0 FLOW INSTRUMENT CALIBRATION, CHECKS AND TESTS BY THE CONTRACTOR

13.1 Flow Elements

13.1.1 All flow elements, including flowmeter runs and restriction orifices, shall be inspected. All orifice plate bores shall be checked with a micrometer for tolerances within the SM's standards and the values documented. The micrometer shall have an accuracy of ±0.0001 inches. The Contractor shall not release orifice plates for installation until after line cleaning, flushing and hydrotesting are complete.

13.1.2 The Contractor shall check in particular, the following:

13.1.2.1 Orifice bore, counter bore, sharpness of leading edge, flatness, thickness and finish surface of the plate.

13.1.2.2 Orifice plate installed in proper direction (nameplate data facing upstream side of flow), centered in the pipe and using correct size gaskets.

13.1.2.3 Inside weld of orifice flange for burrs

13.1.2.4 Taps installed correctly for service (liquid, steam or gas flow and flow direction)

13.1.2.5 Correct length of straight run pipe per the piping isometric.

13.1.2.6 Information on the tag/tab agrees with the Instrument Orifice spec. sheet.

13.2 Flow Transmitters

13.2.1 Inspection. The Contractor shall check the following items:

13.2.1.1 Correct Range, tag number and calibration sticker

13.2.1.2 Installation of local field indicator, if required. Warming, if required, including installation of specified enclosure. Also, installation of heat tracing against installation details.

13.2.1.3 Nipples and valves are of proper material and are backwelded where required.

13.2.1.4 Tap orientation for direction of flow (high side upstream-low side downstream)

13.2.1.5 Gaskets and "O" rings of proper material and installed where required.

13.2.1.6 Bypass manifold of specified type installed

13.2.1.7 Accessible for maintenance

13.2.1.8 Proper position of vents (process medium will vent away from the person doing the venting)

13.2.2 Bench Calibration Test – flow transmitters shall be bench calibrated prior to installation, using an approved site calibration instrument. For ranges up to 100 inches of water, a water column or approved primary device shall be used to apply the calibration signal to the high pressure. For ranges over 100 inches of water, the approved primary device is permissible. Output of electronic DC type transmitters shall be measured with a laboratory type precision multimeter.

Calibration Adjustment Procedures given in the Vendor's Instruction Manual shall be followed. Calibration checkpoints shall be 0%, 50% and 100% of range.

13.2.3 Field Calibration Test – Calibration of all flow transmitters shall be field checked after installation as described below. This is usually a part of the Loop Testing found in Section 20.

13.2.3.1 Open equalizing valve.

13.2.3.2 Close manifold shut-off valves.

13.2.3.3 Vent low-pressure side.

13.2.3.4 Close equalizing valve.

13.2.3.5 Connect an aspirator-gage set to the transmitter using the high-pressure vent connection. The aspirator-gage set shall have basic precision of one inch of water and shall be checked prior to usage against a water column. Any deviation shall be marked at the calibration checkpoints. Set zero and check at 25% and 100% of range.

13.2.3.6 Proceed as described in Loop Testing Sec. 20.

13.2.3.7 Return manifold valving to operating position with all vents closed after calibration check is complete.

13.3 Rotameters

13.3.1 Rotameters shall be installed as received. Make sure shipping stops have been removed and floats installed. The Contractor shall check that the direction of flow through the meter is correct. Check for a level installation and for compliance against the installation detail.

13.4 Coriolis Mass Flow Meter

13.4.1 Inspection. The Contractor shall check the following items:

13.4.1.1 Physical damage.

13.4.1.2 Instrument tag and specifications.

13.4.1.3 Orientation for observation.

13.4.1.4 Accessibility for maintenance.

13.4.1.5 Proper installation per design drawings and manufacturer's recommended installation.

13.4.1.6 Proper flow orientation.

13.4.1.7 Proper electrical connection.

13.4.2 Configuration. The Contractor shall follow the configuration procedure given in the Vendor's Instruction Manual.

14.0 LEVEL INSTRUMENT CALIBRATION, CHECKS AND TESTS BY THE CONTRACTOR

14.1 Level Gages and Gage Cocks

14.1.1 Gage glasses shall be installed as received.

14.1.2 The Contractor shall, in particular, check the following:

14.1.2.1 Glass not cracked

14.1.2.2 Orientation for observation

14.1.2.3 Overlapping of visible glass by 2 inches minimum

14.1.2.4 Valves properly installed

14.1.2.5 Warming, if required

14.1.2.6 Tag number and specifications

14.1.2.7 Glass covers the full range of any associated level transmitters or switches

14.2 Magnetostrictive Type Level Transmitters

14.2.1 The Contractor shall check the following:

14.2.1.1 Shipping stop removed and float installed

14.2.1.2 Field indicator installed, if required.

14.2.1.3 Warming, if required.

14.2.1.4 Accessible for maintenance.

14.2.1.5 Tag number and specifications.

14.2.1.6 Head orientation is correct.

14.2.2 Calibration and Testing

14.2.2.1 Magnetostrictive-type instruments shall be checked by raising and lowering the float using water (or a glycol/water mixture in cold weather with calculated equivalent heads) and checking the pilot or transmitter action. Check transmitters with output gages or meters for smooth and full output change.

14.2.2.2 Calibration and testing shall also include manufacturer's recommended settings and tests. Final calibration check and adjustments shall be made as part of the plant start-up procedure when liquid at the operating condition is in the system.

15.0 PRESSURE INSTRUMENT CALIBRATION, CHECKS AND TESTS BY THE CONTRACTOR

15.1 Pressure Gages

15.1.1 Direct connected, bourdon type pressure gages shall not be calibrated, but shall be zeroed where required prior to installation.

15.1.2 The Contractor shall check the following:

15.1.2.1 Gages are properly oriented for reading

15.1.2.2 Vent and block valves are properly installed

15.1.2.3 Pressure gage has been zeroed

15.2 Pressure Transmitters

15.2.1 The Contractor shall check the following:

15.2.1.1 Correct tap location, proper material, and backwelding, if required.

15.2.1.2 Correct range (pressure, vacuum, or compound) and tag number.

15.2.1.3 Warming, if required, including installation of enclosures.

15.2.1.4 Low pressure tap vented, if required.

15.2.2 Calibration and Testing. The following procedure shall be done in conjunction with the instrument loop testing in Section 20.

15.2.2.1 Close shut-off valve in sensing line.

15.2.2.2 Remove plug from sensing line vent valve and connect a portable pressure system set.

15.2.2.3 Proceed as described in Loop Testing in Section 20.

15.2.2.4 Confirmation of the calibration should be at the receiving device. (Previously calibrated against an approved standard).

16.0 TEMPERATURE INSTRUMENT CALIBRATION, CHECKS AND TESTS BY THE CONTRACTOR

16.1 Temperature Transmitters

16.1.1 Calibration and Testing. The following procedure shall be done in conjunction with the loop testing covered in Section 20.

16.1.1.1 Disconnect leads at thermocouple.

16.1.1.2 For thermocouple actuated transmitters, connect a portable approved calibrator to the leads in place of the thermocouple element.

16.1.1.3 Proceed as described in the Loop Testing in Section 20 with the addition of checking thermocouple burnout (upscale and downscale, as specified) by opening input circuit.

16.2 Thermowells and Thermocouples

16.2.1 The Contractor shall check the following:

16.2.1.1 Check that well is dry and properly tagged. Test wells should have a plug and chain.

16.2.1.2 Check that tip of thermocouple is properly touching the bottom of the well.

16.2.1.3 Thermocouples shall be checked for type, polarity, double reversals, proper grounding, shielding and point identification.

16.2.1.4 Check well for the correct pipe or vessel insertion length.

16.2.2 Calibration and Testing

16.2.2.1 On thermocouples for control, shutdown, alarm, or recording, the leads shall be disconnected at the thermocouple terminal head and a portable approved calibrator connected. Signals equal to 25% and 75% of range shall be applied and verified on the receiving instruments. Burnout feature, if applicable, should be checked.

16.3 Temperature Gages or Bimetal Thermometers (Local Indicators)

16.3.1 The Contractor will check the following:

16.3.1.1 Range and tag number.

16.3.1.2 Orientation for observation.

16.3.1.3 On remote bulb type, check installation of capillary for proper supporting and protection.

16.3.2 Calibration shall be verified with a certified bath or oven. With adjustable angle type thermometers, it may be necessary to check calibration with the angle adjusted to the final position.

17.0 ANALYZER INSTALLATION CALIBRATION, CHECKS AND TESTS BY THE CONTRACTOR

17.1 Analyzer Buildings

17.1.1 Analyzer Buildings shall be inspected for conformance with the specifications, scope of work, drawings and applicable standards. The Inspector shall check the following:

17.1.1.1 Ventilation properly installed and operating.

17.1.1.2 Piping of liquid effluent to proper sewer system outside of building or returned to process line or pump. Piping of Gas effluent to proper systems outside of the building.

17.1.1.3 Entrance door and emergency escape door where required properly installed and in operating condition.

17.1.1.4 Heating, cooling properly installed and in operating condition (if required).

17.1.1.5 Installation and support of standard calibrating cylinders inside/outside the shelter.

17.1.1.6 Concrete pad and installation for carrier cylinders.

17.2 Analyzer Piping, Wiring and Sample Protective Warming

17.2.1 Analyzer piping, wiring, associated devices, probe assembly and sample-protecting warming shall be inspected for compliance against installation details, design scope, accessibility and operability. Valves on retractable probes shall be permanently tagged: "Warning – Do Not Close Without Retracting Probe". Inspector shall verify that the probe "stop" is in place

and that the probe can be withdrawn without interference. Also check for correct tag number, position of sample probe in respect to flow indicating arrow and correct insertion length.

17.3 Analyzers

17.3.1 All analyzers, devices located in shelters and rack rooms and system devices shall be inspected for compliance against scope of work, specifications, installation details and applicable standards/codes.

17.3.1.1 Calibration and Testing. All analyzer installations shall be calibrated and tested after installation. The procedure, as given in the Vendor's Instruction Manuals shall be followed. However, due to the wide variety of analyzers and varying degrees of complexity, the requirements for calibrating and testing the analyzers shall be thoroughly reviewed to determine final procedures to be followed and technical assistance required from others. For complex analyzers such as chromatographs and mass spectrometers it is strongly recommended that Vendor Factory acceptance tests, installation and startup services be used.

18.0 INSTRUMENT AIR SUPPLY SYSTEM

18.1 All components of the Instrument Air Supply System, including compressors, receivers, dryers, valves, regulators, and filters shall be inspected by the Contractor for compliance with the specifications and scope of work. The Contractor shall coordinate the inspection with the Mechanical and Electrical Inspectors.

19.0 INSTRUMENT POWER SUPPLY SYSTEM

19.1 Inspection and testing of the instrument electrical power system, including emergency power back-up systems, shall be the responsibility of the Electrical Inspection Supervisor. The Contractor shall coordinate and witness any testing of these systems.

20.0 ELECTRONIC LOOP TESTING BY THE CONTRACTOR

20.1 All electronic instrument and control loops shall be functionally tested for correct operation. The following procedure shall be reviewed for compatibility with the actual type instruments being applied on a given project. It may also be desirable to add some details, such as, specific termination point designations to be used for connecting the test equipment into the loop wiring on a given project.

20.1.1 Verify that all power is off.

20.1.2 Short the pair of wires at the transmitter and disconnect/isolate wires at the marshalling cabinet and check the loop for "continuity".

20.1.3 For transmitters requiring a DC supply in the loop, the polarity of the transmitter leads shall be verified by connecting a D.C. voltmeter to the disconnected wiring at the transmitter. Apply DC power to the circuit by connecting the appropriate terminals at the marshalling cabinet and apply DC power. All auxiliary current devices contained within the loop shall be bypassed.

20.1.4 Reconnect and restore loop wiring, observing correct polarity as verified in Sec. 20.1.3.

20.1.5 For loops, such as flow, pressure, level and temperature, where it is possible to directly apply a calibration check signal to the transmitter, proceed by performing the steps specified under the particular type of transmitter specified in this standard. For loops where it is not possible to apply the calibrating signal to the transmitter, the transmitter shall be disconnected and a suitable transmitter simulator connected.

20.1.6 Turn on all power required.

20.1.7 Apply calibration signals of 0%, 25% and 100% and check the transmitter output against each receiver in the loop. (Receivers previously calibrated against a primary standard) Set current actuated alarm and shutdown switches and check alarm points as per Instrument Specifications.

20.1.7.1 On conventional loops containing controllers, set correct controller action, the proportional band adjustment to 100% (Gain of 1) and reset set at the mid point value. Set control index at 50% and controller on automatic mode. Apply

calibration signal of 50%. Adjust the control index (set point) until the output is stable (between 25% and 75%). The set point should be at the same value as the process (PV). If not, align the controller as per Vendor's Instructions. Repeat the above procedure with the proportional band set at 20% and 200%.

20.1.7.2 With the set point at 50% of full scale, apply a calibration signal of 0% on direct action controller, the output should go to minimum, on reverse action, the output should go to maximum. Apply calibration signal of 100%. On direct action controller, the output should go to maximum, on reverse action, the output should go to minimum. Switch control to manual and check output rangeability. Check and correct, if necessary, "open-close" designation on manual output adjustment. During the above operations, the control valve shall be observed for proper operation.

21.0 ALARM AND SHUTDOWN SYSTEM TESTING BY THE CONTRACTOR

21.1 All alarm and shutdown systems are to be functionally tested for correct operation. Generally, simple systems, such as those consisting of one switch and one annunciator point shall be tested at the time of calibration check of the device actuating the switch. Complex systems of alarm and shutdown require specific procedures to be developed by the SM. (i.e. Safety Shutdown or a fire Heater or Compressor).

SPECIFICATION

FOR

ELECTRICAL INSPECTION AND TEST PROCEDURES

Reliant Etiwanda
Unit 1 & 2 NO_X Control Project

URS CORPORATION AMERICAS

New Orleans, Louisiana



URS Job No. 45267-012
URS Specification No. 45267-20-504

October 2002

URS

SPECIFICATION FOR
UNITS 1 AND 2 NO_X CONTROL PROJECT

ELECTRICAL INSPECTION
AND TEST PROCEDURES

THIS PAGE IS A RECORD OF ALL DOCUMENTATION REVISIONS. ONLY THE NEW OR REVISED PAGES ARE NORMALLY ISSUED EACH TIME THE DOCUMENT IS CHANGED.

THE NATURE OF THE REVISION IS NOTED UNDER REMARKS, BUT THESE REMARKS ARE NOT A PART OF THE DOCUMENT. THE REVISED PAGES BECOME PART OF THE ORIGINAL DOCUMENT AND SHALL BE COMPLIED WITH IN THEIR ENTIRETY.

REV	DATE	BY	CKD	APP	PAGES	REMARKS
0	10/4/02	KPD			ALL	ISSUED FOR BIDS

URS

	DOCUMENT NO. 45267-20-504	REV 0
		PAGE 1 of 1

SPECIFICATION

FOR

ELECTRICAL INSPECTION AND TEST PROCEDURES

TABLE OF CONTENTS

1.0 GENERAL

2.0 GENERAL INSPECTION

3.0 GROUNDING SYSTEM

4.0 POWER AND CONTROL CABLE

5.0 MOTOR CONTROL CENTERS

6.0 DRY TYPE TRANSFORMERS

7.0 MOTORS

8.0 OPERATIONAL TESTS

9.0 TEST REPORTS

SPECIFICATION FOR ELECTRICAL INSPECTION AND TEST PROCEDURES

1.0 GENERAL

1.1 This specification covers the minimum requirements and procedures for field inspection and testing of electrical equipment and materials.

1.2 This specification does not waive requirements for other inspections or testings performed by a vendor, Contractor, or manufacturer as specifically required by the Purchase Order issued by or for URS.

1.3 Inspection and testing shall be performed by the Contractor in accordance with the requirements of this specification and the manufacturer's instructions referred to in this specification.

1.4 All necessary test equipment, labor, technical assistance, if required, and test record forms shall be furnished by the Contractor.

1.5 The Contractor shall submit an inspection and testing procedure and schedule showing the times he proposes to perform the tests to the URS Site Manager for approval. Inspection and testing shall not begin until procedures and schedules are approved by the URS Site Manager.

1.6 All inspection and testing shall be performed at a time approved by the URS Site Manager. The URS Site Manager shall be notified prior to all tests in order to enable their representative to witness any test, if so desired. Electrical equipment shall not be energized without specific approval of the URS Site Manager.

1.7 Inspection and testing results shall be documented as specified in Paragraph 9.0, Test Reports, of this specification.

1.8 The Contractor shall implement strict safety guidelines in order to protect personnel involved in the activities covered herein.

1.9 For tests and equipment calibration that require special tools and skills, the Contractor, if needed, shall engage the expertise of firms that specialize in this type of work to assist in performing the required task.

1.10 A system for tagging electrical equipment shall be developed by the Contractor, and used throughout the entire inspection and testing.

2.0 GENERAL INSPECTION

2.1 Prior to inspection and testing of equipment and materials specified herein the Contractor shall:

a. Visually check all equipment for any damage that may be due to mishandling of equipment, either in transportation or during installation.

b. Check nameplates of all electrical equipment, including instruments, to insure correct rating and installation.

c. Check that all electrical equipment is installed and connected as shown on the drawings and in accordance with the job construction specifications. When due to the requirements of this testing specification the equipment is not yet fully connected, the Contractor shall identify the conductors and connecting terminals in a distinct way, so that, when required, the connection can be made without a possibility of mistake.

d. Check all installation and foundation bolts and mechanical connections for tightness.

e. Check that all gaskets on weatherproof enclosures, housing electrical devices, fit tightly. Verification shall be made that enclosures meet the area classification where installed.

f. Check that all instruments are mounted solidly in place and all covers are secured tightly.

g. Check that all gauges and lights are in good condition and all broken glass or plastic is replaced.

h. Check that all lighting fixtures are lamped and oriented properly.

2.2 Cable and conduit seals shall be checked for proper installation and filled after all the cable or wire going through them has been tested.

3.0 GROUNDING SYSTEM

3.1 Ground resistance tests shall be made in dry weather and not less than 48 hours after rainfall. Resistance to the ground of each ground well or ground rod shall be measured using null-balanced type megger ground tester. Maximum allowable resistance for any single ground well or rod shall be 5 ohms. Where the resistance is more than 5 ohms, two or more electrodes connected in parallel shall be used.

3.2 All non-current carrying metal parts of electrical equipment shall be grounded. Inspect each conduit run visually to insure continuity and clean, tight connections. In addition, all electrical distribution equipment and tray ground

connections shall be inspected and verified to be sound.

4.0 POWER AND CONTROL CABLE

4.1 Contractor shall furnish a cable testing procedure to the URS Site Manager for review and approval.

4.2 All cables shall be tested prior to making final terminal connections to the equipment.

5.0 MOTOR CONTROL CENTERS

5.1 Motor Control Centers shall be tested by the MCC vendor before shipment. The URS Site Manager may request additional testing at job site.

5.2 Inspection - The equipment shall be visually inspected to determine that the equipment is free from foreign matter and no obvious defect exists. The equipment inspection shall establish the following:

a. Bus bar joints are bolted tight and securely fastened to mounted insulators.

b. Insulation is clean and dry.

c. Power contacts in breakers, controllers and starters are properly aligned and free of dirt or dust.

d. Equipment internal wiring and to terminal blocks is free of loose connections.

e. Bearings and wearing surfaces are lubricated and mechanical linkages are in working condition.

5.3 Additional Checking

a. Circuit breakers and controllers shall be checked for proper closing and opening by hand.

b. All metering and relaying current transformers shall be checked to verify correct polarity.

c. Thermal overloads protecting 480V motors shall be checked against motor nameplate full load amperes to verify correct size in accordance with the starter manufacturer's recommendation.

6.0 DRY TYPE TRANSFORMERS

6.1 Dry type lighting transformers shall be insulation tested.

7.0 MOTORS

7.1 Inspection - Each motor shall be inspected for alignment, lubrication, ventilation, direction of rotation, cleanliness, and other requirements as outlined in the Manufacturer's instruction manual.

7.2 Insulation Testing - The Contractor shall megger test motor insulation and apply temperature correction factors. The measurements shall be made between phase conductors and ground and multiplied by the temperature correction factor.

7.3 In the event any motor repair is required or insulation drying is needed, the Manufacturer's local representative shall be consulted.

8.0 OPERATIONAL TESTS

8.1 Simulation Tests - The purpose of simulation tests is to determine that the control circuits controlling the operation of electrical equipment are properly connected and that the components of these control circuits such as push buttons, switches, auxiliary and interlocking contacts, automatic starting devices, tripping relays, indicating lights, and protection, safety and shutdown devices operate properly. The tests shall be performed with appropriate load interrupters open. Use a volt-ohmeter for simulating tests to prove go no-go circuit operation.

Simulation tests shall be performed on all units (cubicles) of 480-Volt Motor Control Centers and the results of the simulation tests submitted for approval.

8.2 Tests on Energized Equipment - Following approval of simulation tests the following tests shall be performed on energized equipment to prove operational requirements of the electrical installation. All indicating instruments and lights shall be observed during the tests for proper operation. The tests shall be performed in sequence specified herein.

480 Volt Motor Control Centers

1. Close the main circuit breakers.
2. Start each motor and check for proper rotation. Verify motor rotation with motor nameplate and correct pump rotation. Disconnect starter when test is complete.
3. Close the breakers energizing the lighting distribution panels.
4. Operate each switch in all energized panels. Check that corresponding lighting fixtures light. Check that the panel directory is properly identified.
5. Check that all receptacles are energized.

8.3 Test Records - All tests shall be recorded as specified in paragraph 9.0, TEST REPORTS, of this specification.

9.0 TEST REPORTS

9.1 Test reports shall be prepared for all electrical inspections and shall include the following:

a. Date of inspection or test.

b. Identification of test equipment used.

c. Ambient temperature and relative humidity at the time of test.

d. Test results. Insulation test readings shall be given after applying temperature correction factors.

e. Name of person who conducted the test and approval signature of the URS Site Manager.

9.2 Test reports shall be prepared on forms approved by the URS Site Manager.

9.3 Furnishing of all forms and preparation thereof shall be the responsibility of the Contractor.

9.4 Three sets of all inspection and test reports shall be furnished to the URS Site Manager upon completion of testing.

SPECIFICATION

FOR

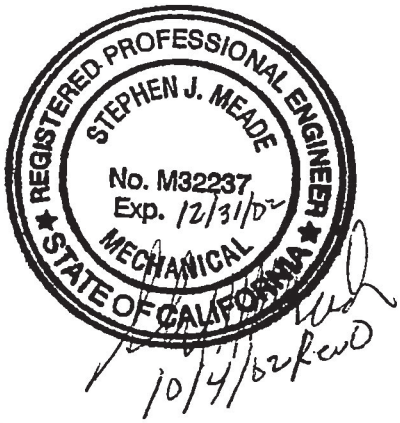
PIPING

for

Reliant Etiwanda
Unit 1 & 2 NO_x Control Project

URS CORPORATION AMERICAS

New Orleans, Louisiana



URS Corporation Job No.: 45267-012
URS Specification No.: 45267-012-M003
Rev. 0

September 2002

URS

SPECIFICATION
FOR
PIPING

THIS PAGE IS A RECORD OF ALL DOCUMENTATION REVISIONS. ONLY THE NEW OR REVISED PAGES ARE NORMALLY ISSUED EACH TIME THE DOCUMENT IS CHANGED.

THE NATURE OF THE REVISION IS NOTED UNDER REMARKS, BUT THESE REMARKS ARE NOT A PART OF THE DOCUMENT. THE REVISED PAGES BECOME PART OF THE ORIGINAL DOCUMENT AND SHALL BE COMPLIED WITH IN THEIR ENTIRETY.

REV	DATE	BY	CKD	APP	PAGES	REMARKS
0	9/30/02	SJM	TAL	JRC	ALL	ISSUED FOR BID

SPECIFICATION
FOR
PIPING

TABLE OF CONTENTS

1.0 SCOPE

2.0 REFERENCES

3.0 GENERAL

4.0 PIPING (Carbon Steel, Stainless Steel and Copper Tubing)

5.0 FABRICATION

6.0 WELDING

7.0 INSPECTION AND TESTING

8.0 PRESSURE TESTING

9.0 INSULATION

10.0 PIPING MATERIAL SPECIFICATIONS

- A. Galvanized Carbon Steel Piping Specification (GA1)
- B. Carbon Steel Piping Specification (CS1)
- C. Stainless Steel Piping Specification (SS1)
- D. Stainless Steel Tubing Specification (SS2)
- E. Copper Tubing Specification (CT1)
- F. Carbon Steel Ducting (CSD)

SPECIFICATION FOR PIPING

1.0 SCOPE

1.1 This Specification describes the minimum requirements and construction practices for the piping associated for URS Corporation Americas (hereafter referred to as URS) Units 1 & 2 NO_x Control Project at Reliant Energy Etiwanda, (hereafter referred to as Owner). The Construction Contractor (CC) shall be familiar with this Specification for the performance of his Scope of Work.

2.0 REFERENCES

2.1 The documents listed below form an integral part of this specification. They shall be the latest revision and addendum in effect on the date this specification is issued unless otherwise agreed upon by URS.

2.1.1 ANSI B16.1 Cast Iron Pipe Flanges & Flanged Connections, for use of diameter and drilling requirements only

2.1.2 ANSI B16.5 Pipe Flanges and Flanged Fittings

2.1.3 ASME B31.1 Power Piping Code

2.1.4 ASTM A53 Standard Specification for Pipe, Steel, Black and Hot-dipped, zinc-coated, welded and seamless

2.1.5 ASTM B62 Standard Specification for Composition Bronze and Ounce Metal Castings

2.1.6 ASTM B88 Standard Specification for Seamless Copper Water Tube

2.1.7 ASTM A105 Standard Specification for Forgings, Carbon Steel, for Piping Components

2.1.8 ASTM A106 Standard Specification for Seamless Carbon Steel Pipe for High-Temperature Service

2.1.9 ASTM A182 Standard Specification for Forged or Rolled Alloy-Steel Pipe Flanges, Forged Fittings, and Valves and parts for High-Temperature Service

2.1.10 ASTM A193 Standard Specification for Alloy-Steel and Stainless Steel Bolting Materials for High Temperature Service

2.1.11 ASTM A194 Standard Specification for Carbon and Alloy Steel Nuts for Bolts for High-Pressure or High-Temperature Service

2.1.12 ASTM A216 Standard Specification for Steel Castings, Carbon, Suitable for Fusion Welding, for High-Temperature Service

2.1.13 ASTM A234 Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Moderate and High Temperature Service

2.1.14 ASTM A276 Standard Specification for Stainless Steel Bars and Shapes

2.1.15 ASTM A312 Standard specification for Seamless and Welded Austenitic Stainless Steel Pipes

2.1.16 ASTM A351 Standard Specification for Castings, Austenitic, Austenitic-Ferritic (Duplex), for Pressure-Containing Parts

2.1.17 ASTM B371 Standard Specification for Copper-Zinc-Silicon Alloy Rod

2.1.18 ASTM B584 Standard Specification for Copper-Alloy Sand Castings for General Applications

2.1.19 UPC Uniform Plumbing Code

2.1.20 ASME Boiler & Pressure Vessel Code Section 1X "Welding"

2.1.21 ASTM A269 Standard Specification for Stainless Steel Tubing

2.2. It is the responsibility of the CC to notify URS of any conflicts between the referenced industry codes and standards, project design documents, and these Specification.

3.0 GENERAL

3.1 All material, labor, and equipment necessary to perform work in accordance with this Specification and the contract drawings shall be supplied by the CC unless specified herein. This includes, but is not limited to, pipe, fittings, thread cutters, solvent cements, heat blankets, sand, and concrete.

3.2 The construction requirements in this section are meant only as general guidelines. CC shall prepare, fabricate, inspect, and test all piping in strict accordance with the manufacturer's instruction, ASME, and ASTM standards.

3.3 Owner's waste receptacles will not be available for disposal of scrap or waste materials. CC shall make arrangements for offsite disposal of all scrap or waste created during fabrication. Owner is responsible for removal and disposal of all asbestos containing materials that may be covering the piping work. CC is responsible for the removal of any lead paint in an environmentally and safe fashion. Disposal of the lead paint waste is by the Owner.

3.4 CC shall guarantee that all material furnished by them is new and meets all the requirements of this Specification. All material provided by the CC that prove defective because of materials or workmanship, within one year of operation, shall be replaced or repaired by the CC at no cost to URS.

3.5 CC shall repair, fix, rework, patch or clean any items found by URS to be unacceptable according to the intent of these Specifications and drawings before leaving the job site at no cost to URS. Any specification or drawing omission, when the intent is obvious, shall not be a basis for the CC's failure to complete the job to the satisfaction of URS.

4.0 PIPING (Carbon Steel, Stainless Steel, Copper Tubing and Stainless Steel Tubing)

4.1 Any pipe and/or fittings not meeting these Specifications shall be removed and replaced at no additional cost to URS.

4.2 All pipe, valves and fittings must be clearly identifiable as satisfying the requirements of the Specifications to which the material was manufactured.

4.3 Pipe sizes of one and one-fourth (1 1/4") inch, two and one-half (2 1/2") inch, five (5") and seven (7") inches shall not be used without URS's approval.

4.4 No "all thread" nipples shall be used.

4.5 Piping Classifications

There are five piping classifications used for this project:

GA1 Carbon Steel – 150# Class Piping – Galvanized Piping – all sizes
CS1 Carbon Steel – 150# Class Piping – Plain Piping – all sizes
SS1 Stainless Steel – 150# Class Piping – Plain Piping – all sizes
SS2 Stainless Steel Tubing – sizes ¼" to 1 ½"

CT1 Copper Tubing – Type L – sizes ¼" to 2 ½"
CSD Carbon Steel Galvanized Ducting – all sizes

4.6 Slip-on flanges may be substituted for ANSI 150# weld neck flanges in some cases to suit space limitations; prior URS approval is required for each instance. Slip-on flanges shall be welded on both sides.

5.0 FABRICATION

5.1 General

5.1.1 All pipe fabrication, erection and testing shall be in accordance with ASME B31.1 "Power Piping" and ASME B&PV Code Section IX "Welding".

5.1.2 No piping or tubing shall be laid directly on ground without specific permission from URS.

5.1.3 Where applicable, all interconnecting piping between equipment shall be fabricated with one-half (1/2") inch shims on supports to allow for final alignment during field assembly.

5.1.4 Pipe nipples supporting gauges, valves, level controllers, shutdowns or other objects shall be minimum of Schedule 80.

5.1.5 The following minimum clearances shall be observed. (Dimensions are in all cases to the bottom of pipe or bottom of insulation):

a. Operating area (overhead): 7 feet 6 inches
b. Lines at floor elevation: 0 feet 8 inches

5.2 Minimum pup lengths are given below:

Pipe Diameter (inches)	Pipe Schedule	Minimum Pup Length (# of Pipe Diameters)
2	80	2
3	80	1
4	40	1 ½
4	80	1
6 & Above	All Schedules	½ or 4" minimum

5.3 Supports

All piping shall be supported using the following guidelines:

5.3.1 All piping shall be supported as indicated in the contract drawings. Field routed piping shall be supported in a manner similar to the support detail in the contract drawing that most resembles the particular installation.

5.3.2 Pipe on racks shall have common elevation.

5.3.3 No pipe shall be supported by its flanges or studs.

5.3.4 Pipe supports shall fall on and be welded to main cross members or on concrete footings provided by the CC. Footing locations require approval of URS's inspector.

5.3.5 The maximum unsupported length of one and one-half (1 ½") inch pipe and greater diameter shall not exceed fifteen (15') feet. The maximum unsupported length of one (1") inch and smaller diameter pipe shall not exceed ten (10') feet.

5.4 All high and low points in a given pipe run shall have vent and drain ports respectively.

6.0 WELDING

6.1 All welding shall conform to the requirements of ASME B31.1 and ASME Section IX.

6.2 Each welding procedure to be used in construction of the project must be certified in accordance with the codes and each welder must be qualified in each welding procedure the welder performs. The CC is responsible for performing these certifications and qualifications using testing agencies qualified in accordance with the codes to perform this work.

6.3 All welding procedures and a list of all welders indicating welding procedure qualifications are to be submitted to URS for review and acceptance prior to starting of any welding activity. This includes shop fabrication welders and field welders. The CC, or fabrication shop, shall maintain on file all welder qualification records for URS' review during the construction process.

7.0 INSPECTION AND TESTING

7.1 A certified inspector, employed by the CC must visually inspect all welds. The inspector's qualifications must be reviewed and accepted by the URS prior to starting of welding.

7.1 URS reserves the right to cut out and test any butt weld to ensure the welds satisfy the welding procedure certification requirements. If the weld fails the test the CC shall incur the cost of the testing and repair of the joint. If the weld passes the test URS will incur the cost of the testing and repair of the joint.

7.2 No radiographic inspecting is anticipated. However, the CC shall provide in the proposal a cost per unit basis for radiographic testing of welds on a random basis.

8.0 PRESSURE TESTING

8.1 Each piping unit shall be hydrostatically tested to 1.5 times the system's design working pressure and held for at least two (2) hours. The test must be witnessed and verified by URS' Inspector. Each test must meet the following requirements:

8.1.1. The CC shall supply all materials (including water) and equipment necessary for the test. The hydrotest shall employ two (2) pressure gauges, one (1) dead weight tester, one (1) pressure recorder (chart type), and one (1) temperature recorder (chart type).

8.1.2. Fresh water mixed with a corrosion inhibitor used must be approved by URS prior to use. The water used shall be clean and free of contaminants such as silt, sand and rust. Substitution of an air test shall be permitted only with written approval from URS. CC is responsible for the proper disposal of the water once testing is complete. Condensate is available from Owner for testing of stainless steel systems.

8.1.3 A block valve shall never be tested in the closed position with pressures greater than the valve's working pressure. If a valve must be exposed to pressure greater than its working pressure, the valve shall be left "half" open to equalize through the valve body.

8.1.4 A check valve shall never be tested with a pressure greater than its working pressure against the flapper. If a valve must be exposed to pressure greater than its working pressure against the flapper, the flapper must be removed or pressure may be equalized across the valve by means of a jumper. Any valve flapper that is removed must be secured to or near the

valve during the test. Flapper replacement must be verified by URS' Inspector in writing.

8.1.5 All relief valves in the system shall be isolated from the test pressure. This may be accomplished by removing the valve and blind flanging or by installing a skillet at the valve's inlet flange.

8.1.6. Skillets must be installed at each point where the system pressure changes. The skillet shall be installed by slipping in between a flange pair. The diameter of the skillet shall match the raised face portion of the flange. The skillet shall have a handle that extends at least six (6") inches from the outside diameter of the flange. The skillet shall be installed with approved gaskets on both sides.

8.1.7. If blind flanges are used to isolate systems, the piping downstream that is disassembled must be hydrotested after reassembly.

8.1.8. Pressure vessels that have a working pressure equal to or greater than that of the system may be tested with the system. This is the preferred method. However, the following precautions must be taken:

a. The rupture disk and relief valve must be removed and blind flanges installed.

b. All sight glasses shall be tested to their working pressure, then isolated and vented.

8.2 Test Procedure - Prior to any testing, the CC shall provide a written test procedure to URS for approval. This procedure shall include the following information:

8.2.1. Drawings showing the location of all skillets, blind flanges, check valves with flappers removed and other modification to the system for the test.

8.2.2. Listing of systems to be tested including test pressure.

8.3 Notice of Testing - The CC shall provide URS twenty-four (24) hour notice prior to the start of any testing.

8.4 Acceptance of Testing - URS' Inspector shall accept the pressure test based on the following criteria:

8.4.1. The test was carried out in accordance with these Specifications and the CC's approved test procedure.

GA1
Galvanized Carbon Steel
Piping Specification

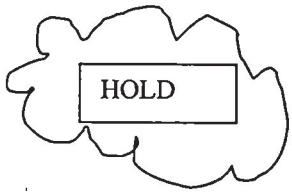
Service: **Potable Water / Service Water**

Temperature and Pressure Limits: 125 psi at 100° F
Primary Flange Rating: 125 PSIG

Item	Size	Description
Pipe:	¼" – 2"	ASTM A106 or A 53 Gr. B, Schedule 80, Screwed, galvanized
Fittings:	½" – 2"	ASTM A197 malleable iron, class 150, Screwed, galvanized
Flanges: Note 1	½" – 2"	ASTM A126 ANSI 126 Class flat face flange, Screwed
Pipe Nipples:	½" – 2"	ASTM A106, Gr. B, Sch.80, SMLS, Screwed, galvanized
Branch Conns:	½" – 2"	(use fittings)
Bolts:	Galvanized ASTM A307 stud-bolt and nuts	
Gaskets:	1/16" fiber full face	

Specialty Items:

SP-10 Safety Showers



Valves:

Gate Valves	
2" and smaller	Bronze gate valve, 200 psi CWP, bronze B62 body, disc, and stem, integral bronze seat, NPT ends, rising stem, Crane Figure 428 or approved equal.
Ball Valves	
2" and smaller	Bronze ball valve, 600 psi WOG, ASTM B584 Alloy 844 body, ASTM A-276 ball and stem, TFE packing and seat rings, conventional port, NPT ends. Nibco Figure Number T-560-BR-R-20 or approved equal.
Check Valves	
2" and smaller	Bronze swing check valve, 200 psi CWP, bronze B62 body and cap, B584 bronze hinge, brass disc (sizes ¼" – ¾") or bronze disc (sizes 1" – 2"), NPT ends. Crane Figure 37 or approved equal.
Globe Valves	
2" and smaller	Bronze globe valve, 200 psi CWP, ASTM B62 body, stem and bonnet, PTFE packing, NPT ends. Crane Figure 1 or approved equal.

Notes:

1. Piping system shall be all threaded. Flanges shall be used for equipment connections only.
2. Threaded joints shall use wrapped Teflon tape or pipe dope.

CS1
Carbon Steel
Piping Specification

Service: **Service Air, Cooling Air**

Temperature and Pressure Limits: 285 psi at 100 °F
110 psi at 700° F

Primary Flange Rating: 150 # ANSI

Item	Size	Description
Pipe:	1/2" – 2"	ASTM A 53 or A106 Gr. B, seamless, Schedule 80, PE
	3" and over	ASTM A 53 or A106 Gr. B, seamless, Standard Wt., PE
Fittings:	1/2" – 2"	ASTM A105, 3000#, Socket weld
	3" and over	ASTM A234 Gr. WPB, Standard Wt., BW
Flanges:	1/2" – 2"	ASTM A105, ANSI 150# raised face, Socket weld, Sch. 80 bore
	3" and over	ASTM A105, ANSI 150# raised face, Weld Neck, Standard Wt. or Slip On
Pipe Nipples:	1/2" – 2"	ASTM A106, Gr. B, Sch.80, SMLS, Screwed or PE
Branch: Conn. O-Lets	1/2"-2"	STM A105, 3000 lb Threadolet or Sockolet or Elbowlet
	3" and over	ASTM A105, Standard Wt. Weldolet
Bolts:		ASTM A193-B7 stud-bolt with A194-Gr. 2H nuts and washers

Gaskets: ANSI Class 150 Flexitallic spiral wound raised face gasket, 1/8" thick, 1/16" after compression.

Valves:

Gate Valves Note 1	
2" and smaller	Carbon steel gate valve, Class 800, 1975 psi WOG, A105 body and bonnet, conventional port, 13% chrome trim, hard face seats, OS&Y, standard handwheel, Socket weld, Vogt Figure SW12111 or approved equal.
3" and over	Carbon steel gate valve, 150 # ANSI Flanged, ASTM A216 Gr WCB body and bonnet, conventional port, 13% chrome trim, hard face seats, OS&Y, standard handwheel, Crane Figure No 47 or Approve Equal
Ball Valves	
1/2" - 2"	Carbon steel ball valve, 1500 lb WOG, ASTM A-108 Type 12L14 body, ASTM A-276 Type 316 ball and stem, reinforced TFE seat and packing, conventional port, NPT, lever handle, Nibco Model T-590-CS-R-66 or approved equal.
3" and over	Carbon steel flanged ball valve, 150 lb ANSI, ASTM A216 Gr. WCB body, ball, and stem chrome plated, reinforced TFE seat and packing, conventional port, lever handle, Nibco Model F-510-CS-R-25 or approved equal.
Check Valves	
2" and smaller	Class 800 swing check valve, 1975 psi CWP,ASTM A105 body and bonnet, 13% Cr. Trim, Bolted Bonnet, Socket weld. Vogt Figure SW 701 or approved equal.
3" and over	Carbon steel wafer check valve, 150 # ANSI, A216 Grade WCB body, 316 stainless steel trim Buna –N seals, Crane Duo-Chek II Style G or Approved Equal.

Notes:

1. Valves 8" and larger to be furnished with gear operators.
2. Use weld neck flanges adjacent to fittings. Use slip on flanges at all other locations.

Specialty Items

Hose connections

2" SP-1 304 SS, 2" Socket Weld x male kamlok hose connection with dust cap. OPW 733 AW ss20 and 733 DCL ss20

Y- Strainers

1/2 - 2" SP-3 Stainless Steel Y- Strainers, 1440 psi at 100 °F, ASTM A351 Gr. CF8M body, and Type 304, 40 mesh screen, (1/64 openings with 0.010 inch wire) Mueller 582 SS (with 40 mesh screen) or approved equal

Spray Nozzles

¼" ends SP-4 316 SS ¼" NPT connections with 0.020 orifices air atomizing nozzle. Spraying Systems Co ¼ JBC or approved equal

Air Filters

1 ½" SP-5 304 SS type "L" filter housing with auto drain valve, 300 psig maximum working pressure, single cartridge with dirt holding capacity, life number greater than 90. Pneumatic Products Co. Model PCS 134001 G 24 filter housing with POC 400SU cartridge and Model NLDI auto drain valve or approved equal.

Basket Strainers

1 ½" SP-6 Simplex Basket Strainer – 200 psi WOG, ANSI 150 # flanged ends, ASTM A351 Gr. CF8M body, and Type 304, 40 mesh screen, (1/64 openings with 0.010 inch wire) Mueller 125FSS (with 40 mesh screen) or approved equal

Metal Hoses; End connections to conform to this specification.

3/8" SP-7 Type 304L Stainless steel braided metal hoses, 275 psi minimum CWP, length and end connections as indicated on construction drawing M-110. Senior Flexonics hose type 461 or approve equal.

1/2" SP-9 Type 304L Stainless steel braided metal hoses, 275 psi minimum CWP, length and end connections as indicated on construction drawing M-110. Senior Flexonics hose type 461 or approve equal.

Valves:

Gate Valves	
1/2" –2"	Stainless steel gate valve, Class 800, 1920 WOG, Type 316SS body, bonnet and Trim, conventional port, OS&Y, standard handwheel, Socket weld, Vogt Figure SW12401 or approved equal.
Ball Valves	
½" - ¾" Note 1	Stainless steel ball valve, 1500 lb WOG, ASTM A-276 Type 316 body, ASTM A-276 Type 316 ball and stem, reinforced TFE seat and packing, conventional port, NPT, lever handle with padlock device to lock the valve open or close, Nibco Model T-590-S6-R-66 or approved equal.
1" – 2" Note 3	Stainless steel ball valve, 1500 lb WOG, ASTM A351 Gr. CF8M (1" – 2") body, ASTM A-276 Type 316 ball and stem, reinforced TFE seat and packing, conventional port, Socket weld, lever handle with padlock device to lock the valve open or close, Nibco Model K-590-S6-R-66 or approved equal.
2" and over	Stainless steel flanged ball valve, 150 lb ANSI, ASTM A351 Gr. CF8M body, and ball, ASTM A-276 Type 316 stem, reinforced TFE seat and packing, conventional port, lever handle with padlock device to lock the valve open or close, Nibco Model F-510-S6-R-66 or approved equal.
Check Valves	
2" and smaller	Class 800 swing check valve, 1920 psi CWP, Type 316SS body and bonnet and Trim, Bolted Bonnet, Socket weld. Vogt Figure SW 718 or approved equal
3" and over	Stainless steel wafer check valve, 150 # ANSI, A351 Grade CF8M body, 316 stainless steel trim, Buna–N seals, Crane Duo-Chek II Style G or Approved Equal

3 – Way Valves

1 ½ " and over	Stainless steel flanged 3 way ball valve, L port with branch port common to both run ports, 150 lb ANSI, ASTM A351 Gr. CF8 body, and ball, ASTM A-276 Type 304 stem, reinforced PTFE seat and packing, full port, lever handle, KTM Model E03100 or approved equal.

Notes:

1. Use on instrument connections only.
2. Copper or copper alloys shall not be used in ammonia service.
3. In line valves
4. Use weld neck flanges adjacent to fittings, use slip on at all other locations.

SS2
Stainless Steel Tubing
Specification

Service: **Aqueous Ammonia, Atomizing Air**

Temperature and Pressure Limits: 275 psi at 100°F
110 psi at 700°F

Item	Size	Description
Tube:	¼" – 5/8"	ASTM A-269 Type 316, Seamless, Stainless Steel Tubing, .035 wall
	5/8" – 1 ½"	ASTM A-269 Type 316, Seamless, Stainless Steel Tubing, .065 wall
Fittings:	¼" – 1 1/2"	Swagelok Tube Fittings, Type 316 Stainless Steel
Valves:		
Ball Valve-		
	½" – 1"	Ball valve, Type 316 Stainless Steel body, ball and stem, Reinforced TFE seats, Threaded or Swagelok ends, Whitey or Approve Equal
Check Valve		
	½" – 1"	Lift Check valve, Type 316 Stainless Steel body and bonnet, TFE seat disc, Threaded or Swagelok ends, Whitey Series 50

CT1
Copper Tubing
Specification

Service: **Instrument Air**

Temperature and Pressure Limits: 494 psi at 100°F

Item	Size	Description
Tube:	¼" – 2"	ASTM B-88, Type L hard copper tubing
Fittings:	¼" – 2"	ASME/ANSI B16.22 Wrought copper solder joint fittings or straight brass compression type fittings
Valves:		
Ball Valve-		
½" – 2"		Bronze ball valve, 400 psi WOG, ASTM B-584 body, ASTM 316SS ball and stem, Reinforced TFE seats, Solder ends. Nibco S-580-66 or approved equal.
Check Valve		
½" – 2"		Bronze check valve, Class 150, 300 psi WOG, ASTM B-62 body and bonnet, TFE seat disc, Solder ends. Nibco S-433 or approved equal.

CSD
Carbon Steel Ducting
Piping Specification

Service: Cooling Air

Temperature and Pressure Limits: 1 psi at 100° F
Primary Flange Rating: None

Item	Size	Description
Pipe:	½" – 2"	ASTM A106 or A 53 Gr. B, Schedule 80, Screwed, galvanized
	3" – 10"	Galvanized 10 gauge carbon steel rolled and welded sheet metal
Fittings:	½" – 2"	ASTM A105 forged steel, class 2000, Screwed, galvanized
Flanges: Note 1	½" – 2"	None
Pipe Nipples:	½" – 2"	ASTM A106, Gr. B, Sch.80, SMLS, Screwed, galvanized
Branch Conns:	½" – 2"	Use fittings
Fittings	3" 10"	Fabricate with welded miter sheet metal, elbows to be 4 mitered segments, minimum
Bolts:	Galvanized ASTM A307 stud-bolt and nuts	
Gaskets:	1/16" fiber full face	

Specialty Items

Metal Hoses

SP 2 Galvanized steel discharge damper designed for 35 " of differential water pressure with spring return pneumatic operator, solenoid valve and filter regulator, Size to

match blower discharge opening. Greenheck model HCD-430 with Power Controls No. 6 spring return actuator, ASCO 8320G47 24vDC solenoid valve and Fisher 67 AFR filter regulator, approved equal.

SP 8 — 2 " diameter Series 300 Type Stainless steel braided metal hoses, 275 psi minimum CWP, length and end connections as indicated on construction drawing M-110. Senior Flexonics hose type one braid or approve equal.

Valves:

Gate Valves

2" and smaller	Bronze gate valve, bronze B62 body, disc, and stem, integral bronze seat, NPT ends, lever handle.

Ball Valves

2" and smaller	Bronze ball valve, ASTM B584 Alloy 844 body, ASTM A-276 ball and stem, TFE packing and seat rings, conventional port, NPT ends. Nibco Figure Number T-580-66 or approved equal.

Check Valves

2" and smaller	Bronze swing check valve, bronze B62 body and cap, B584 bronze hinge, brass disc (sizes ¼" – ¾") or bronze disc (sizes 1" – 2"), NPT ends. or approved equal.

Butterfly Valves / Dampers

3" and larger	Fabricated buttery fly type with position indicator and locking device.

Notes:

1. Submit dampers designs for approval before fabrication
2. Threaded joints shall use wrapped Teflon tape or pipe dope.

URS

PIPING LINE LIST

JOB NO.: 45267-012
CLIENT: RELIANT ENERGY

PROJECT TITLE: Nox REDUCTION PROJECT
DISCIPLINE: MECHANICAL / PIPING

FILE NAME: MECH/DWGS/DET_DESIGN/LL
DATE: 10/04/02

LINE NO.	LINE SIZE	PIPE SPEC.	SERVICE	FROM EQUIPMENT NUMBER	TO EQUIPMENT NUMBER	INSUL. THICK.	DES. PRESS. / OPP. PRESS	DES. TEMP. / OPP. TEMP.	TIE-IN NUMBER	TEST PRESS.	REMARKS
100	2"	CS1	PA	EXIST PLANT AIR HEADER	UNIT 2 A.I.G.				012-7		
101	2"	CS1	PA	2"-PA-100-CS1	UNIT 1 A.I.G.						
102	10"	CSD	CA	COOLING AIR BLOWER B-100B	10"-CA-103-CSD						
103	10"/8"	CSD	CA	COOLING AIR BLOWER B-100A	UNIT NO. 1 EAST A.I.G.						
104	8"	CSD	CA	10"-CA-103-CSD	UNIT NO. 1 WEST A.I.G.						
105	2"	CSD	CA	8"-CA-103-CSD	UNIT NO. 1 EAST A.I.G.						
106	2"	CSD	CA	8"-CA-104-CSD	UNIT NO. 1 WEST A.I.G.						
107											
108	6"	CS1	D	EXIST UNIT 1 ECONOM DRAINS	GRADE				003-14 & 15 004-14 & 15		ISO. M-801
109	6"	CS1	D	EXIST UNIT 2 ECONOM DRAINS	GRADE				007-14 & 15 008-14 & 15		ISO. M-800
110											
111											
112	10"	CSD	CA	COOLING AIR BLOWER B-200B	10"-CA-113-CSD						
113	10"	CSD	CA	COOLING AIR BLOWER B-200A	UNIT NO. 2 EAST A.I.G.						
114	8"	CSD	CA	8"-CA-113-CSD	UNIT NO. 2 WEST A.I.G.						
115	2"	CSD	CA	8"-CA-113-CSD	UNIT NO. 2 EAST A.I.G.						
116	2"	CSD	CA	8"-CA-114-CSD	UNIT NO. 2 WEST A.I.G.						

URS

PIPING LINE LIST

JOB NO.: 45267-012
CLIENT: RELIANT ENERGY

PROJECT TITLE: Nox REDUCTION PROJECT
DISCIPLINE: MECHANICAL / PIPING

FILE NAME: MECH/DWGS/DET_DESIGN/LL
DATE: 10/04/02

LINE NO.	LINE SIZE	PIPE SPEC.	SERVICE	FROM EQUIPMENT NUMBER	TO EQUIPMENT NUMBER	INSUL. THICK.	DES. PRESS. / OPP. PRESS	DES. TEMP. / OPP. TEMP.	TIE-IN NUMBER	TEST PRESS.	REMARKS
117											
118											
119											
120											
121											
122											
123											
124											
125											
126											
127											
128											
129											
130											
131											

URS

PIPING LINE LIST

JOB NO.: 45267-012
CLIENT: RELIANT ENERGY

PROJECT TITLE: Nox REDUCTION PROJECT
DISCIPLINE: MECHANICAL / PIPING

FILE NAME: MECH/DWGS/DET_DESIGN/LL
DATE: 10/04/02

LINE NO.	LINE SIZE	PIPE SPEC.	SERVICE	FROM EQUIPMENT NUMBER	TO EQUIPMENT NUMBER	INSUL. THICK.	DES. PRESS. / OPP. PRESS	DES. TEMP. / OPP. TEMP.	TIE-IN NUMBER	TEST PRESS.	REMARKS
200											
201											
202											
203											
204	1 1/2"	SS1	AA	2"-PA-101-CS1	UNIT NO. 1 EAST A.I.G.						
205	1 1/2"	SS1	AA	2"-PA-101-CS1	UNIT NO. 1 WEST A.I.G.						
206											
207											
208											
209											
210											
211											
212	1/2"	SS1	AA	1 1/2"-AA-205-SS1	UNIT NO. 1 WEST A.I.G.						
213	1/2"	SS1	AA	1 1/2"-AA-204-SS1	UNIT NO. 1 EAST A.I.G.						
214	1/2"	SS1	AA	1 1/2"-AA-224-SS1	UNIT NO. 2 EAST A.I.G.						
215	1/2"	SS1	AA	1 1/2"-AA-225-SS1	UNIT NO. 2 WEST A.I.G.						
216											

URS

PIPING LINE LIST

JOB NO.: 45267-012
CLIENT: RELIANT ENERGY

PROJECT TITLE: Nox REDUCTION PROJECT
DISCIPLINE: MECHANICAL / PIPING

FILE NAME: MECH/DWGS/DET_DESIGN/LL
DATE: 10/04/02

LINE NO.	LINE SIZE	PIPE SPEC.	SERVICE	FROM EQUIPMENT NUMBER	TO EQUIPMENT NUMBER	INSUL. THICK.	DES. PRESS. / OPP. PRESS	DES. TEMP. / OPP. TEMP.	TIE-IN NUMBER	TEST PRESS.	REMARKS
217											
218											
219											
220											
221											
222											
223											
224	1 1/2"	SS1	AA	2"-PA-100-CS1	UNIT NO. 2 EAST A.I.G.						
225	1 1/2"	SS1	AA	2"-PA-100-CS1	UNIT NO. 2 WEST A.I.G.						
226											
227											
228											
229											
230											
231											

URS

PIPING LINE LIST

JOB NO.: 45267-012
CLIENT: RELIANT ENERGY

PROJECT TITLE: Nox REDUCTION PROJECT
DISCIPLINE: MECHANICAL / PIPING

FILE NAME: MECH/DWGS/DET_DESIGN/LL
DATE: 10/04/02

LINE NO.	LINE SIZE	PIPE SPEC.	SERVICE	FROM EQUIPMENT NUMBER	TO EQUIPMENT NUMBER	INSUL. THICK.	DES. PRESS. / OPP. PRESS	DES. TEMP. / OPP. TEMP.	TIE-IN NUMBER	TEST PRESS.	REMARKS
300	2"	SS1	NHL	TANK TRUCK UNLOADING STATION	AMMONIA STORAGE TANK T-001						
301	2"	SS1	NHV	AMMONIA STORAGE TANK T-001	TANK TRUCK UNLOADING STATION						
302	2"/1"	SS1	NHL	AMMONIA STORAGE TANK T-001	AQUEOUS AMMONIA PUMP P-001A						
303	1 1/2"/1"	SS1	NHL	AQUEOUS AMMONIA PUMP P-001A	UNIT NO. 2 WEST A.I.G.						
304	1"	SS1	NHL	2"-NHL-302-SS1	AQUEOUS AMMONIA PUMP P-001B						
305	1"	SS1	NHL	AQUEOUS AMMONIA PUMP P-001B	1 1/2"-NHL-303-SS1						
306	1"	SS1	NHL	1 1/2"-NHL-303-SS1	AMMONIA STORAGE TANK T-001						
307	1"	SS1	NHL	1"-NHL-306-SS1	2"-NHV-301-SS1						
308	1 1/2"	SS1	NHL	1 1/2"-NHL-303-SS1	UNIT NO. 2 EAST A.I.G.						
309	1 1/2"	SS1	NHL	1 1/2"-NHL-303-SS1	UNIT NO. 1 EAST A.I.G.						
310	1 1/2"	SS1	NHL	1 1/2"-NHL-309-SS1	UNIT NO. 1 WEST A.I.G.						
311	1/2"	SS1	NHL	1 1/2"-NHL-310-SS1	UNIT NO. 1 WEST A.I.G.						
312	1/2"	SS1	NHL	1 1/2"-NHL-309-SS1	UNIT NO. 1 EAST A.I.G.						
313	1/2"	SS1	NHL	1 1/2"-NHL-308-SS1	UNIT NO. 2 EAST A.I.G.						
314	1/2"	SS1	NHL	1 1/2"-NHL-303-SS1	UNIT NO. 2 WEST A.I.G.						
315	1"	SS1	NHL	1 1/2"-NHL-303-SS1	1"-NHL-316-SS1						
316	1"	SS1	NHL	1 1/2"-NHL-303-SS1	1"-NHL-306-SS1						

URS

PIPING LINE LIST

JOB NO.: 45267-012
CLIENT: RELIANT ENERGY

PROJECT TITLE: Nox REDUCTION PROJECT
DISCIPLINE: MECHANICAL / PIPING

FILE NAME: MECH/DWGS/DET_DESIGN/LL
DATE: 10/04/02

LINE NO.	LINE SIZE	PIPE SPEC.	SERVICE	FROM EQUIPMENT NUMBER	TO EQUIPMENT NUMBER	INSUL. THICK.	DES. PRESS. / OPP. PRESS	DES. TEMP. / OPP. TEMP.	TIE-IN NUMBER	TEST PRESS.	REMARKS
317	1"	SS1	NHL	1"-NHL-305-SS1	1"-NHL-316-SS1						
318	1"	SS1	NHL	1 1/2"-NHL-303-SS1	WATER TREATMENT BUILDING						
319	2"	SS1	NHL	T-001	PSV-301A & B						
320	3"	SS1	NHL	PSV-301A	TO ATMOS						
321	3"	SS1	NHL	PSV-301B	TO ATMOS						
322	2"	SS1	NHL	VSV-301A/B	T-001						
400	1 1/2"	CT1	IA	EXIST. 2 1/2" INSTR. AIR HEADERS	USERS				012-1 & 2		
401	1 1/2"	CT1	IA	1 1/2"-IA-400-CT1	USERS						
402	1 1/2"	CT1	IA	EXIST. 2 1/2" INSTR. AIR HEADERS	USERS				012-3 & 4		
403	1 1/2"	GA1	PW	EXIST. 2" POTABLE WATER HEADER	S.S.& E.W. AT UNLOADING AREA				012-5		
404	1 1/2"	GA1	PW	1 1/2"-PW-403-GA1	S.S.& E.W. AT AMMONIA STG. AREA						
405	1 1/2"	GA1	PW	1 1/2"-PW-403-GA1	S.S.& E.W. AT UNIT 1 AMMONIA INJECTION						
406	1 1/2"	GA1	PW	3"-PW-406-CT1	S.S.& E.W. AT UNIT 2 AMMONIA INJECTION						
407	3"	CT1	PW	EXIST. 3" POTABLE WATER	EXIST. 3" POTABLE WATER				010-3 012-6		
408	6"	CS1	PW	EXIST DRAIN FR. HDR. TANK	DISTRIBUTION				010-4, 16 & 17		
409	4"	CS1	PW	BOILER FILL POTABLE WATER	BOILERS 1 & 2				010-5, 6 & 7		

URS

PIPING LINE LIST

JOB NO.: 45267-012
CLIENT: RELIANT ENERGY

PROJECT TITLE: Nox REDUCTION PROJECT
DISCIPLINE: MECHANICAL / PIPING

FILE NAME: MECH/DWGS/DET_DESIGN/LL
DATE: 10/04/02

LINE NO.	LINE SIZE	PIPE SPEC.	SERVICE	FROM EQUIPMENT NUMBER	TO EQUIPMENT NUMBER	INSUL. THICK.	DES. PRESS. / OPP. PRESS	DES. TEMP. / OPP. TEMP.	TIE-IN NUMBER	TEST PRESS.	REMARKS
410	4"	CS1	PW	POTABLE WATER HEADER	SAMPLE STNS AND CHLORINE HOUSE				010-13, 14 & 15		
411	6"	CS1	PW	SERVICE WATER HEADER	L.P. FIREWATER SYSTEM				010-8 & 9		
412	6"	CS1	PW	SERVICE WATER HEADER	HEAD TANK				010-1, 2 & 10		
413	4"	CS1	PW	SERVICE WATER HEADER	L.P. FIREWATER SYSTEM				010-11, & 12		

URS

PIPING TIE-IN LIST

JOB NO.: 45267-012
CLIENT: RELIANT ENERGY

PROJECT TITLE: ETIWANDA PLANT-NOx REDUCTION PROJECT
DISCIPLINE: MECHANICAL

FILE NAME: 45267_M_TL
DATE: 10/04/02

TIE-IN NUMBER	LINE NUMBER	TYPE OF TIE-IN	FLOWSHEET NUMBER	PIPING ISOMETRIC	PIPING DRAWING NO.	DEMOLITION DRAWING NO.
003-1	DUCT	NOZZLE WELD	P-003			
003-2	DUCT	NOZZLE WELD	P-003			
003-3	DUCT	NOZZLE WELD	P-003			
003-4	DUCT	NOZZLE WELD	P-003			
003-5	DUCT	NOZZLE WELD	P-003			
003-6	DUCT	NOZZLE WELD	P-003			
003-7	DUCT	NOZZLE WELD	P-003			
003-8	DUCT	NOZZLE WELD	P-003			
003-9	DUCT	NOZZLE WELD	P-003			
003-10	DUCT	NOZZLE WELD	P-003			
003-11	DUCT	ANGLE FLANGE	P-003			
003-12	DUCT	ANGLE FLANGE	P-003			
003-13	DUCT	NOZZLE WELD	P-003			
003-14	6"-D-108-CS1	FLG.	P-003			
003-15	6"-D-108-CS1	FLG.	P-003			

URS

PIPING TIE-IN LIST

JOB NO.: 45267-012
CLIENT: RELIANT ENERGY

PROJECT TITLE: ETIWANDA PLANT-NOx REDUCTION PROJECT
DISCIPLINE: MECHANICAL

FILE NAME: 45267_M_TL
DATE: 10/04/02

TIE-IN NUMBER	LINE NUMBER	TYPE OF TIE-IN	FLOWSHEET NUMBER	PIPING ISOMETRIC	PIPING DRAWING NO.	DEMOLITION DRAWING NO.
004-1	DUCT	NOZZLE WELD	P-004			
004-2	DUCT	NOZZLE WELD	P-004			
004-3	DUCT	NOZZLE WELD	P-004			
004-4	DUCT	NOZZLE WELD	P-004			
004-5	DUCT	NOZZLE WELD	P-004			
004-6	DUCT	NOZZLE WELD	P-004			
004-7	DUCT	NOZZLE WELD	P-004			
004-8	DUCT	NOZZLE WELD	P-004			
004-9	DUCT	NOZZLE WELD	P-004			
004-10	DUCT	NOZZLE WELD	P-004			
004-11	DUCT	ANGLE FLANGE	P-004			
004-12	DUCT	ANGLE FLANGE	P-004			
004-13	DUCT	NOZZLE WELD	P-004			
004-14	6"-D-108-CS1	FLG.	P-004			
004-15	6"-D-108-CS1	FLG.	P-004			

URS

PIPING TIE-IN LIST

JOB NO.: 45267-012
CLIENT: RELIANT ENERGY

PROJECT TITLE: ETIWANDA PLANT-NOx REDUCTION PROJECT
DISCIPLINE: MECHANICAL

FILE NAME: 45267_M_TL
DATE: 10/04/02

TIE-IN NUMBER	LINE NUMBER	TYPE OF TIE-IN	FLOWSHEET NUMBER	PIPING ISOMETRIC	PIPING DRAWING NO.	DEMOLITION DRAWING NO.
007-1	DUCT	NOZZLE WELD	P-007			
007-2	DUCT	NOZZLE WELD	P-007			
007-3	DUCT	NOZZLE WELD	P-007			
007-4	DUCT	NOZZLE WELD	P-007			
007-5	DUCT	NOZZLE WELD	P-007			
007-6	DUCT	NOZZLE WELD	P-007			
007-7	DUCT	NOZZLE WELD	P-007			
007-8	DUCT	NOZZLE WELD	P-007			
007-9	DUCT	NOZZLE WELD	P-007			
007-10	DUCT	NOZZLE WELD	P-007			
007-11	DUCT	ANGLE FLANGE	P-007			
007-12	DUCT	ANGLE FLANGE	P-007			
007-13	DUCT	NOZZLE WELD	P-007			
007-14	6"-D-109-CS1	FLG.	P-007			
007-15	6"-D-109-CS1	FLG.	P-007			

URS

PIPING TIE-IN LIST

JOB NO.: 45267-012
CLIENT: RELIANT ENERGY

PROJECT TITLE: ETIWANDA PLANT-NOx REDUCTION PROJECT
DISCIPLINE: MECHANICAL

FILE NAME: 45267_M_TL
DATE: 10/04/02

TIE-IN NUMBER	LINE NUMBER	TYPE OF TIE-IN	FLOWSHEET NUMBER	PIPING ISOMETRIC	PIPING DRAWING NO.	DEMOLITION DRAWING NO.
008-1	DUCT	NOZZLE WELD	P-008			
008-2	DUCT	NOZZLE WELD	P-008			
008-3	DUCT	NOZZLE WELD	P-008			
008-4	DUCT	NOZZLE WELD	P-008			
008-5	DUCT	NOZZLE WELD	P-008			
008-6	DUCT	NOZZLE WELD	P-008			
008-7	DUCT	NOZZLE WELD	P-008			
008-8	DUCT	NOZZLE WELD	P-008			
008-9	DUCT	NOZZLE WELD	P-008			
008-10	DUCT	NOZZLE WELD	P-008			
008-11	DUCT	ANGLE FLANGE	P-008			
008-12	DUCT	ANGLE FLANGE	P-008			
008-13	DUCT	NOZZLE WELD	P-008			
OO8-14	6"-D-109-CS1	FLG.	P-008			
008-15	6"-D-109-CS1	FLG.	P-008			

URS

PIPING TIE-IN LIST

JOB NO.: 45267-012
CLIENT: RELIANT ENERGY

PROJECT TITLE: ETIWANDA PLANT-NOx REDUCTION PROJECT
DISCIPLINE: MECHANICAL

FILE NAME: 45267_M_TL
DATE: 10/04/02

TIE-IN NUMBER	LINE NUMBER	TYPE OF TIE-IN	FLOWSHEET NUMBER	PIPING ISOMETRIC	PIPING DRAWING NO.	DEMOLITION DRAWING NO.
010-1	6"-PW-412-CS1	BW	P-010			
010-2	6"-PW-412-CS1	BW	P-010			
010-3	3"-PW-407-CT1	BW	P-010			
010-4	6'-PW-408-CS1	BW	P-010			
010-5	4"-PW-409-CS1	FLG	P-010			
010-6	4"-PW-409-CS1	BW	P-010			
010-7	4"-PW-409-CS1	FLG	P-010			
010-8	6"-PW-411-CS1	BW	P-010			
010-9	6"-PW-411-CS1	BW	P-010			
010-10	6"-PW-411-CS1	BW	P-010			
010-11	4"-PW-413-CS1	FLG	P-010			
010-12	4"-PW-413-CS1	FLG	P-010			
010-13	4"-PW-410-CS1	FLG	P-010			
010-14	3"-PW-410-CS1	BW	P-010			
010-15	1 1/2"-PW-410-CS1	BW	P-010			
010-16	6'-PW-408-CS1	BW	P-010			
010-17	6'-PW-408-CS1	BW	P-010			

URS

PIPING TIE-IN LIST

JOB NO.: 45267-012
CLIENT: RELIANT ENERGY

PROJECT TITLE: ETIWANDA PLANT-NOx REDUCTION PROJECT
DISCIPLINE: MECHANICAL

FILE NAME: 45267_M_TL
DATE: 10/04/02

TIE-IN NUMBER	LINE NUMBER	TYPE OF TIE-IN	FLOWSHEET NUMBER	PIPING ISOMETRIC	PIPING DRAWING NO.	DEMOLITION DRAWING NO.
011-1	1/2"-NHL-318-SS1	1/2" SCRD.	P-011	NONE		
012-1	1 1/2"-IA-400-CT1	2 1/2"x 1 1/2" COPPER TEE	P-012	NONE		
012-2	1 1/2"-IA-400-CT1	2 1/2"x 1 1/2" COPPER TEE	P-012	NONE		
012-3	1 1/2"-IA-402-CT1	2 1/2"x 1 1/2" COPPER TEE	P-012	NONE		
012-4	1 1/2"-IA-402-CT1	2 1/2"x 1 1/2" COPPER TEE	P-012	NONE		
012-5	1 1/2"-PW-403-GA1	2"x 1 1/2" THRED. TEE	P-012	NONE		
012-6	3"-PW-407-CT1	BW	P-012	NONE		
012-7	2"-PA-100-CS1	4"x2" SOL	P-012	NONE		

URS

DRAWING REGISTER

JOB NO: 45267-012
CLIENT: RELIANT ENERGY

PROJECT TITLE : ETIWANDA SCR
DISCIPLINE : MECHANICAL, CIVIL/STRUCTURAL, ELECTRICAL, INSTRUMENTATION

FILE NAME: DRAWING REGISTER
DATE: 10/08/02

URS DWG. NO.	CLIENT DWG. NO.	TITLE	% COMP.	REV. / DATE	REV. / DATE	REV. / DATE	REV. / DATE
		MECHANICAL					
P-001		UNIT NO. 1 PROCESS FLOW DIAGRAM	100	A 03/06/02	D 07/18/02	0 10/04/02	
P-002		UNIT NO. 2 PROCESS FLOW DIAGRAM	100	A 03/06/02	D 07/18/02	0 10/04/02	
P-003		UNIT NO. 1 EAST - AMMONIA INJECTION & SCR PIPING & INSTRUMENT DIAGRAM	100	A 37321	D 37455	0 37533	
P-004		UNIT NO. 1 WEST - AMMONIA INJECTION & SCR PIPING & INSTRUMENT DIAGRAM	100	A 03/06/02	D 07/18/02	0 10/04/02	
P-005		UNIT NO. 1 EAST & WEST - COOLING AIR BLOWERS PIPING & INSTRUMENT DIAGRAM	100	A 03/06/02	D 07/18/02	0 10/04/02	
P-007		UNIT NO. 2 EAST - AMMONIA INJECTION & SCR PIPING & INSTRUMENT DIAGRAM	100	A 03/06/02	D 07/18/02	0 10/04/02	
P-008		UNIT NO. 2 WEST - AMMONIA INJECTION & SCR PIPING & INSTRUMENT DIAGRAM	100	A 03/06/02	D 07/18/02	0 10/04/02	
P-009		UNIT NO. 2 EAST & WEST - COOLING AIR BLOWERS PIPING & INSTRUMENT DIAGRAM	100	A 03/06/02	D 07/18/02	0 10/04/02	
P-010		UNITS NO. 1 & 2 - PROCESS UTILITIES PIPING & INSTRUMENT DIAGRAM	100	A 07/18/02	0 10/04/02		
P-011		UNITS NO. 1 & 2 - AMMONIA STORAGE & UNLOADING PIPING & INSTRUMENT DIAGRAM	100	A 03/06/02	D 07/18/02	0 10/04/02	
P-012		PROCESS UTILITIES PIPING & INSTRUMENT DIAGRAM	100	A 03/06/02	D 07/18/02	0 10/04/02	
P-015		PIPING AND INSTRUMENT DIAGRAM STANDARD SYMBOLS AND LEGEND	100	A 06/07/02	B 07/18/02	0 10/04/02	
M-097		TITLE DRAWING MECHANICAL	100	0 10/04/02			
M-098		STATION LOCATION PLAN	100	A	0 10/04/02		
M-099		AREA KEY PLAN UNITS 1 & 2	100	A	0 10/04/02		
M-100		UNIT NO. 1 - GRADE TO EL. 40'-10 3/4" PIPING PLAN	100	A	0 10/04/02		
M-101		UNIT NO. 1 - EL. 40'-10 3/4" & ABOVE PIPING PLAN	100	A	0 10/04/02		

URS

DRAWING REGISTER

JOB NO: 45267-012 PROJECT TITLE : ETIWANDA SCR FILE NAME: DRAWING REGISTER

CLIENT: RELIANT ENERGY DISCIPLINE : MECHANICAL, CIVIL/STRUCTURAL, ELECTRICAL, INSTRUMENTATION DATE: 10/08/02

URS DWG. NO.	CLIENT DWG. NO.	TITLE	% COMP.	REV.	REV.	REV.	REV.
				DATE	DATE	DATE	DATE
M-102		UNIT NO. 1 PIPING SECTION	100	A	0 37533		
M-103		UNIT NO. 1 EAST SECTIONS & DETAILS	100	A	0 10/04/02		
M-104		UNIT NO. 1 WEST SECTIONS & DETAILS	100	A	0 10/04/02		
M-105		UNIT NO. 1 - AMMONIA INJECTION AREA PARTIAL PIPING PLAN	100	A	0 10/04/02		
M-106		UNIT NO. 1 - AMMONIA INJECTION AREA PIPING SECTIONS	100	A	0 10/04/02		
M-107		UNIT NO. 1- AMMONIA INJECTION AREA PIPING SECTIONS	100	A	0 10/04/02		
M-108		UNIT NO. 1- AMMONIA INJECTION AREA PIPING SECTION	100	A	0 10/04/02		
M-109		UNIT NO. 1 - EAST GRADE TO EL. 40'-10 3/4" PIPING PLAN AND SECTIONS	100	A	0 10/04/02		
M-110		UNITS NO. 1 & 2 - AMMONIA INJECTION AREA PIPING DETAILS	100	A	0 10/04/02		
M-111		UNITS NO. 1 & NO. 2 - AMMONIA INJECTION LANCE DETAILS	100	A	0 10/04/02		
M-112		UNIT NO. 1 - AMMONIA INJECTION AREA RELOCATED PIPING PLAN	100	A	0 10/04/02		
M-113		UNIT NO. 1 - AMMONIA INJECTION AREA RELOCATED PIPING SECTION	100	A	0 10/04/02		
M-200		UNIT NO. 2 - GRADE TO EL. 40'-10 3/4" PIPING PLAN	100	A	0 10/04/02		
M-201		UNIT NO. 2 - EL. 40'-10 3/4" & ABOVE PIPING PLAN	100	A	0 10/04/02		
M-202		UNIT NO. 2 PIPING SECTION	100	A	0 10/04/02		
M-203		UNIT NO. 2 - EAST SECTIONS & DETAILS	100	A	0 10/04/02		
M-204		UNIT NO. 2 - WEST SECTIONS & DETAILS	100	A	0 10/04/02		
M-205		UNIT NO. 2 - AMMONIA INJECTION AREA PARTIAL PIPING PLAN	100	A	0 37533		

URS

DRAWING REGISTER

JOB NO: 45267-012
CLIENT: RELIANT ENERGY

PROJECT TITLE : ETIWANDA SCR
DISCIPLINE : MECHANICAL, CIVIL/STRUCTURAL, ELECTRICAL, INSTRUMENTATION

FILE NAME: DRAWING REGISTER
DATE: 10/08/02

URS DWG. NO.	CLIENT DWG. NO.	TITLE	% COMP.	REV.	REV.	REV.	REV.
				DATE	DATE	DATE	DATE
M-206		UNIT NO. 2 - AMMONIA INJECTION AREA PIPING SECTIONS	100	A	0		
					10/04/02		
M-207		UNIT NO. 2 - AMMONIA INJECTION AREA PIPING SECTIONS	100	A	0		
					10/04/02		
M-208		UNIT NO. 2 - AMMONIA INJECTION AREA PIPING SECTION	100	A	0		
					10/04/02		
M-209		UNIT NO. 2 WEST - GRADE TO EL. 40'-10 3/4" PIPING PLAN	100	A	0		
					10/04/02		
M-210		UNIT NO. 2 - AMMONIA INJECTION AREA RELOCATED PIPING PLAN	100	A	0		
					10/04/02		
M-211		UNIT NO. 2 - AMMONIA INJECTION AREA RELOCATED PIPING SECTIONS	100	A	0		
					10/04/02		
M-212		UNIT NO. 2 - AMMONIA INJECTION AREA RELOCATED PIPING SECTIONS	100	A	0		
					10/04/02		
M-300		AMMONIA SYSTEM PLOT PLAN	100	A	0		
					10/04/02		
M-301		AMMONIA STOR. & UNLOADING PIPING PLAN	100	A	0		
					10/04/02		
M-302		AMMONIA STOR. & UNLOADING PIPING SECTIONS & DETAILS	100	A	0		
					10/04/02		
M-303		AMMONIA STOR. & UNLOADING PIPING PLAN & SECTIONS	100	A	0		
					10/04/02		
M-403		UNITS NO. 1 & 2 - EAST S.C.R. INLET DUCT MODIFICATIONS	100	A	0		
				06/14/02	10/04/02		
M-404		UNITS NO. 1 & 2 - EAST S.C.R. INLET DUCT MODIFICATIONS	100	A	0		
				04/29/02	10/04/02		
M-405		UNITS NO. 1 & 2 - WEST S.C.R. INLET DUCT MODIFICATIONS	100	A	0		
				06/25/02	10/04/02		
M-406		UNITS NO. 1 & 2 - WEST S.C.R. INLET DUCT MODIFICATIONS	100	A	0		
				06/25/02	10/04/02		
M-407		UNITS NO. 1 & 2 S.C.R. EXPANSION JOINTS	100	A	B		
				06/24/02	10/04/02		
M-500		AMMONIA STORAGE VESSEL DATA SHEET	100	A	B		
				06/15/01	10/04/02		
M-501		PIPING DUMMY LEGS	100	A	0		
					10/04/02		

URS

DRAWING REGISTER

JOB NO: 45267-012
CLIENT: RELIANT ENERGY

PROJECT TITLE : ETIWANDA SCR
DISCIPLINE : MECHANICAL, CIVIL/STRUCTURAL, ELECTRICAL, INSTRUMENTATION

FILE NAME: DRAWING REGISTER
DATE: 10/08/02

URS DWG. NO.	CLIENT DWG. NO.	TITLE	% COMP.	REV.	REV.	REV.	REV.
				DATE	DATE	DATE	DATE
M-502		DUMMY LEGS/BASES/HANGERS	100	A	0		
					10/04/02		
M-503		VENTS & DRAINS	100	A	0		
					10/04/02		
		CIVIL/STRUCTURAL					
C 001		TITLE SHEET DRAWING INDEX	100	0			
				10/04/02			
C 002		GENERAL NOTE SHEET	100	0			
				10/04/02			
C 101		NH3 UNLOADING, LOCATION PLAN	100	0			
				10/04/02			
C 102		NH3 UNLOADING, AMMONIA STORAGE CONTAINMENT AREA	100	0			
				10/04/02			
C103		NH3 UNLOADING, NEW AREA PAVING	100	0			
				10/04/02			
C 104		NH3 UNLOADING, TRUCK UNLOADING AREA	100	0			
				10/04/02			
C 105		NH3 UNLOADING, MISCELLANEOUS SECTIONS AND DETAILS	100	0			
				10/04/02			
C 106		NH3 UNLOADING, MISCELLANEOUS FOUNDATION DETAILS	100	0			
				10/04/02			
C 107		NH3 STORAGE AREA, STRUCTURAL STEEL PLAN AND SECTIONS	100	0			
				10/04/02			
C 108		NH3 STORAGE AREA, STRUCTURAL STEEL PLATFORM AND STEEL DETAILS	100	0			
				10/04/02			
C 201		NH3 INJECTION GRID PLATFORM, FOUNDATION PLAN SECTION AND DETAILS	100	0			
				10/04/02			
C 202		NH3 INJECTION GRID PLATFORM, STRUCTURAL STEEL PLAN, SECTIONS AND DETAILS	100	0			
				10/04/02			
C 203		NH3 INJECTION GRID PLATFORM, STRUCTURAL STEEL PLAN AND SECTIONS	100	0			
				10/04/02			
C 206		EXISTING DUCT MODIFICATIONS, TURNING VANE LOCATIONS - UNITS 1 & 2 EAST	100	0			
				10/04/02			

URS

DRAWING REGISTER

JOB NO: 45267-012
CLIENT: RELIANT ENERGY

PROJECT TITLE : ETIWANDA SCR
DISCIPLINE : MECHANICAL, CIVIL/STRUCTURAL, ELECTRICAL, INSTRUMENTATION

FILE NAME: DRAWING REGISTER
DATE: 10/08/02

URS DWG. NO.	CLIENT DWG. NO.	TITLE	% COMP.	REV.	REV.	REV.	REV.
				DATE	DATE	DATE	DATE
C 207		EXISTING DUCT MODIFICATIONS, TURNING VANE LOCATIONS - UNITS 1 & 2 WEST	100	0 10/04/02			
C 210		SCR SUPPORT STEEL, LOCATION PLAN	100	0 10/04/02			
C 211		SCR SUPPORT STEEL, ELEVATION VIEWS	100	0 10/04/02			
C 212		SCR SUPPORT STEEL, SCR SLIDE PLATES AND GUIDE DETAILS	100	0 10/04/02			
C 213		SCR SUPPORT STEEL, PLATFORM MODIFICATION AT ELEVATION 41'-0"	100	0 10/04/02			
C 214		CABLE TRAY SUPPORT LOCATION AT ELEVATION 41'-0"	100	0 10/04/02			
C 215		CABLE TRAY SUPPORTS AND MISCELLANEOUS STEEL DETAILS	100	0 10/04/02			
C 301		SCR HOUSING, TOP/BOTTOM PLANS	100	0 06/20/02	1 10/04/02		
C 302		SCR HOUSING, LEFT/FRONT ELEVATIONS	100	0 06/20/02	1 10/04/02		
C 303		SCR HOUSING, RIGHT/BACK ELEVATIONS	100	0 06/20/02	1 10/04/02		
C 304		SCR HOUSING, CATALYST SUPPORT FRAMING	100	0 06/20/02	1 10/04/02		
C 305		SCR HOUSING, LATERAL CROSS SECTION SHEET 1	100	0 06/20/02	1 10/04/02		
C 306		SCR HOUSING, DETAILS SHEET 1	100	0 06/20/02	1 10/04/02		
C 307		SCR HOUSING, DETAILS SHEET 2	100	0 06/20/02	1 10/04/02		
C 308		SCR HOUSING, DETAILS SHEET 3	100	0 06/20/02	1 10/04/02		

URS

DRAWING REGISTER

JOB NO: 45267-012
CLIENT: RELIANT ENERGY

PROJECT TITLE : ETIWANDA SCR
DISCIPLINE : MECHANICAL, CIVIL/STRUCTURAL, ELECTRICAL, INSTRUMENTATION

FILE NAME: DRAWING REGISTER
DATE: 10/08/02

URS DWG. NO.	CLIENT DWG. NO.	TITLE	% COMP.	REV. DATE	REV. DATE	REV. DATE	REV. DATE
		ELECTRICAL					
E-101		ELECTRICAL SYMBOLS, LEGEND AND GENERAL NOTES		0 10/04/02			
E-102		UNIT 1 AND UNIT 2 MCC-SCR ONE LINE DIAGRAM		0 10/04/02			
E-103		NOT USED					
E-104		CONTROL WIRING DIAGRAM INDEX					
E-105		CONTROL WIRING DIAGRAM LEGEND					
E-106		B-100A BLOWER CONTROL WIRING DIAGRAM					
E-107		B-100B BLOWER CONTROL WIRING DIAGRAM					
E-108		P-001A AQUEOUS AMMONIA PUMP CONTROL WIRING DIAGRAM					
E-109		P-001B AQUEOUS AMMONIA PUMP CONTROL WIRING DIAGRAM					
E-110		B-200A BLOWER CONTROL WIRING DIAGRAM					
E-111		B-200B BLOWER CONTROL WIRING DIAGRAM					
E-112		480V CIRCUIT BREAKER #303 SCHEMATIC DIAGRAM		0 10/04/02			
E-113		NOT USED					
E-114		GROUND LEVEL ELECTRICAL KEY PLAN		0 10/04/02			
E-115		ELECTRICAL ROOM POWER PLAN		0 10/04/02			
E-116		UNIT 1 POWER AND GROUNDING PLAN		0 10/04/02			

URS

DRAWING REGISTER

JOB NO: 45267-012
CLIENT: RELIANT ENERGY

PROJECT TITLE : ETIWANDA SCR
DISCIPLINE : MECHANICAL, CIVIL/STRUCTURAL, ELECTRICAL, INSTRUMENTATION

FILE NAME: DRAWING REGISTER
DATE: 10/08/02

URS DWG. NO.	CLIENT DWG. NO.	TITLE	% COMP.	REV. DATE	REV. DATE	REV. DATE	REV. DATE
E-117		NOT USED					
E-118		LIGHTING PLANS EL 74'-6"		0 10/04/02			
E-119		UNIT 2 POWER AND GROUNDING PLAN		0 10/04/02			
E-120		NOT USED					
E-121		OPERATING LEVEL POWER PLAN		0 10/04/02			
E-122		AMMONIA STORAGE BELOW GRADE GROUNDING PLAN		0 10/04/02			
E-123		AMMONIA STORAGE POWER AND ABOVE GRADE GROUNDING PLAN		0 10/04/02			
E-124		NOT USED					
E-125		ELECTRICAL DETAILS SHEET 1		0 10/04/02			
E-126		ELECTRICAL DETAILS SHEET 2		0 10/04/02			
E-127		LP-SCR PANEL SCHEDULE		0 10/04/02			
		INSTRUMENTATION					
I-101		INSTRUMENT SYMBOLS, LEGEND AND GENERAL NOTES		0 10/04/02			
I-102		UNIT 1 INSTRUMENT BLOCK DIAGRAM		0 10/04/02			
I-103		UNIT 2 INSTRUMENT BLOCK DIAGRAM		0 10/04/02			
I-104		AMMONIA STORAGE INSTRUMENT BLOCK DIAGRAM		0 10/04/02			
I-105		GROUND LEVEL INSTRUMENT KEY PLAN		0 10/04/02			

URS

DRAWING REGISTER

JOB NO: 45267-012
CLIENT: RELIANT ENERGY

PROJECT TITLE : ETIWANDA SCR
DISCIPLINE : MECHANICAL, CIVIL/STRUCTURAL, ELECTRICAL, INSTRUMENTATION

FILE NAME: DRAWING REGISTER
DATE: 10/08/02

URS DWG. NO.	CLIENT DWG. NO.	TITLE	% COMP.	REV.	REV.	REV.	REV.
				DATE	DATE	DATE	DATE
I-106		MEZZANINE LEVEL INSTRUMENT KEY PLAN		0 10/04/02			
I-107		OPERATING LEVEL INSTRUMENT KEY PLAN		0 10/04/02			
I-108		ELECTRICAL ROOM INSTRUMENT PLAN		0 10/04/02			
I-109		RELAY ROOM AND CONTROL ROOM INSTRUMENT PLANS		0 10/04/02			
I-110		UNIT 1 INSTRUMENT PLAN SHEET 1		0 10/04/02			
I-111		UNIT 1 INSTRUMENT PLAN SHEET 2		0 10/04/02			
I-112		UNIT 1 INSTRUMENT PLAN SHEET 3		0 10/04/02			
I-113		NOT USED					
I-114		UNIT 2 INSTRUMENT PLAN SHEET 1		0 10/04/02			
I-115		UNIT 2 INSTRUMENT PLAN SHEET 2		0 10/04/02			
I-116		UNIT 2 INSTRUMENT PLAN SHEET 3		0 10/04/02			
I-117		NOT USED					
I-118		AMMONIA STORAGE INSTRUMENT PLAN		0 10/04/02			
I-119		AMMONIA DETECTION WIRING DIAGRAM		0 10/04/02			
I-120		IJB-SCR1 WIRING DIAGRAM		0 10/04/02			
I-121		IJB-SCR2 WIRING DIAGRAM		0 10/04/02			
I-122		IJB-SCR1 AND IJB-SCR2 LAYOUT		0 10/04/02			
I-123		SECTIONS AND ELEVATIONS		0 10/04/02			

URS

DRAWING REGISTER

JOB NO: 45267-012
CLIENT: RELIANT ENERGY

PROJECT TITLE : ETIWANDA SCR
DISCIPLINE : MECHANICAL, CIVIL/STRUCTURAL, ELECTRICAL, INSTRUMENTATION

FILE NAME: DRAWING REGISTER
DATE: 10/08/02

URS DWG. NO.	CLIENT DWG. NO.	TITLE	% COMP.	REV. / DATE	REV. / DATE	REV. / DATE	REV. / DATE
I-124		NOT USED					
I-125		INSTRUMENT INSTALLATION DETAILS SHEET 1		0 / 10/04/02			
I-126		INSTRUMENT INSTALLATION DETAILS SHEET 2		0 / 10/04/02			
I-127		INSTRUMENT INSTALLATION DETAILS SHEET 3		0 / 10/04/02			

SAN BERNARDINO COUNTY CUPA
CERTIFIED UNIFIED PROGRAM AGENCY
ANNUAL PERMIT

EP: AP:2 AR:0.00

ENVIRONMENTAL OR SAFETY COORD.
ETIWANDA GENERATING STATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739--917

This Unified Permit is hereby issued to:
ETIWANDA GENERATING STATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

CERS ID: 10038976

Permit is issued to Facility: FA0002943 for a period not to exceed one year from effective date.

Effective Date: 10/1/2020 **Expiration Date: 9/30/2021**

CUPA Facility Type: 5013-CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 3

Permit Number	Program Element	Related ID
PT0002264	4244 HAZARDOUS MATERIALS 11-30 CHEMICALS	PR0002502
PT0002263	4453 SMALL QUANTITY GENERATOR	PR0002501

SAN BERNARDINO COUNTY CUPA

Permitted by:
San Bernardino County CUPA
620 South "E" Street
San Bernardino, CA 92415-0153
(909) 386-8401

Mike Horton, Fire Marshal

THIS PERMIT IS NOT TRANSFERABLE AND IS ISSUED CONDITIONALLY UPON ADHERENCE TO THE REQUIREMENTS LISTED ON THE BACK OF THIS PERMIT. THIS FORM MUST BE DISPLAYED CONSPICUOUSLY ON THE PREMISES.

CUPA PERMIT CONDITIONS

As a condition of the Certified Unified Program Agency (CUPA) permit to operate, the owner, operator, and permit holder shall comply with the following:

a. **Hazardous Materials Release Response Plans and Inventories Program (HMRRP):** California Health and Safety Code (CHSC) Division 20, Chapter 6.95, Article 1 and Title 19 California Code of Regulations (CCR).

b. **California Accidental Release Prevention Program (CalARP):** CHSC Division 20, Chapter 6.95, Article 2 and Title 19 CCR.

c. **Underground Storage Tanks (USTs):** CHSC Division 20, Chapters 6.5, 6.7 and Title 23 CCR, Chapter 16.

   (1) Monitoring, Response and Plot Plans shall be approved by the San Bernardino County CUPA.

   (2) The owner and operator are subject to all applicable requirements of Chapter 6.7 of the CHSC and the applicable regulations.

   (3) This permit and permit conditions including the Monitoring, Response and Plot Plans shall be maintained on site.

   (4) Monitoring or programming for monitoring shall be conducted at the locations of the following UST equipment, if installed: monitoring system control panels; sensors monitoring tank annular spaces, sumps, dispenser pans, spill containers, or other secondary containment areas (e.g. double-walled piping); mechanical or electronic line leak detectors; and in-tank liquid level probes used for leak detection.
   Note: The UST ID Number is listed on the front of the permit for each UST

d. **Aboveground Petroleum Storage Act SPCC Plans:** CHSC Division 20, Chapter 6.67 and 40 CFR 112.

e. **Hazardous Waste Generator and Hazardous Waste Onsite Treatment:** CHSC Division 20, Chapter 6.5 and Title 22 CCR, Division 4.5, Chapters 10, 11, 12, 20 and 31.

f. **San Bernardino County Fire Protection District Fire Code (SBCFPD FC), Hazardous Materials Management Plans and Inventories:** CHSC Division 12, Part2, Chapter 1, Article 2, Section 13143.9, CHSC Division 20, Chapter 6.95, Article 1, Section 25504, **SBCFPD FC** Chapter 4 Section 407.5, Section 407.6, Chapter 50, Section 5001.5.1 and Section 5001.5.2.

g. **Unified Program Forms and Electronic Reporting:** CHSC Division 20, Chapter 6.11, Section 25404(e)(4) and Title 27 CCR.

SAN BERNARDINO COUNTY CUPA
CERTIFIED UNIFIED PROGRAM AGENCY
ANNUAL PERMIT

EP: AP:4 AR:0.00

ENVIRONMENTAL OR SAFETY COORDINATOR
NRG CALIFORNIA SOUTH LP
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739--917

This Unified Permit is hereby issued to:
ETIWANDA GENERATING STATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

Permit is issued to Facility: FA0002943 for a period not to exceed one year from effective date.

Effective Date: 10/1/2014 **Expiration Date: 9/30/2015**

CUPA Facility Type: 5015-CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 5

Permit Number	Program Element	Related ID
PT0002265	4032 APSA 10,001-100,000 GAL FAC CAPACITY	PR0002503
PT0002264	4246 HAZARDOUS MATERIALS 51-70 CHEMICALS	PR0002502
PT0002263	4455 SUPER LARGE QUANTITY GENERATOR	PR0002501
PT0015103	5111 RISK MANAGEMENT PLAN - LEVEL I	PR0013532

Permitted by:
San Bernardino County CUPA
620 South "E" Street
San Bernardino, CA 92415-0153
(909) 386-8401

Mike Horton, Fire Marshal

THIS PERMIT IS NOT TRANSFERABLE AND IS ISSUED CONDITIONALLY UPON ADHERENCE TO THE REQUIREMENTS LISTED ON THE BACK OF THIS PERMIT. THIS FORM MUST BE DISPLAYED CONSPICUOUSLY ON THE PREMISES.

CUPA PERMIT CONDITIONS

As a condition of the Certified Unified Program Agency (CUPA) permit to operate, the owner, operator, and permit holder shall comply with the following:

a. **Hazardous Materials Release Response Plans and Inventories Program (HMRRP):** California Health and Safety Code (CHSC) Division 20, Chapter 6.95, Article 1 and Title 19 California Code of Regulations (CCR).

b. **California Accidental Release Prevention Program (CalARP):** CHSC Division 20, Chapter 6.95, Article 2 and Title 19 CCR.

c. **Underground Storage Tanks (USTs):** CHSC Division 20, Chapters 6.5, 6.7 and Title 23 CCR, Chapter 16.

   (1) Monitoring, Response and Plot Plans shall be approved by the San Bernardino County CUPA.

   (2) The owner and operator are subject to all applicable requirements of Chapter 6.7 of the CHSC and the applicable regulations.

   (3) This permit and permit conditions including the Monitoring, Response and Plot Plans shall be maintained on site.

   (4) Monitoring or programming for monitoring shall be conducted at the locations of the following UST equipment, if installed: monitoring system control panels; sensors monitoring tank annular spaces, sumps, dispenser pans, spill containers, or other secondary containment areas (e.g. double-walled piping); mechanical or electronic line leak detectors; and in-tank liquid level probes used for leak detection.
   Note: The UST ID Number is listed on the front of the permit for each UST.

d. **Aboveground Petroleum Storage Act SPCC Plans:** CHSC Division 20, Chapter 6.67 and 40 CFR 112.

e. **Hazardous Waste Generator and Hazardous Waste Onsite Treatment:** CHSC Division 20, Chapter 6.5 and Title 22 CCR, Division 4.5, Chapters 10, 11, 12, 20 and 31.

f. **San Bernardino County Fire Protection District Code (SBCFPD FC), Hazardous Materials Management Plans and Inventories:** CHSC Division 12, Part 2, Chapter 1, Article 2, Section 13143.9, CHSC Division 20, Chapter 6.95, Article 1, Section 25504, **SBCFPD FC** Chapter 4, Section 407.5, Section 407.6, Chapter 50, Section 5001.5.1 and Section 5001.5.2.

g. **Unified Program Forms and Electronic Reporting:** CHSC Division 20, Chapter 6.11, Section 25404(e)(4) and Title 27 CCR.

SAN BERNARDINO COUNTY CUPA
CERTIFIED UNIFIED PROGRAM AGENCY
ANNUAL PERMIT

EP: AP:5 AR:0.00

ENVIRONMENTAL OR SAFETY COORDINATOR
ETIWANDA GENERATING STATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-0000

This Unified Permit is hereby issued to:
ETIWANDA GENERATING STATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

Permit is issued to Facility: FA0002943 for a period not to exceed one year from effective date.

Effective Date: 10/1/2013 **Expiration Date: 9/30/2014**

Permit Number	Program Element	Related ID
PT0002265	4032 APSA 10,001-100,000 GAL FAC CAPACITY	PR0002503
PT0002264	4246 HAZARDOUS MATERIALS 51-70 CHEMICALS	PR0002502
PT0002263	4455 SUPER LARGE QUANTITY GENERATOR	PR0002501
PT0027802	5015 CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 5	PR0036682
PT0015103	5111 RISK MANAGEMENT PLAN - LEVEL I	PR0013532

Permitted by:
San Bernardino County CUPA
620 South "E" Street
San Bernardino, CA 92415-0153
(909) 386-8401

Mike Horton, Fire Marshal

THIS PERMIT IS NOT TRANSFERABLE AND IS ISSUED CONDITIONALLY UPON ADHERENCE TO THE REQUIREMENTS LISTED ON THE BACK OF THIS PERMIT. THIS FORM MUST BE DISPLAYED CONSPICUOUSLY ON THE PREMISES.

CUPA PERMIT CONDITIONS

As a condition of the Certified Unified Program Agency (CUPA) permit to operate, the owner, operator, and permit holder shall comply with the following:

a. **Hazardous Materials Release Response Plans and Inventories Program (HMRRP):** California Health and Safety Code (CHSC) Division 20, Chapter 6.95, Article 1 and Title 19 California Code of Regulations (CCR).

b. **California Accidental Release Prevention Program (CalARP):** CHSC Division 20, Chapter 6.95, Article 2 and Title 19 CCR.

c. **Underground Storage Tanks (USTs):** CHSC Division 20, Chapters 6.5, 6.7 and Title 23 CCR, Chapter 16.

   (1) Monitoring, Response and Plot Plans shall be approved by the San Bernardino County CUPA.

   (2) The owner and operator are subject to all applicable requirements of Chapter 6.7 of the CHSC and the applicable regulations.

   (3) This permit and permit conditions including the Monitoring, Response and Plot Plans shall be maintained on site.

   (4) Monitoring or programming for monitoring shall be conducted at the locations of the following UST equipment, if installed: monitoring system control panels; sensors monitoring tank annular spaces, sumps, dispenser pans, spill containers, or other secondary containment areas (e.g. double-walled piping); mechanical or electronic line leak detectors; and in-tank liquid level probes used for leak detection.
   Note: The UST ID Number is listed on the front of the permit for each UST.

d. **Aboveground Petroleum Storage Act SPCC Plans:** CHSC Division 20, Chapter 6.67 and 40 CFR 112.

e. **Hazardous Waste Generator and Hazardous Waste Onsite Treatment:** CHSC Division 20, Chapter 6.5 and Title 22 CCR, Division 4.5, Chapters 10, 11, 12, 20 and 31.

f. **San Bernardino County Fire Protection District Code (SBCFPD FC), Hazardous Materials Management Plans and Inventories:** CHSC Division 12, Part 2, Chapter 1, Article 2, Section 13143.9, CHSC Division 20, Chapter 6.95, Article 1, Section 25504, **SBCFPD FC** Chapter 4, Section 407.5, Section 407.6, Chapter 50, Section 5001.5.1 and Section 5001.5.2.

g. **Unified Program Forms and Electronic Reporting:** CHSC Division 20, Chapter 6.11, Section 25404(e)(4) and Title 27 CCR.

SAN BERNARDINO COUNTY FIRE PROTECTION DISTRICT
CERTIFIED UNIFIED PROGRAM AGENCY
ANNUAL PERMIT

EP: AP:6 AR:0.00

ATTN : ENVIRONMENTAL OR SAFETY COORD.
GENON WEST LP-ETIWANDA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-9173

This Unified Permit is hereby issued to:
ETIWANDA GENERATING STATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

Permit is issued to Facility: FA0002943 for a period not to exceed one year from effective date.

Effective Date: 10/1/2012 **Expiration Date: 9/30/2013**

Permit Number	Program Element	Related ID
PT0002265	4032 APSA 10,001-100,000 GAL FAC CAPACITY	PR0002503
PT0002264	4204 HAZMAT HANDLER 26-50 EMPLOYEES (W/GEN PRMT)	PR0002502
PT0013931	4270 EPCRA FACILITY	PR0012329
PT0002263	4412 HAZARDOUS WASTE GENERATOR - 26-50 EMPLOYEES	PR0002501
PT0013929	5102 CALARP FACILITY PERMIT	PR0012327
~~PT0013930~~	~~5103 CALARP STATE FEE~~	~~PR0012328~~
PT0015103	5111 RISK MANAGEMENT PLAN - LEVEL I	PR0013532

Permitted by:
San Bernardino County Fire Protection District
Hazardous Materials Division
620 South "E" Street
San Bernardino, CA 92415-0153
(909) 386-8401

Mark A. Hartwig, Fire Chief

THIS PERMIT IS NOT TRANSFERABLE AND IS ISSUED CONDITIONALLY UPON ADHERENCE TO THE REQUIREMENTS LISTED ON THE BACK OF THIS PERMIT. THIS FORM MUST BE DISPLAYED CONSPICUOUSLY ON THE PREMISES.

PERMIT CONDITIONS

As a condition of the permit to operate, the owner, operator, and permit holder shall comply with the following:

a. **Hazardous Materials Release Response Plans and Inventories Program (HMRRP):** California Health and Safety Code (CHSC) Division 20, Chapter 6.95, Article 1 and Title 19 California Code of Regulations (CCR).

b. **California Accidental Release Prevention Program (CalARP):** CHSC Division 20, Chapter 6.95, Article 2 and Title 19 CCR.

c. **Underground Storage Tanks (USTs):** CHSC Division 20, Chapters 6.5, 6.7, 6.75, and Title 23 CCR, Chapters 16 & 18.

   (1) Monitoring, Response and Plot Plans shall be approved by the San Bernardino County CUPA.

   (2) The owner and operator are subject to all applicable requirements of Chapter 6.7 and 6.75 of the CHSC and the applicable regulations.

   (3) This permit and permit conditions including the Monitoring, Response and Plot Plans shall be maintained on site.

   (4) Monitoring or programming for monitoring shall be conducted at the locations of the following UST equipment, if installed: monitoring system control panels; sensors monitoring tank annular spaces, sumps, dispenser pans, spill containers, or other secondary containment areas (e.g. double-walled piping); mechanical or electronic line leak detectors; and in-tank liquid level probes used for leak detection.
   Note: The UST ID Number is listed on the front of the permit for each UST.

d. **Aboveground Petroleum Storage Act SPCC Plans:** CHSC Division 20, Chapter 6.67 and 40 CFR 112.

e. **Hazardous Waste Generator and Hazardous Waste Onsite Treatment:** CHSC Division 20, Chapter 6.5 and Title 22 CCR, Division 4.5, Chapters 10, 11, 12, 20 and 31.

f. **Uniform Fire Code, Hazardous Materials Management Plans and Inventories:** CHSC Division 12, Part 2, Chapter 1, Article 2, Section 13143.9, CHSC Division 20, Chapter 6.95, Article 1, Section 25509.2, California Fire Code Chapter 27, Section 2701.5.1 and Section 2701.5.2, formerly referred to as UFC Section 80.103.

g. **Unified Program Forms and Electronic Reporting:** CHSC Division 20, Chapter 6.11, Section 25404(e)(4) and Title 27 CCR.

SAN BERNARDINO COUNTY FIRE PROTECTION DISTRICT
CERTIFIED UNIFIED PROGRAM AGENCY
ANNUAL PERMIT

AP:6 AR:0.00

ATTN : ENVIRONMENTAL OR SAFETY COORD.
GENON WEST LP-ETIWANDA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-9173

This Unified Permit is hereby issued to:
ETIWANDA GENERATING STATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

Permit is issued to Facility: FA0002943 for a period not to exceed one year from effective date.

Effective Date: 10/1/2011 **Expiration Date: 9/30/2012**

Permit Number	Program Element	Related ID
PT0002263	4412 GENERATOR - 26-50 EMPLOYEES	PR0002501
PT0002264	4204 HAZMAT HANDLER 26-50 EMPLOYEES (W/GEN PRMT)	PR0002502
PT0002265	4032 APSA 10,001-100,000 GAL FAC CAPACITY	PR0002503
PT0013929	5102 CALARP FACILITY PERMIT	PR0012327
~~PT0013930~~	~~5103 CALARP STATE FEE~~	~~PR0012328~~
PT0013931	4270 EPCRA FACILITY	PR0012329
PT0015103	5111 RISK MANAGEMENT PLAN - LEVEL I	PR0013532

Mark A. Hartwig, Fire Chief

THIS PERMIT IS NOT TRANSFERABLE AND IS ISSUED CONDITIONALLY
UPON ADHERENCE TO THE REQUIREMENTS LISTED ON THE BACK OF THIS PERMIT.
THIS FORM MUST BE DISPLAYED CONSPICUOUSLY ON THE PREMISES.

SAN BERNARDINO COUNTY FIRE PROTECTION DISTRICT
CERTIFIED UNIFIED PROGRAM AGENCY
ANNUAL PERMIT

AP:6 AR:0.00

ATTN : ENVIRONMENTAL OR SAFETY COORD.
GENON WEST LP-ETIWANDA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-9173

This Unified Permit is hereby issued to:
ETIWANDA GENERATING
STATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

Permit is issued to Facility: FA0002943 for a period not to exceed one year from effective date.

Effective Date: 10/1/2011 **Expiration Date: 9/30/2012**

Permit Number	Program Element	Related ID
PT0002263	4412 GENERATOR - 26-50 EMPLOYEES	PR0002501
PT0002264	4204 HAZMAT HANDLER 26-50 EMPLOYEES (W/GEN PRMT)	PR0002502
PT0002265	4032 APSA 10,001-100,000 GAL FAC CAPACITY	PR0002503
PT0013929	5102 CALARP FACILITY PERMIT	PR0012327
PT0013931	4270 EPCRA FACILITY	PR0012329
PT0015103	5111 RISK MANAGEMENT PLAN - LEVEL I	PR0013532

Mark A. Hartwig, Fire Chief

THIS PERMIT IS NOT TRANSFERABLE AND IS ISSUED CONDITIONALLY
UPON ADHERENCE TO THE REQUIREMENTS LISTED ON THE BACK OF THIS PERMIT.
THIS FORM MUST BE DISPLAYED CONSPICUOUSLY ON THE PREMISES.

SAN BERNARDINO COUNTY FIRE PROTECTION DISTRICT
CERTIFIED UNIFIED PROGRAM AGENCY
ANNUAL PERMIT

AP:5 AR:0.00

ATTN : ENVIRONMENTAL + SAFETY COORD.
RRI ENERGY, INC.
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-9173

This Unified Permit is hereby issued to:
RRI ENERGY ETIWANDA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

Permit is issued to Facility: FA0002943 for a period not to exceed one year from effective date.

Effective Date: 8/1/2010 **Expiration Date: 7/31/2011**

Permit Number	Program Element	Related ID
PT0002263	4412 GENERATOR - 26-50 EMPLOYEES	PR0002501
PT0002264	4204 HAZMAT HANDLER 26-50 EMPLOYEES (W/GEN PRMT)	PR0002502
PT0013929	5102 CALARP FACILITY PERMIT	PR0012327
PT0013931	4270 EPCRA FACILITY	PR0012329
PT0015103	5111 RISK MANAGEMENT PLAN - LEVEL I	PR0013532

Danny R. Wurl

Danny R. Wurl, Fire Chief

THIS PERMIT IS NOT TRANSFERABLE AND IS ISSUED CONDITIONALLY
UPON ADHERENCE TO THE REQUIREMENTS LISTED ON THE BACK OF THIS PERMIT.
THIS FORM MUST BE DISPLAYED CONSPICUOUSLY ON THE PREMISES.

SAN BERNARDINO COUNTY FIRE PROTECTION DISTRICT
CERTIFIED UNIFIED PROGRAM AGENCY
ANNUAL PERMIT

AP:7 AR:0.00

ATTN : ENVIRONMENTAL + SAFETY COORD.
RRI ENERGY, INC.
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-9173

This Unified Permit is hereby issued to:
RRI ENERGY ETIWANDA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

Permit is issued to Facility: FA0002943 for a period not to exceed one year from effective date.

Effective Date: 8/1/2009 **Expiration Date: 7/31/2010**

Permit Number	Program Element	Related ID
PT0002263	4412 GENERATOR - 26-50 EMPLOYEES	PR0002501
PT0002264	4204 HAZMAT HANDLER 26-50 EMPLOYEES (W/GEN PRMT)	PR0002502
PT0013929	5102 CALARP FACILITY PERMIT	PR0012327
PT0015103	5111 RISK MANAGEMENT PLAN - LEVEL I	PR0013532
PT0013930	5103 CALARP STATE FEE	PR0012328
PT0013931	4270 EPCRA FACILITY	PR0012329

Pat A. Dennen, Fire Chief/Fire Warden

THIS PERMIT IS NOT TRANSFERABLE AND IS ISSUED CONDITIONALLY
UPON ADHERENCE TO THE REQUIREMENTS LISTED ON THE BACK OF THIS PERMIT.
THIS FORM MUST BE DISPLAYED CONSPICUOUSLY ON THE PREMISES.

COUNTY OF SAN BERNARDINO
CERTIFIED UNIFIED PROGRAM AGENCY
ANNUAL PERMIT

ATTN : ENVIRONMENTAL + SAFETY COORD.
RELIANT ENERGY ETIWANDA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-9173

This Unified Permit is hereby issued to:
ETIWANDA GENERATING
STATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

Permit is issued to Facility: FA0002943 for a period not to exceed one year from effective date.

Effective Date: 8/1/2008 **Expiration Date: 7/31/2009**

Permit Number	Program Element	Related ID
PT0002263	4412 GENERATOR - 26-50 EMPLOYEES	PR0002501
PT0002264	4204 HAZMAT HANDLER 26-50 EMPLOYEES (W/GEN PRMT)	PR0002502
PT0013929	5102 CALARP FACILITY PERMIT	PR0012327
PT0013930	5103 CALARP STATE FEE	PR0012328
PT0013931	4270 EPCRA FACILITY	PR0012329
PT0015103	5111 RISK MANAGEMENT PLAN - LEVEL I	PR0013532

Printed on 6/20/2008
Reconstructed by MIS on 8/12/2008

Pat A. Dennen, Fire Chief/Fire Warden

THIS PERMIT IS NOT TRANSFERABLE AND IS ISSUED CONDITIONALLY
UPON ADHERENCE TO THE REQUIREMENTS LISTED ON THE BACK OF THIS PERMIT.
THIS FORM MUST BE DISPLAYED CONSPICUOUSLY ON THE PREMISES.

COUNTY OF SAN BERNARDINO
CERTIFIED UNIFIED PROGRAM AGENCY
ANNUAL PERMIT

ATTN : ENVIRONMENTAL + SAFETY COORD.
RELIANT ENERGY ETIWANDA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-9173

This Unified Permit is hereby issued to:
ETIWANDA GENERATING
STATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA
91739-0000

Permit is issued to Facility: FA0002943 for a period not to exceed one year from effective date.

Effective Date: 8/1/2007 Expiration Date: 7/31/2008

Permit Number	Program Element	Related ID
PT0013931	4270 EPCRA FACILITY	PR0012329
PT0013930	5103 CALARP STATE FEE	PR0012328
PT0013929	5102 CALARP FACILITY PERMIT	PR0012327
PT0002265	4002 ABOVEGROUND PETROLEUM STORAGE (AST) (	PR0002503
PT0002264	4204 HAZMAT HANDLER 26-50 EMPLOYEES (W/GEN F	PR0002502
PT0002263	4412 GENERATOR - 26-50 EMPLOYEES	PR0002501
PT0015103	5111 RISK MANAGEMENT PLAN - LEVEL I	PR0013532

Pat A. Dennen, Fire Chief/Fire Warden

THIS PERMIT IS NOT TRANSFERABLE AND IS ISSUED CONDITIONALLY
UPON ADHERENCE TO THE REQUIREMENTS LISTED ON THE BACK OF THIS PERMIT.
THIS FORM MUST BE DISPLAYED CONSPICUOUSLY ON THE PREMISES.

COUNTY OF SAN BERNARDINO
CERTIFIED UNIFIED PROGRAM AGENCY
ANNUAL PERMIT

ATTN : ENVIRONMENTAL + SAFETY COORD.
RELIANT ENERGY ETIWANDA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-9173

This Unified Permit is hereby issued to:
ETIWANDA GENERATING
STATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA
91739-0000

Permit is issued to Facility: FA0002943 for a period not to exceed one year from effective date.

Effective Date: 8/1/2006 Expiration Date: 7/31/2007

Permit Number	Program Element	Related ID
PT0002263	4412 GENERATOR - 26-50 EMPLOYEES	PR0002501
PT0002265	4002 ABOVEGROUND PETROLEUM STORAGE (AST) (	PR0002503
PT0002264	4204 HAZMAT HANDLER 26-50 EMPLOYEES (W/GEN F	PR0002502
PT0013931	4270 EPCRA FACILITY	PR0012329
PT0013930	5103 CALARP STATE FEE	PR0012328
PT0013929	5102 CALARP FACILITY PERMIT	PR0012327

SAN BERNARDINO COUNTY FIRE DEPARTMENT 1853

Peter R. Hills

Peter R. Hills, Fire Chief/Fire Warden

THIS PERMIT IS NOT TRANSFERABLE AND IS ISSUED CONDITIONALLY
UPON ADHERENCE TO THE REQUIREMENTS LISTED ON THE BACK OF THIS PERMIT.
THIS FORM MUST BE DISPLAYED CONSPICUOUSLY ON THE PREMISES.

COUNTY OF SAN BERNARDINO
CERTIFIED UNIFIED PROGRAM AGENCY
ANNUAL PERMIT

ATTN : ENVIRONMENTAL + SAFETY COORD.
RELIANT ENERGY ETIWANDA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-9173

This Unified Permit is hereby issued to:
ETIWANDA GENERATING
STATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA
91739-0000

Permit is issued to Facility: FA0002943 for a period not to exceed one year from effective date.

Effective Date: 8/1/2005 **Expiration Date: 7/31/2006**

Permit Number	Program Element	Related ID
PT0002263	4412 GENERATOR - 26-50 EMPLOYEES	PR0002501
PT0002264	4204 HAZMAT HANDLER 26-50 EMPLOYEES (W/GEN F	PR0002502
PT0002265	4002 ABOVEGROUND PETROLEUM STORAGE (AST) (	PR0002503
PT0013929	5102 CALARP FACILITY PERMIT	PR0012327
PT0013930	5103 CALARP STATE FEE	PR0012328
PT0013931	4270 EPCRA FACILITY	PR0012329

Peter R. Hills

Peter R. Hills, Fire Chief/Fire Warden

THIS PERMIT IS NOT TRANSFERABLE AND IS ISSUED CONDITIONALLY
UPON ADHERENCE TO THE REQUIREMENTS LISTED ON THE BACK OF THIS PERMIT.
THIS FORM MUST BE DISPLAYED CONSPICUOUSLY ON THE PREMISES.

COUNTY OF SAN BERNARDINO
CERTIFIED UNIFIED PROGRAM AGENCY
ANNUAL PERMIT

ATTN : ENVIRONMENTAL + SAFETY COORD.
RELIANT ENERGY ETIWANDA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-9173

This Unified Permit is hereby issued to:
ETIWANDA GENERATING
STATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA
91739-0000

Permit is issued to Facility: FA0002943 for a period not to exceed one year from effective date.

Effective Date: 8/1/2003 **Expiration Date: 7/31/2004**

Permit Number	Program Element	Related ID
PT0013930	5103 CalARP State Fee	PR0012328
PT0002263	4412 Generator - 26-50 Employees	PR0002501
PT0002264	4204 Hazmat Handler 26-50 Employees (w/Gen Prmt)	PR0002502
PT0002265	4002 Aboveground Petroleum Storage (AST) (SPCC)	PR0002503

Peter R. Hills, Fire Chief/Fire Warden

THIS PERMIT IS NOT TRANSFERABLE AND IS ISSUED CONDITIONALLY
UPON ADHERENCE TO THE REQUIREMENTS LISTED ON THE BACK OF THIS PERMIT.
THIS FORM MUST BE DISPLAYED CONSPICUOUSLY ON THE PREMISES.

PERMIT CONDITIONS

In order to maintain the operating permit, the permit holder must comply with the following:

a. **Hazardous Materials Release Response Plans and Inventories Program (HMRRP)**: California Health and Safety Code (CHSC) Division 20, Chapter 6.95, Article 1 and Title 19 California Code of Regulations (CCR).

b. **California Accidental Release Prevention Program (CalARP):** CHSC Division 20, Chapter 6.95, Article 2 and Title 19 CCR.

c. **Underground Storage Tanks (USTs):** CHSC Division 20, Chapters 6.5 & 6.7 and Title 23 CCR, Chapters 16 & 18.

   (1) Monitoring, Response and Plot Plans shall be approved by the San Bernardino County CUPA.
   (2) The owner and operator are subject to all applicable requirements of Chapter 6.7 and 6.75 of the CHSC and the applicable regulations.
   (3) This permit and permit conditions including the Monitoring, Response and Plot Plans shall be maintained on site.
   (4) The UST ID Number (is listed on the front of the permit) for each UST.

d. **Aboveground Petroleum Storage Act SPCC Plans**: CHSC Division 20, Chapter 6.67 and 40 CFR 112.

e. **Hazardous Waste Generator and Hazardous Waste Onsite Treatment**: CHSC Division 20, Chapter 6.5 and Title 22 CCR, Division 4.5, Chapters 10, 11, 12, 20 and 31.

f. **Uniform Fire Code Hazardous Materials Management Plans and Inventories**: CHSC Division 13, Chapter 4 and Title 24 CCR §80.103

COUNTY OF SAN BERNARDINO
CERTIFIED UNIFIED PROGRAM AGENCY
ANNUAL PERMIT

ATTN : ENVIRONMENTAL + SAFETY COORD.
RELIANT ENERGY ETIWANDA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-9173

This Unified Permit is hereby issued to:
ETIWANDA GENERATING
STATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA
91739-0000

Permit is issued to Facility: FA0002943 for a period not to exceed one year from effective date.

Effective Date: 8/1/2003 Expiration Date: 7/31/2004

Permit Number	Program Element	Related ID
PT0013930	5103 CalARP State Fee	PR0012328
PT0002263	4412 Generator - 26-50 Employees	PR0002501
PT0002264	4204 Hazmat Handler 26-50 Employees (w/Gen Prmt)	PR0002502
PT0002265	4002 Aboveground Petroleum Storage (AST) (SPCC)	PR0002503

Peter R. Hills, Fire Chief/Fire Warden

THIS PERMIT IS NOT TRANSFERABLE AND IS ISSUED CONDITIONALLY
UPON ADHERENCE TO THE REQUIREMENTS LISTED ON THE BACK OF THIS PERMIT.
THIS FORM MUST BE DISPLAYED CONSPICUOUSLY ON THE PREMISES.

COUNTY OF SAN BERNARDINO
CERTIFIED UNIFIED PROGRAM AGENCY
ANNUAL PERMIT

ATTN : ENVIRONMENTAL + SAFETY COORD.
RELIANT ENERGY ETIWANDA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-9173

This Unified Permit is hereby issued to:
ETIWANDA GENERATING
STATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA
91739-0000

Permit is issued to Facility: FA0002943 for a period not to exceed one year from effective date.

Effective Date: 8/1/2003 **Expiration Date: 7/31/2004**

Permit Number	Program Element	Related ID
PT0013929	5102 CALARP FACILITY PERMIT	PR0012327
PT0013931	4270 EPCRA FACILITY	PR0012329

Peter R. Hills, Fire Chief/Fire Warden

THIS PERMIT IS NOT TRANSFERABLE AND IS ISSUED CONDITIONALLY
UPON ADHERENCE TO THE REQUIREMENTS LISTED ON THE BACK OF THIS PERMIT.
THIS FORM MUST BE DISPLAYED CONSPICUOUSLY ON THE PREMISES.

PERMIT CONDITIONS

In order to maintain the operating permit, the permit holder must comply with the following:

a. **Hazardous Materials Release Response Plans and Inventories Program (HMRRP)**: California Health and Safety Code (CHSC) Division 20, Chapter 6.95, Article 1 and Title 19 California Code of Regulations (CCR).

b. **California Accidental Release Prevention Program (CalARP):** CHSC Division 20, Chapter 6.95, Article 2 and Title 19 CCR.

c. **Underground Storage Tanks (USTs):** CHSC Division 20, Chapters 6.5 & 6.7 and Title 23 CCR, Chapters 16 & 18.

   (1) Monitoring, Response and Plot Plans shall be approved by the San Bernardino County CUPA.
   (2) The owner and operator are subject to all applicable requirements of Chapter 6.7 and 6.75 of the CHSC and the applicable regulations.
   (3) This permit and permit conditions including the Monitoring, Response and Plot Plans shall be maintained on site.
   (4) The UST ID Number (is listed on the front of the permit) for each UST.

d. **Aboveground Petroleum Storage Act SPCC Plans**: CHSC Division 20, Chapter 6.67 and 40 CFR 112.

e. **Hazardous Waste Generator and Hazardous Waste Onsite Treatment**: CHSC Division 20, Chapter 6.5 and Title 22 CCR, Division 4.5, Chapters 10, 11, 12, 20 and 31.

f. **Uniform Fire Code Hazardous Materials Management Plans and Inventories**: CHSC Division 13, Chapter 4 and Title 24 CCR §80.103

COUNTY OF SAN BERNARDINO
CERTIFIED UNIFIED PROGRAM AGENCY
ANNUAL PERMIT

ATTN : KIMBERLY BROWN
RELIANT ENERGY ETIWANDA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-9173

This Unified Permit is hereby issued to:
ETIWANDA GENERATING STATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-0000

Permit is issued to Facility: FA0002943 for a period not to exceed one year from effective date.

Effective Date: 8/1/2003 **Expiration Date: 7/31/2004**

Permit Number	Program Element	Related ID
PT0002263	4413 Generator - 51-100 Employees	PR0002501
PT0002264	4205 Hazmat Handler 51-100 Employees (w/Gen Prmt)	PR0002502
PT0002265	4002 Aboveground Petroleum Storage (AST) (SPCC)	PR0002503

Peter R. Hills, Fire Chief/Fire Warden

THIS PERMIT IS NOT TRANSFERABLE AND IS ISSUED CONDITIONALLY UPON ADHERENCE TO THE REQUIREMENTS LISTED ON THE BACK OF THIS PERMIT. THIS FORM MUST BE DISPLAYED CONSPICUOUSLY ON THE PREMISES.

PERMIT CONDITIONS

In order to maintain the operating permit, the permit holder must comply with the following:

a. **Hazardous Materials Release Response Plans and Inventories Program (HMRRP)**: California Health and Safety Code (CHSC) Division 20, Chapter 6.95, Article 1 and Title 19 California Code of Regulations (CCR).

b. **California Accidental Release Prevention Program (CalARP):** CHSC Division 20, Chapter 6.95, Article 2 and Title 19 CCR.

c. **Underground Storage Tanks (USTs):** CHSC Division 20, Chapters 6.5 & 6.7 and Title 23 CCR, Chapters 16 & 18.

   (1) Monitoring, Response and Plot Plans shall be approved by the San Bernardino County CUPA.
   (2) The owner and operator are subject to all applicable requirements of Chapter 6.7 and 6.75 of the CHSC and the applicable regulations.
   (3) This permit and permit conditions including the Monitoring, Response and Plot Plans shall be maintained on site.
   (4) The UST ID Number (is listed on the front of the permit) for each UST.

d. **Aboveground Petroleum Storage Act SPCC Plans**: CHSC Division 20, Chapter 6.67 and 40 CFR 112.

e. **Hazardous Waste Generator and Hazardous Waste Onsite Treatment**: CHSC Division 20, Chapter 6.5 and Title 22 CCR, Division 4.5, Chapters 10, 11, 12, 20 and 31.

f. **Uniform Fire Code, Hazardous Materials Management Plans and Inventories**: CHSC Division 12, Part 2, Chapter 1, Article 2, §13143.9 and UFC §80.103.

COUNTY OF SAN BERNARDINO
CERTIFIED UNIFIED PROGRAM AGENCY
ANNUAL PERMIT

ATTN : KIMBERLY BROWN
RELIANT ENERGY ETIWANDA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-9173

This Unified Permit is hereby issued to:
ETIWANDA GENERATING
STATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA
91739-0000

Permit is issued to Facility: FA0002943 for a period not to exceed one year from effective date.

Effective Date: 8/1/2003 **Expiration Date: 7/31/2004**

Permit Number	Program Element	Related ID
PT0002263	4413 Generator - 51-100 Employees	PR0002501
PT0002264	4205 Hazmat Handler 51-100 Employees (w/Gen Prmt)	PR0002502
PT0002265	4002 Aboveground Petroleum Storage (AST) (SPCC)	PR0002503

Peter R. Hills, Fire Chief/Fire Warden

THIS PERMIT IS NOT TRANSFERABLE AND IS ISSUED CONDITIONALLY UPON ADHERENCE TO THE REQUIREMENTS LISTED ON THE BACK OF THIS PERMIT. THIS FORM MUST BE DISPLAYED CONSPICUOUSLY ON THE PREMISES.

COUNTY OF SAN BERNARDINO
CERTIFIED UNIFIED PROGRAM AGENCY
ANNUAL PERMIT

ATTN : KIMBERLY BROWN
RELIANT ENERGY ETIWANDA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-9173

This Unified Permit is hereby issued to:
ETIWANDA GENERATING
STATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA
91739-0000

Permit is issued to Facility: FA0002943 for a period not to exceed one year from effective date.

Effective Date: 8/1/2002 **Expiration Date: 7/31/2003**

Permit Number	Program Element	Related ID
PT0002262	4703 CE Annual Fee	PR0002500
PT0002263	4413 Generator - 51-100 Employees	PR0002501
PT0002264	4205 Hazmat Handler 51-100 Employees (w/Gen Prmt)	PR0002502
PT0002265	4002 Aboveground Petroleum Storage (AST)	PR0002503

THIS PERMIT IS NOT TRANSFERABLE AND IS ISSUED CONDITIONALLY
UPON ADHERENCE TO THE REQUIREMENTS LISTED ON THE BACK OF THIS PERMIT.
THIS FORM MUST BE DISPLAYED CONSPICUOUSLY ON THE PREMISES.

LOSURE

SAN BERNARDINO COUNTY CUPA

0002170

FACILITY INFORMATION

☒ Update/Assign PEs ☐ Referral to Team CERS ☐ Closure ☐ Invoice Reversal ☐ Demand Bill
☐ Update Non-CERS Fields ☐ 0202 ☐ Other ☐ 5054 Attached

OWNER INFORMATION — OWNER ID: OW0002476

NAME: **BTC II ETIWANDA COMMERCE CENTER LP**

ADDRESS: **6635 Edison Drive** ADDRESS 2:

CITY: **Oxnard** STATE: **CA** ZIP CODE: **93033** COUNTRY: **US**

PHONE: EXT: FYI LAST UPDATED: **12/08/2021**

FACILITY INFORMATION — FACILITY ID: FA0002943

BUSINESS NAME: **ETIWANDA GENERATING STATION** CERS ID:**10038976**

SITE ADDRESS: **8996 ETIWANDA AVE** ADDRESS 2:

CERS TO TO NOT APPLICABLE

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739** FAX: **949-294-0835**

BUSINESS PHONE: **949-294-0835** EXT:

BUSINESS OPERATOR NAME: **BTC III ETIWANDA COMMERCE CENTER LP**

OPERATOR PHONE: **949-294-0835** EXT: FYI LAST UPDATED: **03/15/2022**

FACILITY MAILING ADDRESS

MAILING ADDRESS: **4675 MACARTHUR COURT STE 625** ADDRESS 2:

CITY: **NEWPORT BEACH** STATE: **CA** ZIP CODE: **92660** COUNTRY: **USA**

BILLING CONTACT — ACCOUNT ID: AR0002943

BILLING CONTACT NAME: **CHRIS SANFORD**

ADDRESS 1: **4675 MacArthur Court, Ste 625** ADDRESS 2:

CITY: **Newport Beach** STATE: **CA** ZIP CODE: **92660** COUNTRY: **US**

PHONE: **949-892-4911** EXT: EMAIL: **CHRIS.SANFORD@BLACKCREEKGROUP.COM**

ENVIRONMENTAL CONTACT

NAME: **STEVE WILLIAMS** PHONE: **949-294-0835** EXT:

EMAIL: **STEVE.WILLIAMS@ERM.COM**

NON-CERS INFORMATION

FACILITY EMAIL (OPTIONAL):

LOCAL FACILITY PHONE (OPTIONAL): EXT:

CENSUS: MILITARY SCHOOL MEDICAL * BUSINESS CODE: **CORPORATION** * BUSINESS TYPE: **OTHER**

* SUPERVISORIAL DISTRICT: **002** * INSPECTION DISTRICT: **02** * FIRE JURISDICTION: **R C FIRE**

INACTIVATED

FYI ACCOUNT STATUS: **ACTIVE ACCOUNT** FYI ANNIVERSARY DATE: **09/30/2002** FYI LAST BILLING: **08/17/2022**

FYI EXEMPT FROM BILLING: **NO** FYI TOTAL DUE: **0.00**

Business Code= 01-Corporation, 02-Individual, 03-Partnership, 04-Local Agency/District, 05-County Agency, 06-State Agency, 07-Federal Agency
Business Type=1-Motor Vehicle Fuel, 2-Fuel Distributor, 3-Farm, 4-Processor, 6-Other

FOR OFFICE USE ONLY:

		N/A	N/A
☒ EC Entry Complete	☐ QC Complete	☐ ☐ Fiscal Entry Complete	☐ ☐ Referral to Team CERS
4/26/23 LS			
Date Initials	Date Initials	Date Initials	Date Initials

ALL PES INACTIVATED

PERMIT INFORMATION (CIRCLE THOSE THAT APPLY)

5013-CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 3

	PERMIT NUMBER	PERMIT STATUS	ORIGINAL P.E.	EFFECTIVE DATE	EXPIRATION DATE
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002265	INACTIVE	4031-APSA 1,320-10,000 GAL FAC C/	10/01/2018	09/30/2019
	GHP OR UST ID: PR0002503	CURRENT STATUS(BILLING): INACTIVE, NON-BILLABLE		UPDATED P.E.	
☐ UPDATE ☒ INACTIVATE ☐ ZERO OUT BALANCE	PT0002264	ACTIVE	4244-HAZARDOUS MATERIALS 11-30	10/01/2022	09/30/2023
	GHP OR UST ID: PR0002502	CURRENT STATUS(BILLING): ACTIVE, BILLABLE		UPDATED P.E.	
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013931	INACTIVE	4270-EPCRA FACILITY	10/01/2012	09/30/2013
	GHP OR UST ID: PR0012329	CURRENT STATUS(BILLING): INACTIVE, NON-BILLABLE		UPDATED P.E.	
☐ UPDATE ☒ INACTIVATE ☐ ZERO OUT BALANCE	PT0002263	ACTIVE	4354-RCRA LARGE QUANTITY GENE	10/01/2022	09/30/2023
	GHP OR UST ID: PR0002501	CURRENT STATUS(BILLING): ACTIVE, BILLABLE		UPDATED P.E.	
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0038095	INACTIVE	4354-RCRA LARGE QUANTITY GENE	10/01/2018	09/30/2019
	GHP OR UST ID: PR0049374	CURRENT STATUS(BILLING): INACTIVE, NON-BILLABLE		UPDATED P.E.	
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002262	INACTIVE	4703-CE ANNUAL FEE	10/01/2002	09/30/2003
	GHP OR UST ID: PR0002500	CURRENT STATUS(BILLING): INACTIVE, NON-BILLABLE		UPDATED P.E.	
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013929	INACTIVE	5102-CALARP FACILITY PERMIT	10/01/2012	09/30/2013
	GHP OR UST ID: PR0012327	CURRENT STATUS(BILLING): INACTIVE, NON-BILLABLE		UPDATED P.E.	
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013930	INACTIVE	5103-CALARP STATE FEE	10/01/2018	09/30/2019
	GHP OR UST ID: PR0012328	CURRENT STATUS(BILLING): INACTIVE, NON-BILLABLE		UPDATED P.E.	
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0015103	INACTIVE	5111-RMP INSPECTION - PROGRAM '	10/01/2018	09/30/2019
	GHP OR UST ID: PR0013532	CURRENT STATUS(BILLING): INACTIVE, NON-BILLABLE		UPDATED P.E.	

ADD NEW P.E.

NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.
NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.

☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE

*NEW CUPA Admin P.E.

NUMBER OF ACTIVE UST'S 0

DATE SUBMITTED: 4-25-23 SUBMITTED BY: KOVACH

SPECIAL INSTRUCTIONS: Information in this location will not be entered into Envision.

COMMENTS/REMARKS: Only text in this area will be entered as a blue book comment. Please attach and label additional sheets needed for comments.

- Facility now vacated. Final Manifests obtained.
- Inactivate Permits.
- Inactivate CERS ID 10038976

COMMENT ADDED

SAN BERNARDINO COUNTY CUPA
FACILITY INFORMATION

0002170

[X] Update/Assign PEs [ ] Referral to Team CERS [ ] Closure [ ] Invoice Reversal [X] Demand Bill
[ ] Update Non-CERS Fields [ ] 0202 [X] Other [ ] 5054 Attached

Owner name; E/C and billing change

OWNER INFORMATION — OWNER ID: OW0002476

NAME: ~~GenOn California South, LP~~ BTC III Etiwanda Commerce Center LP

ADDRESS: ~~6635 Edison Drive~~ 4675 MacArhtur Court Ste 625 ADDRESS 2:

CITY: ~~Oxnard~~ Newport Beach STATE: **CA** ZIP CODE: ~~93033~~ 92660 COUNTRY: **US**

PHONE: ~~805-986-7291~~ EXT: FYI LAST UPDATED: **06/03/2019**

FACILITY INFORMATION — FACILITY ID: FA0002943

BUSINESS NAME: **ETIWANDA GENERATING STATION** CERS ID: **10038976**

SITE ADDRESS: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739** FAX: **760-254-5216**

BUSINESS PHONE: **909-899-7260** EXT:

BUSINESS OPERATOR NAME: ~~Etiwanda Generating Station~~ BTC III Etiwanda Commerce Center LP

OPERATOR PHONE: ~~909-899-7290~~ (949) 294-4911 EXT: FYI LAST UPDATED: **07/26/2021**

FACILITY MAILING ADDRESS

MAILING ADDRESS: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739** COUNTRY: **USA**

BILLING CONTACT — ACCOUNT ID: AR0002943

BILLING CONTACT NAME: ~~ENVIRONMENTAL OR SAFETY COORD.~~ Chris Sanford

ADDRESS 1: **4675 MacArthur Court, Ste 625** ADDRESS 2:

CITY: **Newport Beach** STATE: **CA** ZIP CODE: **92660** COUNTRY: **US**

PHONE: ~~909-899-7260~~ (949) 892-4911 EXT: EMAIL: chris.sanford@blackcreekgroup.com

ENVIRONMENTAL CONTACT

NAME: ~~Jeff Edwards~~ Steve Williams PHONE: ~~760-254-5216~~ (949) 294-0835 EXT:

EMAIL: ~~Jeffrey.Edwards@genon.com~~ steve.williams@erm.com

NON-CERS INFORMATION

FACILITY EMAIL (OPTIONAL): ~~CHARLES.LINDER@NRGENERGY.COM JIM.BARR@NRGENERGY.COM; JULIE.BABCOCK@NRGENERGY.COM~~

LOCAL FACILITY PHONE (OPTIONAL): EXT:

CENSUS: MILITARY SCHOOL MEDICAL * BUSINESS CODE: **CORPORATION** * BUSINESS TYPE: **OTHER**

* SUPERVISORIAL DISTRICT: **002** * INSPECTION DISTRICT: **02** * FIRE JURISDICTION: **R C FIRE**

FYI ACCOUNT STATUS: **ACTIVE ACCOUNT** FYI ANNIVERSARY DATE: **09/30/2002** FYI LAST BILLING: **08/17/2021**

FYI EXEMPT FROM BILLING: **NO** FYI TOTAL DUE: **0.00**

Business Code= 01-Corporation, 02-Individual, 03-Partnership, 04-Local Agency/District, 05-County Agency, 06-State Agency, 07-Federal Agency
Business Type=1-Motor Vehicle Fuel, 2-Fuel Distributor, 3-Farm, 4-Processor, 6-Other

FOR OFFICE USE ONLY:

[ ] EC Entry Complete	[ ] QC Complete	N/A [ ] [ ] Fiscal Entry Complete	N/A [ ] [ ] Referral to Team CERS
Date / Initials	Date / Initials	Date / Initials	Date / Initials

PERMIT INFORMATION (CIRCLE THOSE THAT APPLY)

5613-CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 3

	PERMIT NUMBER	PERMIT STATUS	ORIGINAL P.E.	EFFECTIVE DATE	EXPIRATION DATE
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002265	INACTIVE	4031-APSA 1,320-10,000 GAL FAC C/	10/01/2018	09/30/2019
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0002503	INACTIVE, NON-BILLABLE			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002264	ACTIVE	4244-HAZARDOUS MATERIALS 11-30	10/01/2021	09/30/2022
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0002502	ACTIVE, BILLABLE			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013931	INACTIVE	4270-EPCRA FACILITY	10/01/2012	09/30/2013
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0012329	INACTIVE, NON-BILLABLE			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0038095	INACTIVE	4354-RCRA LARGE QUANTITY GENE	10/01/2018	09/30/2019
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0049374	INACTIVE, NON-BILLABLE			
☒ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002263	ACTIVE	4453-SMALL QUANTITY GENERATOF	10/01/2021	09/30/2022
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0002501	ACTIVE, BILLABLE	4354		
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002262	INACTIVE	4703-CE ANNUAL FEE	10/01/2002	09/30/2003
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0002500	INACTIVE, NON-BILLABLE			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013929	INACTIVE	5102-CALARP FACILITY PERMIT	10/01/2012	09/30/2013
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0012327	INACTIVE, NON-BILLABLE			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013930	INACTIVE	5103-CALARP STATE FEE	10/01/2018	09/30/2019
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0012328	INACTIVE, NON-BILLABLE			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0015103	INACTIVE	5111-RMP INSPECTION - PROGRAM '	10/01/2018	09/30/2019
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0013532	INACTIVE, NON-BILLABLE			

ADD NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.
	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.

☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE

*NEW CUPA Admin P.E.

NUMBER OF ACTIVE UST'S 0

DATE SUBMITTED: 12/1/2021 SUBMITTED BY: M. Bechel

SPECIAL INSTRUCTIONS: Information in this location will not be entered into Envision.

COMMENTS/REMARKS: Only text in this area will be entered as a blue book comment. Please attach and label additional sheets needed for comments.

Per inspection on 12/1/2021, facility generates more than 100 kg RCRA waste per month.
Update PE 4453 to 4354; Demand bill for difference in updated PE.
Update owner name from: GenOn California South, LP; 6635 Edison Drive, Oxnard, CA 93033; (805) 986-7291
to BTC III Etiwanda Commerce Center LP; 4675 MacArthur Court, Ste 625, Newport Beach, CA 92660; (949) 892-4911
Update operator name from Etiwanda Generating Station to BTC III Etiwanda Commerce Center LP
Update billing contact from Environmental or Safety Coordinator; (909) 899-7260 to Chris Sanford; (949) 892-4911
Update environmental contact from Jeff Edwards; (760) 254-5216 to Steve Williams; (949)294-0835; steve.williams@emr.com

FOR FISCAL USE ONLY: Fiscal comments / remarks / instruction area (for use between OFM Fiscal and Admin Fiscal)

Please reverse line #3 PE 4453. Please apply previous payment from line # 7 ($292) to line #9 PE 4354. I will then demand bill for revised amount of $273.00.

☑ 5050 scanned and emailed to Fiscal 12/15/21 Date AS Initials

☐ 5054 scanned and emailed to Fiscal _____ Date _____ Initials

INTEROFFICE MEMO

DATE: 12/16/2021 **PHONE:** 909-387-5961

FROM: **ISABEL CORONA** **MAIL CODE:** 0451
Collections Officer, Fiscal Services Division

TO: **Christine Tenorio, Fiscal Services and Collections Supervisor**

SUBJECT: **Request to APPROVE/DENY financial adjustments**

The facility listed below was incorrectly billed and/or penalized due to the following reason/s:

FA0002943 – IN0158479 – ETIWANDA GENERATING STATION

- ☐ Incorrect permits billed prior to update to facility permit records based on inspection.
- ☐ Facility moved to another location within the County of San Bernardino prior to permit expiration.
- ☐ There was an address error in the system.
- ☐ Admin fee assessed after payment for permit fees and delinquent fees remitted.
- ☐ Business ceased operations prior to permit billing and/or permit requirement.
- ☐ Ownership change occurred prior to permit renewal.
- ☐ Other: UPDATED PES

Christine Tenorio Chief Munsey



CAO Analyst Approval _____

SAN BERNARDINO COUNTY CUPA
FACILITY INFORMATION

0002170

☒ Update/Assign PEs ☐ Referral to Team CERS ☐ Closure ☐ Invoice Reversal ☒ Demand Bill
☐ Update Non-CERS Fields ☐ 0202 ☒ Other ☐ 5054 Attached

Owner name, E/C and billing change

OWNER INFORMATION — OWNER ID: OW0002476

NAME: ~~GenOn California South, LP~~ BTC III Etiwanda Commerce Center LP

ADDRESS: ~~6635 Edison Drive~~ 4675 MacArhtur Court Ste 625 ADDRESS 2:

CITY: ~~Oxnard~~ Newport Beach STATE: CA ZIP CODE: ~~93033~~ 92660 COUNTRY: US

PHONE: ~~805-986-7291~~ EXT: FYI LAST UPDATED: 06/03/2019

FACILITY INFORMATION — FACILITY ID: FA0002943

BUSINESS NAME: ETIWANDA GENERATING STATION CERS ID:10038976

SITE ADDRESS: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739 FAX: 760-254-5216

BUSINESS PHONE: 909-899-7260 EXT:

BUSINESS OPERATOR NAME: ~~Etiwanda Generating Station~~ BTC III Etiwanda Commerce Center LP

OPERATOR PHONE: ~~909-899-7290~~ (949) 294-4911 EXT: FYI LAST UPDATED: 07/26/2021

FACILITY MAILING ADDRESS

MAILING ADDRESS: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739 COUNTRY: USA

BILLING CONTACT — ACCOUNT ID: AR0002943

BILLING CONTACT NAME: ~~ENVIRONMENTAL OR SAFETY COORD.~~ Chris Sanford

ADDRESS 1: 4675 MacArthur Court, Ste 625 ADDRESS 2:

CITY: Newport Beach STATE: CA ZIP CODE: 92660 COUNTRY: US

PHONE: ~~909-899-7260~~ (949) 892-4911 EXT: EMAIL: chris.sanford@blackcreekgroup.com

ENVIRONMENTAL CONTACT

NAME: ~~Jeff Edwards~~ Steve Williams PHONE: ~~760-254-5216~~ (949) 294-0835 EXT:

EMAIL: ~~Jeffrey.Edwards@genon.com~~ steve.williams@erm.com

NON-CERS INFORMATION

FACILITY EMAIL (OPTIONAL): ~~CHARLES.LINDER@NRGENERGY.COM JIM.BARR@NRGENERGY.COM; JULIE.BABCOCK@NRGENERGY.COM~~

LOCAL FACILITY PHONE (OPTIONAL): EXT:

CENSUS: MILITARY SCHOOL MEDICAL * BUSINESS CODE: CORPORATION * BUSINESS TYPE: OTHER

* SUPERVISORIAL DISTRICT: 002 * INSPECTION DISTRICT: 02 * FIRE JURISDICTION: R C FIRE

FYI ACCOUNT STATUS: ACTIVE ACCOUNT FYI ANNIVERSARY DATE: 09/30/2002 FYI LAST BILLING: 08/17/2021

FYI EXEMPT FROM BILLING: NO FYI TOTAL DUE: 0.00

Business Code= 01-Corporation, 02-Individual, 03-Partnership, 04-Local Agency/District, 05-County Agency, 06-State Agency, 07-Federal Agency
Business Type=1-Motor Vehicle Fuel, 2-Fuel Distributor, 3-Farm, 4-Processor, 6-Other

FOR OFFICE USE ONLY:

		N/A	N/A
☒ EC Entry Complete	☐ QC Complete	☐ ☐ Fiscal Entry Complete	☐ ☐ Referral to Team CERS
12/3/21 KW			
Date Initials	Date Initials	Date Initials	Date Initials

PERMIT INFORMATION (CIRCLE THOSE THAT APPLY)

5013-CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 3

☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002265 PERMIT NUMBER	INACTIVE PERMIT STATUS	4031-APSA 1,320-10,000 GAL FAC C/ ORIGINAL P.E.	10/01/2018 EFFECTIVE DATE	09/30/2019 EXPIRATION DATE
			PR0002503 GHP OR UST ID	INACTIVE, NON-BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002264 PERMIT NUMBER	ACTIVE PERMIT STATUS	4244-HAZARDOUS MATERIALS 11-30 ORIGINAL P.E.	10/01/2021 EFFECTIVE DATE	09/30/2022 EXPIRATION DATE
			PR0002502 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013931 PERMIT NUMBER	INACTIVE PERMIT STATUS	4270-EPCRA FACILITY ORIGINAL P.E.	10/01/2012 EFFECTIVE DATE	09/30/2013 EXPIRATION DATE
			PR0012329 GHP OR UST ID	INACTIVE, NON-BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0038095 PERMIT NUMBER	INACTIVE PERMIT STATUS	4354-RCRA LARGE QUANTITY GENE ORIGINAL P.E.	10/01/2018 EFFECTIVE DATE	09/30/2019 EXPIRATION DATE
			PR0049374 GHP OR UST ID	INACTIVE, NON-BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.
☒ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002263 PERMIT NUMBER	ACTIVE PERMIT STATUS	4453-SMALL QUANTITY GENERATOR ORIGINAL P.E.	10/01/2021 EFFECTIVE DATE	09/30/2022 EXPIRATION DATE
			PR0002501 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	4354 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002262 PERMIT NUMBER	INACTIVE PERMIT STATUS	4703-CE ANNUAL FEE ORIGINAL P.E.	10/01/2002 EFFECTIVE DATE	09/30/2003 EXPIRATION DATE
			PR0002500 GHP OR UST ID	INACTIVE, NON-BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013929 PERMIT NUMBER	INACTIVE PERMIT STATUS	5102-CALARP FACILITY PERMIT ORIGINAL P.E.	10/01/2012 EFFECTIVE DATE	09/30/2013 EXPIRATION DATE
			PR0012327 GHP OR UST ID	INACTIVE, NON-BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013930 PERMIT NUMBER	INACTIVE PERMIT STATUS	5103-CALARP STATE FEE ORIGINAL P.E.	10/01/2018 EFFECTIVE DATE	09/30/2019 EXPIRATION DATE
			PR0012328 GHP OR UST ID	INACTIVE, NON-BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0015103 PERMIT NUMBER	INACTIVE PERMIT STATUS	5111-RMP INSPECTION - PROGRAM ' ORIGINAL P.E.	10/01/2018 EFFECTIVE DATE	09/30/2019 EXPIRATION DATE
			PR0013532 GHP OR UST ID	INACTIVE, NON-BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.

ADD NEW P.E.

NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.
NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.

☐ UPDATE
☐ INACTIVATE
☐ ZERO OUT BALANCE
*NEW CUPA Admin P.E.

NUMBER OF ACTIVE UST'S 0

DATE SUBMITTED: 12/1/2021 SUBMITTED BY: M. Bechel

SPECIAL INSTRUCTIONS: Information in this location will not be entered into Envision.

COMMENTS/REMARKS: Only text in this area will be entered as a blue book comment. Please attach and label additional sheets needed for comments.

Per inspection on 12/1/2021, facility generates more than 100 kg RCRA waste per month.
Update PE 4453 to 4354; Demand bill for difference in updated PE.
Update owner name from: GenOn California South, LP; 6635 Edison Drive, Oxnard, CA 93033; (805) 986-7291
to BTC III Etiwanda Commerce Center LP; 4675 MacArthur Court, Ste 625, Newport Beach, CA 92660; (949) 892-4911
Update operator name from Etiwanda Generating Station to BTC III Etiwanda Commerce Center LP
Update billing contact from Environmental or Safety Coordinator; (909) 899-7260 to Chris Sanford; (949) 892-4911
Update environmental contact from Jeff Edwards; (760) 254-5216 to Steve Williams; (949)294-0835; steve.williams@emr.com

FOR FISCAL USE ONLY: Fiscal comments / remarks / instruction area (for use between OFM Fiscal and Admin Fiscal)

☒ 5050 scanned and emailed to Fiscal 12/8/21 (Date) KW (Initials)

☐ 5054 scanned and emailed to Fiscal _____ (Date) _____ (Initials)

[redacted]N BERNARDINO COUNTY CUP[redacted]
FACILITY INFORMATION

☐ Update/Assign PEs ☐ Referral to Team CERS ☐ Closure ☐ Invoice Reversal ☐ Demand Bill
☐ Update Non-CERS Fields ☐ 0202 ☐ Other ☐ 5054 Attached

OWNER INFORMATION — OWNER ID: OW0002476

NAME: **NRG California South LP**

ADDRESS: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739-9173** COUNTRY: **US**

PHONE: **909-899-7260** EXT: FYI LAST UPDATED: **12/11/2017**

FACILITY INFORMATION — FACILITY ID: FA0002943

BUSINESS NAME: **ETIWANDA GENERATING STATION** CERS ID: **10038976**

SITE ADDRESS: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739** FAX: **909-899-7242**

BUSINESS PHONE: **909-899-7260** EXT:

BUSINESS OPERATOR NAME: **Etiwanda Generating Station**

OPERATOR PHONE: **909-899-7290** EXT: FYI LAST UPDATED: **12/14/2018**

FACILITY MAILING ADDRESS

MAILING ADDRESS: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739** COUNTRY: **USA**

BILLING CONTACT — ACCOUNT ID: AR0002943

BILLING CONTACT NAME: **ENVIRONMENTAL OR SAFETY COORD.**

ADDRESS 1: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739-9173** COUNTRY: **US**

PHONE: **909-899-7260** EXT: EMAIL:

ENVIRONMENTAL CONTACT

NAME: **Rick Fatten** PHONE: **909-899-7242** EXT:

EMAIL: **richard.fatten@genon.com**

NON-CERS INFORMATION

FACILITY EMAIL (OPTIONAL): **CHARLES.LINDER@NRGENERGY.COM JIM.BARR@NRGENERGY.COM; JULIE.BABCOCK@NRGENERGY.COM**

LOCAL FACILITY PHONE (OPTIONAL): EXT:

CENSUS: MILITARY SCHOOL MEDICAL BUSINESS CODE: **CORPORATION** BUSINESS TYPE: **OTHER**

SUPERVISORIAL DISTRICT: **002** INSPECTION DISTRICT: **02** FIRE JURISDICTION: **R C FIRE**

FYI ACCOUNT STATUS: **ACTIVE ACCOUNT** FYI ANNIVERSARY DATE: **09/30/2002** FYI LAST BILLING: **08/15/2018**

FYI EXEMPT FROM BILLING: **NO** FYI TOTAL DUE: **0.00**

Business Code= 01-Corporation, 02-Individual, 03-Partnership, 04-Local Agency/District, 05-County Agency, 06-State Agency, 07-Federal Agency
Business Type=01-Gas Station, 02-Distributor, 03-Farm, 04-Processor, 05-Commercial, 06-Other

FOR OFFICE USE ONLY:

☐ EC Entry Complete	☐ QC Complete	N/A ☐ ☐ Fiscal Entry Complete	N/A ☐ ☐ Referral to Team CERS
Date Initials	Date Initials	Date Initials	Date Initials

PERMIT INFORMATION (CIRCLE THOSE THAT APPLY)

5013-CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 3

	PERMIT NUMBER	PERMIT STATUS	ORIGINAL P.E.	EFFECTIVE DATE	EXPIRATION DATE
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002265	ACTIVE	4032-APSA 10,001-100,000 GAL I	10/01/2018	09/30/2019
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0002503	ACTIVE, BILLABLE			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002264	ACTIVE	4246-HAZARDOUS MATERIALS !	10/01/2018	09/30/2019
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0002502	ACTIVE, BILLABLE			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013931	INACTIVE	4270-EPCRA FACILITY	10/01/2012	09/30/2013
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0012329	INACTIVE, NON-BILLAB			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002263	ACTIVE	4354-RCRA LARGE QUANTITY G	10/01/2017	09/30/2018
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0002501	ACTIVE, BILLABLE			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0038095	INACTIVE	4354-RCRA LARGE QUANTITY G	10/01/2018	09/30/2019
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0049374	INACTIVE, NON-BILLAB			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002262	INACTIVE	4703-CE ANNUAL FEE	10/01/2002	09/30/2003
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0002500	INACTIVE, NON-BILLAB			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013929	INACTIVE	5102-CALARP FACILITY PERMIT	10/01/2012	09/30/2013
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0012327	INACTIVE, NON-BILLAB			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013930	INACTIVE	5103-CALARP STATE FEE	10/01/2018	09/30/2019
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0012328	INACTIVE, NON-BILLAB			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0015103	INACTIVE	5111-RMP INSPECTION - PROGR	10/01/2018	09/30/2019
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0013532	INACTIVE, NON-BILLAB			

ADD NEW P.E.

NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.
NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.

☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE

*NEW CUPA Admin P.E.

NUMBER OF ACTIVE UST'S 0

DATE SUBMITTED: _____ SUBMITTED BY: _____

SPECIAL INSTRUCTIONS: Information in this location will not be entered into Envision.

COMMENTS/REMARKS: Only text in this area will be entered as a blue book comment. Please attach and label additional sheets needed for comments.

IT LOOKS LIKE PAYMENT WAS APPLIED TO AN INACTIVE P.E.

MARK B

FOR FISCAL USE ONLY: Fiscal comments / remarks / instruction area (for use between OFM Fiscal and Admin Fiscal)

☐ 5050 scanned and emailed to Fiscal _____ Date _____ Initials

☐ 5054 scanned and emailed to Fiscal _____ Date _____ Initials

ERNARDINO COUNTY CUPA
ACILITY INFORMATION

0002170

☒ Update/Assign PEs ☐ Referral to Team CERS ☐ Closure ☐ Invoice Reversal ☐ Demand Bill
☐ Update Non-CERS Fields ☐ 0202 ☐ Other ☐ 5054 Attached

OWNER INFORMATION — OWNER ID: OW0002476

NAME: **NRG California South LP**

ADDRESS: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739-9173** COUNTRY: **US**

PHONE: **909-899-7260** EXT: FYI LAST UPDATED: **12/11/2017**

FACILITY INFORMATION — FACILITY ID: FA0002943

BUSINESS NAME: **ETIWANDA GENERATING STATION** CERS ID: **10038976**

SITE ADDRESS: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739** FAX: **909-899-7242**

BUSINESS PHONE: **909-899-7260** EXT:

BUSINESS OPERATOR NAME: **Etiwanda Generating Station**

OPERATOR PHONE: **909-899-7290** EXT: FYI LAST UPDATED: **01/15/2019**

FACILITY MAILING ADDRESS

MAILING ADDRESS: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739** COUNTRY: **USA**

BILLING CONTACT — ACCOUNT ID: AR0002943

BILLING CONTACT NAME: **ENVIRONMENTAL OR SAFETY COORD.**

ADDRESS 1: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739-9173** COUNTRY: **US**

PHONE: **909-899-7260** EXT: EMAIL:

ENVIRONMENTAL CONTACT

NAME: **Rick Fatten** PHONE: **909-899-7242** EXT:

EMAIL: **richard.fatten@genon.com**

NON-CERS INFORMATION

FACILITY EMAIL (OPTIONAL): **CHARLES.LINDER@NRGENERGY.COM JIM.BARR@NRGENERGY.COM; JULIE.BABCOCK@NRGENERGY.COM**

LOCAL FACILITY PHONE (OPTIONAL): EXT:

CENSUS: MILITARY SCHOOL MEDICAL BUSINESS CODE: **CORPORATION** BUSINESS TYPE: **OTHER**

SUPERVISORIAL DISTRICT: **002** INSPECTION DISTRICT: **02** FIRE JURISDICTION: **R C FIRE**

FYI ACCOUNT STATUS: **ACTIVE ACCOUNT** FYI ANNIVERSARY DATE: **09/30/2002** FYI LAST BILLING: **08/15/2018**

FYI EXEMPT FROM BILLING: **NO** FYI TOTAL DUE: **0.00**

Business Code= 01-Corporation, 02-Individual, 03-Partnership, 04-Local Agency/District, 05-County Agency, 06-State Agency, 07-Federal Agency
Business Type=01-Gas Station, 02-Distributor, 03-Farm, 04-Processor, 05-Commercial, 06-Other

FOR OFFICE USE ONLY:

☐ EC Entry Complete	☐ QC Complete	☐ ☐ N/A Fiscal Entry Complete	☐ ☐ N/A Referral to Team CERS
JAN 17 2019 CB			
Date Initials	Date Initials	Date Initials	Date Initials

PERMIT INFORMATION (CIRCLE THOSE THAT APPLY)

5013-CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 3

☐ UPDATE ☒ INACTIVATE ☐ ZERO OUT BALANCE	PT0002265 PERMIT NUMBER	ACTIVE PERMIT STATUS	4031-APSA 1,320-10,000 GAL FA ORIGINAL P.E.	10/01/2018 EFFECTIVE DATE	09/30/2019 EXPIRATION DATE
			PR0002503 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002264 PERMIT NUMBER	ACTIVE PERMIT STATUS	4244-HAZARDOUS MATERIALS ORIGINAL P.E.	10/01/2018 EFFECTIVE DATE	09/30/2019 EXPIRATION DATE
			PR0002502 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013931 PERMIT NUMBER	INACTIVE PERMIT STATUS	4270-EPCRA FACILITY ORIGINAL P.E.	10/01/2012 EFFECTIVE DATE	09/30/2013 EXPIRATION DATE
			PR0012329 GHP OR UST ID	INACTIVE, NON-BILLAB CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0038095 PERMIT NUMBER	INACTIVE PERMIT STATUS	4354-RCRA LARGE QUANTITY G ORIGINAL P.E.	10/01/2018 EFFECTIVE DATE	09/30/2019 EXPIRATION DATE
			PR0049374 GHP OR UST ID	INACTIVE, NON-BILLAB CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002263 PERMIT NUMBER	ACTIVE PERMIT STATUS	4453-SMALL QUANTITY GENER/ ORIGINAL P.E.	10/01/2017 EFFECTIVE DATE	09/30/2018 EXPIRATION DATE
			PR0002501 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002262 PERMIT NUMBER	INACTIVE PERMIT STATUS	4703-CE ANNUAL FEE ORIGINAL P.E.	10/01/2002 EFFECTIVE DATE	09/30/2003 EXPIRATION DATE
			PR0002500 GHP OR UST ID	INACTIVE, NON-BILLAB CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013929 PERMIT NUMBER	INACTIVE PERMIT STATUS	5102-CALARP FACILITY PERMIT ORIGINAL P.E.	10/01/2012 EFFECTIVE DATE	09/30/2013 EXPIRATION DATE
			PR0012327 GHP OR UST ID	INACTIVE, NON-BILLAB CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013930 PERMIT NUMBER	INACTIVE PERMIT STATUS	5103-CALARP STATE FEE ORIGINAL P.E.	10/01/2018 EFFECTIVE DATE	09/30/2019 EXPIRATION DATE
			PR0012328 GHP OR UST ID	INACTIVE, NON-BILLAB CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0015103 PERMIT NUMBER	INACTIVE PERMIT STATUS	5111-RMP INSPECTION - PROGR ORIGINAL P.E.	10/01/2018 EFFECTIVE DATE	09/30/2019 EXPIRATION DATE
			PR0013532 GHP OR UST ID	INACTIVE, NON-BILLAB CURRENT STATUS(BILLING)	 UPDATED P.E.

ADD NEW P.E.

NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.
NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.

☐ UPDATE
☐ INACTIVATE
☐ ZERO OUT BALANCE

*NEW CUPA Admin P.E.

NUMBER OF ACTIVE UST'S 0

DATE SUBMITTED: _____ SUBMITTED BY: _____

SPECIAL INSTRUCTIONS: Information in this location will not be entered into Envision.

COMMENTS/REMARKS: Only text in this area will be entered as a blue book comment. Please attach and label additional sheets needed for comments.

Per Inspection on 1/10/19, Facility Handles Less than 1,320 Gallons Petroleum in Above Ground Tank and Is No Longer Subject to APSA.
Inactivate P.E. 4031.

FOR FISCAL USE ONLY: Fiscal comments / remarks / instruction area (for use between OFM Fiscal and Admin Fiscal)

☐ 5050 scanned and emailed to Fiscal _____ Date _____ Initials

☐ 5054 scanned and emailed to Fiscal _____ Date _____ Initials

SAN BERNARDINO COUNTY CUPA
FACILITY INFORMATION

☒ Update/Assign PEs ☐ Referral to Team CERS ☐ Closure ☐ Invoice Reversal ☐ Demand Bill
☐ Update Non-CERS Fields ☐ 0202 ☐ Other ☐ 5054 Attached

OWNER INFORMATION — OWNER ID: OW0002476

NAME: **NRG California South LP**

ADDRESS: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739-9173** COUNTRY: **US**

PHONE: **909-899-7260** EXT: FYI LAST UPDATED: **12/11/2017**

FACILITY INFORMATION — FACILITY ID: FA0002943

BUSINESS NAME: **ETIWANDA GENERATING STATION** CERS ID: **10038976**

SITE ADDRESS: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739** FAX: **909-899-7242**

BUSINESS PHONE: **909-899-7260** EXT:

BUSINESS OPERATOR NAME: **Etiwanda Generating Station**

OPERATOR PHONE: **909-899-7290** EXT: FYI LAST UPDATED: **12/14/2018**

FACILITY MAILING ADDRESS

MAILING ADDRESS: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739** COUNTRY: **USA**

BILLING CONTACT — ACCOUNT ID: AR0002943

BILLING CONTACT NAME: **ENVIRONMENTAL OR SAFETY COORD.**

ADDRESS 1: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739-9173** COUNTRY: **US**

PHONE: **909-899-7260** EXT: EMAIL:

ENVIRONMENTAL CONTACT

NAME: **Rick Fatten** PHONE: **909-899-7242** EXT:

EMAIL: **richard.fatten@genon.com**

NON-CERS INFORMATION

FACILITY EMAIL (OPTIONAL): **CHARLES.LINDER@NRGENERGY.COM JIM.BARR@NRGENERGY.COM; JULIE.BABCOCK@NRGENERGY.COM**

LOCAL FACILITY PHONE (OPTIONAL): EXT:

CENSUS: MILITARY SCHOOL MEDICAL BUSINESS CODE: **CORPORATION** BUSINESS TYPE: **OTHER**

SUPERVISORIAL DISTRICT: **002** INSPECTION DISTRICT: **02** FIRE JURISDICTION: **R C FIRE**

FYI ACCOUNT STATUS: **ACTIVE ACCOUNT** FYI ANNIVERSARY DATE: **09/30/2002** FYI LAST BILLING: **08/15/2018**

FYI EXEMPT FROM BILLING: **NO** FYI TOTAL DUE: **0.00**

Business Code= 01-Corporation, 02-Individual, 03-Partnership, 04-Local Agency/District, 05-County Agency, 06-State Agency, 07-Federal Agency
Business Type=01-Gas Station, 02-Distributor, 03-Farm, 04-Processor, 05-Commercial, 06-Other

FOR OFFICE USE ONLY:

☐ EC Entry Complete	☐ QC Complete	☐ ☐ N/A Fiscal Entry Complete	☐ ☐ N/A Referral to Team CERS
JAN 11 2019 CB			
Date Initials	Date Initials	Date Initials	Date Initials

PERMIT INFORMATION (CIRCLE THOSE THAT APPLY)

5013-CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 3

	PERMIT NUMBER	PERMIT STATUS	ORIGINAL P.E.	EFFECTIVE DATE	EXPIRATION DATE
☒ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002265	ACTIVE	4032-APSA 10,001-100,000 GAL I	10/01/2018	09/30/2019
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0002503	ACTIVE, BILLABLE	4031		
☒ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002264	ACTIVE	4246-HAZARDOUS MATERIALS I	10/01/2018	09/30/2019
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0002502	ACTIVE, BILLABLE	4243		
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013931	INACTIVE	4270-EPCRA FACILITY	10/01/2012	09/30/2013
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0012329	INACTIVE, NON-BILLAB			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002263	ACTIVE	4354-RCRA LARGE QUANTITY G	10/01/2017	09/30/2018
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0002501	ACTIVE, BILLABLE			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0038095	INACTIVE	4354-RCRA LARGE QUANTITY G	10/01/2018	09/30/2019
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0049374	INACTIVE, NON-BILLAB			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002262	INACTIVE	4703-CE ANNUAL FEE	10/01/2002	09/30/2003
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0002500	INACTIVE, NON-BILLAB			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013929	INACTIVE	5102-CALARP FACILITY PERMIT	10/01/2012	09/30/2013
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0012327	INACTIVE, NON-BILLAB			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013930	INACTIVE	5103-CALARP STATE FEE	10/01/2018	09/30/2019
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0012328	INACTIVE, NON-BILLAB			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0015103	INACTIVE	5111-RMP INSPECTION - PROGR	10/01/2018	09/30/2019
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0013532	INACTIVE, NON-BILLAB			

ADD NEW P.E.

NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.
NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.

☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE

*NEW CUPA Admin P.E.

NUMBER OF ACTIVE UST'S 0

DATE SUBMITTED: 1/10/19 SUBMITTED BY: M. BECHEL

SPECIAL INSTRUCTIONS: Information in this location will not be entered into Envision.

COMMENTS/REMARKS: Only text in this area will be entered as a blue book comment. Please attach and label additional sheets needed for comments.

PER INSPECTION ON 1/10/19, FACILITY HANDLES 17 ITEMS OF INVENTORY. FACILITY GENERATES APPROXIMATELY 500 POUNDS OF HAZARDOUS WASTE PER MONTH. FACILITY HAS LESS THAN 10,000 gallons OF PETROLEUM IN ABOVEGROUND TANKS. UPDATE PE 4246 to 4244; PE 4032 to 4031; PE 4354 TO 4453.

FOR FISCAL USE ONLY: Fiscal comments / remarks / instruction area (for use between OFM Fiscal and Admin Fiscal)

☐ 5050 scanned and emailed to Fiscal Date Initials

☐ 5054 scanned and emailed to Fiscal Date Initials

SAN BERNARDINO COUNTY CUPA
FACILITY INFORMATION

0002170

☒ Update/Assign PEs ☐ Referral to Team CERS ☐ Closure ☒ Invoice Reversal ☒ Demand Bill
☐ Update Non-CERS Fields ☐ 0202 ☐ Other ☐ 5054 Attached

OWNER INFORMATION — OWNER ID: OW0002476

NAME: **NRG California South LP**

ADDRESS: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739-9173** COUNTRY: **US**

PHONE: **909-899-7260** EXT: FYI LAST UPDATED: **12/11/2017**

FACILITY INFORMATION — FACILITY ID: FA0002943

BUSINESS NAME: **ETIWANDA GENERATING STATION** CERS ID: **10038976**

SITE ADDRESS: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739** FAX: **909-899-7242**

BUSINESS PHONE: **909-899-7260** EXT:

BUSINESS OPERATOR NAME: **Etiwanda Generating Station**

OPERATOR PHONE: **909-899-7290** EXT: FYI LAST UPDATED: **08/16/2018**

FACILITY MAILING ADDRESS

MAILING ADDRESS: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739** COUNTRY: **USA**

BILLING CONTACT — ACCOUNT ID: AR0002943

BILLING CONTACT NAME: **ENVIRONMENTAL OR SAFETY COORD.**

ADDRESS 1: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739-9173** COUNTRY: **US**

PHONE: **909-899-7260** EXT: EMAIL:

ENVIRONMENTAL CONTACT

NAME: **Rick Fatten** PHONE: **909-899-7242** EXT:

EMAIL: **richard.fatten@genon.com**

NON-CERS INFORMATION

FACILITY EMAIL (OPTIONAL): **CHARLES.LINDER@NRGENERGY.COM JIM.BARR@NRGENERGY.COM; JULIE.BABCOCK@NRGENERGY.COM**

LOCAL FACILITY PHONE (OPTIONAL): EXT:

CENSUS: MILITARY SCHOOL MEDICAL BUSINESS CODE: **CORPORATION** BUSINESS TYPE: **OTHER**

SUPERVISORIAL DISTRICT: **002** INSPECTION DISTRICT: **02** FIRE JURISDICTION: **R C FIRE**

FYI ACCOUNT STATUS: **ACTIVE ACCOUNT** FYI ANNIVERSARY DATE: **09/30/2002** FYI LAST BILLING: **08/15/2018**

FYI EXEMPT FROM BILLING: **NO** FYI TOTAL DUE: **6,722.00**

Business Code= 01-Corporation, 02-Individual, 03-Partnership, 04-Local Agency/District, 05-County Agency, 06-State Agency, 07-Federal Agency
Business Type=01-Gas Station, 02-Distributor, 03-Farm, 04-Processor, 05-Commercial, 06-Other

FOR OFFICE USE ONLY:

	Date	Initials
☒ BC Entry Complete	AUG 22 2018	CB
☐ QC Complete		
N/A ☐ ☐ Fiscal Entry Complete		
N/A ☐ ☐ Referral to Team CERS		

PERMIT INFORMATION (CIRCLE THOSE THAT APPLY)

5015-CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 5

	PERMIT NUMBER	PERMIT STATUS	ORIGINAL P.E.	EFFECTIVE DATE	EXPIRATION DATE
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002265	ACTIVE	4032-APSA 10,001-100,000 GAL I	10/01/2017	09/30/2018
	GHP OR UST ID	CURRENT STATUS(BILLING)			UPDATED P.E.
	PR0002503	ACTIVE, BILLABLE			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002264	ACTIVE	4246-HAZARDOUS MATERIALS !	10/01/2017	09/30/2018
	GHP OR UST ID	CURRENT STATUS(BILLING)			UPDATED P.E.
	PR0002502	ACTIVE, BILLABLE			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013931	INACTIVE	4270-EPCRA FACILITY	10/01/2012	09/30/2013
	GHP OR UST ID	CURRENT STATUS(BILLING)			UPDATED P.E.
	PR0012329	INACTIVE, NON-BILLAB			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0038095	ACTIVE	4354-RCRA LARGE QUANTITY G	10/01/2017	09/30/2018
	GHP OR UST ID	CURRENT STATUS(BILLING)			UPDATED P.E.
	PR0049374	ACTIVE, BILLABLE			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002263	INACTIVE	4454-LARGE QUANTITY GENER/	10/01/2017	09/30/2018
	GHP OR UST ID	CURRENT STATUS(BILLING)			UPDATED P.E.
	PR0002501	INACTIVE, NON-BILLAB			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002262	INACTIVE	4703-CE ANNUAL FEE	10/01/2002	09/30/2003
	GHP OR UST ID	CURRENT STATUS(BILLING)			UPDATED P.E.
	PR0002500	INACTIVE, NON-BILLAB			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013929	INACTIVE	5102-CALARP FACILITY PERMIT	10/01/2012	09/30/2013
	GHP OR UST ID	CURRENT STATUS(BILLING)			UPDATED P.E.
	PR0012327	INACTIVE, NON-BILLAB			
☐ UPDATE ☒ INACTIVATE ☐ ZERO OUT BALANCE	PT0013930	ACTIVE	5103-CALARP STATE FEE	10/01/2017	09/30/2018
	GHP OR UST ID	CURRENT STATUS(BILLING)			UPDATED P.E.
	PR0012328	ACTIVE, BILLABLE			
☐ UPDATE ☒ INACTIVATE ☐ ZERO OUT BALANCE	PT0015103	ACTIVE	5111-RMP INSPECTION - PROGR	10/01/2017	09/30/2018
	GHP OR UST ID	CURRENT STATUS(BILLING)			UPDATED P.E.
	PR0013532	ACTIVE, BILLABLE			

ADD NEW P.E.

NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.
NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.

☒ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE

5013

*NEW CUPA Admin P.E.

NUMBER OF ACTIVE UST'S 0

DATE SUBMITTED: 8/21/18 SUBMITTED BY: M. BECHEL

SPECIAL INSTRUCTIONS: Information in this location will not be entered into Envision.

COMMENTS/REMARKS: Only text in this area will be entered as a blue book comment. Please attach and label additional sheets needed for comments.

CALARP DEREGISTRATION FORM RECEIVED ON 8/21/18. INACTIVATE PE'S 5103 AND 5111. UPDATE PE 5015 TO 5013. REVERSE INVOICE IN0132052 AND DEMAND BILL FOR UPDATED PE'S.

FOR FISCAL USE ONLY: Fiscal comments / remarks / instruction area (for use between OFM Fiscal and Admin Fiscal)

IN0132052 - REVERSE LINES 5 (PE 5015), 7 (PE 5111) AND 8 (PE 5103). UPDATED PE 5013 LINE 9 HAS BEEN ADDED. WILL DEMAND.

☒ 5050 scanned and emailed to Fiscal 8/23/18 (AL) Date Initials

☐ 5054 scanned and emailed to Fiscal Date Initials

DEMAND BILLED
- FOR UPDATED PE'S
- $2966.00 BALANCE DUE
- DUE DATE 10/12/18
- (AL) 08-28-18

INTEROFFICE MEMO

DATE: 8/27/2018 **PHONE:** 909-387-5961

FROM: **Lisa Goodson**
Collections Officer, Fiscal Services Division
MAIL CODE: 0451

TO: **Michael Sadsad, Fiscal Services and Collections Supervisor**

SUBJECT: **Request to APPROVE/DENY financial adjustments**

The facility listed below was incorrectly billed and/or penalized due to the following reason/s:

FA0002943 – IN0132052 – ETIWANDA GENERATING STATION

- ☐ Incorrect permits billed prior to update to facility permit records based on inspection.
- ☐ Facility moved to another location within the County of San Bernardino prior to permit expiration.
- ☐ There was an address error in the system.
- ☐ Admin fee assessed after payment for permit fees and delinquent fees remitted.
- ☐ Business ceased operations prior to permit billing and/or permit requirement.
- ☐ Ownership change occurred prior to permit renewal.
- ☐ Other:

Completed

Michael Sadsad

CHRISTINE TENORIO

Chief Hartwig

CAO Analyst Approval _____

RECEIVED
AUG 30 2018
S.B. CO. FIRE DEPT.

N BERNARDINO COUNTY CUPA
FACILITY INFORMATION

0002170

☒ Update/Assign PEs ☐ Update Non-CERS Fields ☐ Referral to Team CERS ☐ 0202 ☐ Closure ☐ Other ☒ Invoice Reversal ☐ 5054 Attached ☒ Demand Bill

OWNER INFORMATION — OWNER ID: OW0002476

NAME: **NRG California South LP**

ADDRESS: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739-9173** COUNTRY: **US**

PHONE: **909-899-7260** EXT: FYI LAST UPDATED: **12/11/2017**

FACILITY INFORMATION — FACILITY ID: FA0002943

BUSINESS NAME: **ETIWANDA GENERATING STATION** CERS ID: **10038976**

SITE ADDRESS: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739** FAX: **909-899-7242**

BUSINESS PHONE: **909-899-7260** EXT:

BUSINESS OPERATOR NAME: **Etiwanda Generating Station**

OPERATOR PHONE: **909-899-7290** EXT: FYI LAST UPDATED: **08/16/2018**

FACILITY MAILING ADDRESS

MAILING ADDRESS: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739** COUNTRY: **USA**

BILLING CONTACT — ACCOUNT ID: AR0002943

BILLING CONTACT NAME: **ENVIRONMENTAL OR SAFETY COORD.**

ADDRESS 1: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739-9173** COUNTRY: **US**

PHONE: **909-899-7260** EXT: EMAIL:

ENVIRONMENTAL CONTACT

NAME: **Rick Fatten** PHONE: **909-899-7242** EXT:

EMAIL: **richard.fatten@genon.com**

NON-CERS INFORMATION

FACILITY EMAIL (OPTIONAL): **CHARLES.LINDER@NRGENERGY.COM JIM.BARR@NRGENERGY.COM; JULIE.BABCOCK@NRGENERGY.COM**

LOCAL FACILITY PHONE (OPTIONAL): EXT:

CENSUS: MILITARY SCHOOL MEDICAL BUSINESS CODE: **CORPORATION** BUSINESS TYPE: **OTHER**

SUPERVISORIAL DISTRICT: **002** INSPECTION DISTRICT: **02** FIRE JURISDICTION: **R C FIRE**

FYI ACCOUNT STATUS: **ACTIVE ACCOUNT** FYI ANNIVERSARY DATE: **09/30/2002** FYI LAST BILLING: **08/15/2018**

FYI EXEMPT FROM BILLING: **NO** FYI TOTAL DUE: **6,722.00**

Business Code= 01-Corporation, 02-Individual, 03-Partnership, 04-Local Agency/District, 05-County Agency, 06-State Agency, 07-Federal Agency
Business Type=01-Gas Station, 02-Distributor, 03-Farm, 04-Processor, 05-Commercial, 06-Other

FOR OFFICE USE ONLY:

☒ BC Entry Complete	AUG 22 2018 CB	☐ QC Complete		N/A ☐ ☐ Fiscal Entry Complete		N/A ☐ ☐ Referral to Team CERS	
Date	Initials	Date	Initials	Date	Initials	Date	Initials

PERMIT INFORMATION (CIRCLE THOSE THAT APPLY)

5015-CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 5

	PERMIT NUMBER	PERMIT STATUS	ORIGINAL P.E.	EFFECTIVE DATE	EXPIRATION DATE
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002265	ACTIVE	4032-APSA 10,001-100,000 GAL I	10/01/2017	09/30/2018
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0002503	ACTIVE, BILLABLE			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002264	ACTIVE	4246-HAZARDOUS MATERIALS I	10/01/2017	09/30/2018
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0002502	ACTIVE, BILLABLE			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013931	INACTIVE	4270-EPCRA FACILITY	10/01/2012	09/30/2013
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0012329	INACTIVE, NON-BILLAB			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0038095	ACTIVE	4354-RCRA LARGE QUANTITY G	10/01/2017	09/30/2018
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E		
	PR0049374	ACTIVE, BILLABLE			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002263	INACTIVE	4454-LARGE QUANTITY GENER	10/01/2017	09/30/2018
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0002501	INACTIVE, NON-BILLAB			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002262	INACTIVE	4703-CE ANNUAL FEE	10/01/2002	09/30/2003
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0002500	INACTIVE, NON-BILLAB			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013929	INACTIVE	5102-CALARP FACILITY PERMIT	10/01/2012	09/30/2013
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0012327	INACTIVE, NON-BILLAB			
☐ UPDATE ☒ INACTIVATE ☐ ZERO OUT BALANCE	PT0013930	ACTIVE	5103-CALARP STATE FEE	10/01/2017	09/30/2018
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0012328	ACTIVE, BILLABLE			
☐ UPDATE ☒ INACTIVATE ☐ ZERO OUT BALANCE	PT0015103	ACTIVE	5111-RMP INSPECTION - PROGR	10/01/2017	09/30/2018
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0013532	ACTIVE, BILLABLE			

ADD NEW P.E.

NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.
NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.

☒ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE

5013

*NEW CUPA Admin P.E

NUMBER OF ACTIVE UST'S 0

DATE SUBMITTED: 8/21/18 SUBMITTED BY: M. BECHEL

SPECIAL INSTRUCTIONS: Information in this location will not be entered into Envision.

COMMENTS/REMARKS: Only text in this area will be entered as a blue book comment. Please attach and label additional sheets needed for comments.

CALARP DEREGISTRATION FORM RECEIVED ON 8/21/18. INACTIVATE PE'S 5103 AND 5111. UPDATE PE 5015 TO 5013. REVERSE INVOICE IN0132052 AND DEMAND BILL FOR UPDATED PE'S.

FOR FISCAL USE ONLY: Fiscal comments / remarks / instruction area (for use between OFM Fiscal and Admin Fiscal)

IN0132052 - REVERSE LINES 5 (PE 5015), 7 (PE 5111) AND 8 (PE 5103). UPDATED PE 5013 LINE 9 HAS BEEN ADDED. WILL DEMAND.

Completed

☒ 5050 scanned and emailed to Fiscal 8/23/18 (AC) Date Initials

☐ 5054 scanned and emailed to Fiscal Date Initials

Goodson, Lisa

From: Cox, Aaron
Sent: Thursday, August 23, 2018 3:57 PM
To: Goodson, Lisa
Subject: FA0002943 IN0132052 ETIWANDA GENERATING STATION
Attachments: Sofmbizhub218082315110.pdf

REVERSE LINE 5 PE 5015, LINE 9 PE 5111 AND LINE 8 PE 5103 PER 5050. UPDATED PE 5013 LINE 9 HAS BEEN ADDED. WILL DEMAND BILL.

Completed

Goodson, Lisa

From: Cox, Aaron
Sent: Tuesday, August 28, 2018 12:00 PM
To: Goodson, Lisa
Subject: RE: FA0002943 IN0132052 ETIWANDA GENERATING STATION

Importance: High

I made a typo. PLEASE REVERSE LINE 7 PE PE5111, NOT LINE 9. LINE 9 IS THE CORRECT PE.

SORRY ABOUT THE ERROR.

From: Cox, Aaron
Sent: Thursday, August 23, 2018 3:55 PM
To: Goodson, Lisa <igoodson@sbcfire.org>
Subject: FA0002943 IN0132052 ETIWANDA GENERATING STATION

REVERSE LINE 5 PE 5015, LINE 9 PE 5111 AND LINE 8 PE 5103 PER 5050. UPDATED PE 5013 LINE 9 HAS BEEN ADDED. WILL DEMAND BILL.

Completed

AN BERNARDINO COUNTY CU
FACILITY INFORMATION

0002170

☒ Update/Assign PEs ☐ Referral to Team CERS ☐ Closure ☐ Invoice Reversal ☐ Demand Bill
☐ Update Non-CERS Fields ☐ 0202 ☐ Other ☐ 5054 Attached

OWNER INFORMATION — OWNER ID: OW0002476

NAME: **NRG CALIFORNIA SOUTH LP-ETIWANDA**

ADDRESS: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739-9173** COUNTRY: **USA**

PHONE: **909-899-7260** EXT: FYI LAST UPDATED: **08/06/2015**

FACILITY INFORMATION — FACILITY ID: FA0002943

BUSINESS NAME: **ETIWANDA GENERATING STATION** CERS ID: **10038976**

SITE ADDRESS: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739** FAX: **909-899-7290**

BUSINESS PHONE: **909-899-7220** EXT:

BUSINESS OPERATOR NAME: **GENON WEST LP-ETIWANDA**

OPERATOR PHONE: **909-889-7290** EXT: FYI LAST UPDATED: **02/28/2017**

FACILITY MAILING ADDRESS

MAILING ADDRESS: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739** COUNTRY: **USA**

BILLING CONTACT — ACCOUNT ID: AR0002943

BILLING CONTACT NAME: **ENVIRONMENTAL OR SAFETY COORD.**

ADDRESS 1: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739-9173** COUNTRY: **USA**

PHONE: **909-899-7260** EXT: EMAIL:

ENVIRONMENTAL CONTACT

NAME: **CHARLES LINDER** PHONE: **909-899-7290** EXT:

EMAIL: **CHARLES.LINDER@NRGENERGY.COM**

NON-CERS INFORMATION

FACILITY EMAIL (OPTIONAL): **CHARLES.LINDER@NRGENERGY.COM JIM.BARR@NRGENERGY.COM; JULIE.BABCOCK@NRGENERGY.COM**

LOCAL FACILITY PHONE (OPTIONAL): EXT:

CENSUS: MILITARY SCHOOL MEDICAL BUSINESS CODE: **CORPORATION** BUSINESS TYPE: **OTHER**

SUPERVISORIAL DISTRICT: **002** INSPECTION DISTRICT: **02** FIRE JURISDICTION: **R C FIRE**

FYI ACCOUNT STATUS: **ACTIVE ACCOUNT** FYI ANNIVERSARY DATE: **09/30/2002** FYI LAST BILLING: **08/15/2017**

FYI EXEMPT FROM BILLING: **NO** FYI TOTAL DUE: **0.00**

Business Code= 01-Corporation, 02-Individual, 03-Partnership, 04-Local Agency/District, 05-County Agency, 06-State Agency, 07-Federal Agency
Business Type=01-Gas Station, 02-Distributor, 03-Farm, 04-Processor, 05-Commercial, 06-Other

FOR OFFICE USE ONLY:

☐ EC Entry Complete		☐ QC Complete		N/A ☐ ☐ Fiscal Entry Complete		N/A ☐ ☐ Referral to Team CERS	
OCT 16 2017							
Date	Initials	Date	Initials	Date	Initials	Date	Initials

PERMIT INFORMATION (CIRCLE THOSE THAT APPLY)

5015-CUPA ANNUAL ADMIN PERMIT PROGRAM FEE-LEVEL 5

	PERMIT NUMBER	PERMIT STATUS	ORIGINAL P.E.	EFFECTIVE DATE	EXPIRATION DATE
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002265	ACTIVE	4032-APSA 10,001-100,000 GAL I	10/01/2017	09/30/2018
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0002503	ACTIVE, BILLABLE			
☐ UPDATE ☐ INACTIVATE ☒ ZERO OUT BALANCE	PT0002264	ACTIVE	4246-HAZARDOUS MATERIALS I	10/01/2017	09/30/2018
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0002502	ACTIVE, BILLABLE			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013931	INACTIVE	4270-EPCRA FACILITY	10/01/2012	09/30/2013
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0012329	INACTIVE, NON-BILLAB			
☒ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002263	ACTIVE	4455-SUPER LARGE QUANTITY	10/01/2017	09/30/2018
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0002501	ACTIVE, BILLABLE	4454		
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002262	INACTIVE	4703-CE ANNUAL FEE	10/01/2002	09/30/2003
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0002500	INACTIVE, NON-BILLAB			
☐ UPDATE ☐ INACTIVATE ☒ ZERO OUT BALANCE	PT0013929	INACTIVE	5102-CALARP FACILITY PERMIT	10/01/2012	09/30/2013
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0012327	INACTIVE, NON-BILLAB			
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013930	ACTIVE	5103-CALARP STATE FEE	10/01/2017	09/30/2018
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0012328	ACTIVE, BILLABLE			
☐ UPDATE ☒ INACTIVATE ☐ ZERO OUT BALANCE	PT0015103	ACTIVE	5111-RISK MANAGEMENT PLAN	10/01/2017	09/30/2018
	GHP OR UST ID	CURRENT STATUS(BILLING)	UPDATED P.E.		
	PR0013532	ACTIVE, BILLABLE			

ADD NEW P.E.

NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.
NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.

☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE

*NEW CUPA Admin P.E.

NUMBER OF ACTIVE UST'S 0

DATE SUBMITTED: 10/13/17 SUBMITTED BY: MARK BECHEL

SPECIAL INSTRUCTIONS: Information in this location will not be entered into Envision.

COMMENTS/REMARKS: Only text in this area will be entered as a blue book comment. Please attach and label additional sheets needed for comments.

PER INSPECTION ON 10/13/17, FACILITY GENERATOR STATUS HAS CHANGED. UPDATE PE 4455 TO 4454.

FOR FISCAL USE ONLY: Fiscal comments / remarks / instruction area (for use between OFM Fiscal and Admin Fiscal)

HAZARDOUS MATERIAL FIELD SERVICES

COMPUTER DATABASE UPDATE AUTHORIZATION (5050 Form)

File

☐ Quick Submit-Correct minor information without full verification.

Update

CURRENT INVOICE MAILING CODE: A

O- OWNER INFORMATION

OWNER ID: OW0002476

Legal Owner

*NAME: NRG CALIFORNIA SOUTH LP-ETIWANDA

*ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

*CITY: RANCHO CUCAMONGA *STATE: CA *ZIP CODE: 91739-9173 *COUNTRY: USA

*PHONE: 909-899-7260 EXT: FAX:

ALT PHONE: 909-889-7290 EXT: FYI LAST UPDATED: 04/09/2014

OWNER MAILING ADDRESS

☐ Same as Owner

CARE OF: ENVIRONMENTAL OR SAFETY COORD. DBA: ETIWANDA GENERATING STATION

ADDRESS1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739-9173 COUNTRY: USA

F- FACILITY INFORMATION

FACILITY ID: FA0002943

*NAME: ETIWANDA GENERATING STATION CERS ID: 10038976

*ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

*CITY: RANCHO CUCAMONGA *STATE: CA *ZIP CODE: 91739 *CITY CODE: RANCHO CUCAMONGA

*PHONE: 909-899-7220 EXT: ALT PHONE: 909-889-7290 EXT: FAX: 909-899-7222

CENSUS: MILITARY SCHOOL MEDICAL *SUPERVISORIAL DISTRICT: 002 *INSPECTION DISTRICT: 02 NUMBER OF EMP.: 34

FIRE JURISDICTION: R C FIRE SIC CODE: Electric Services

*BUSINESS CODE: CORPORATION *BUSINESS TYPE: OTHER FYI LAST UPDATED: 07/30/2014

FACILITY MAILING ADDRESS

☐ Same as Owner Mailing Address ☐ Same as Facility

BUSINESS NAME: ETIWANDA GENERATING STATION

CARE OF: GENON WEST LP-ETIWANDA

ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739 COUNTRY: USA

*EMAIL: CHARLES.LINDER@~~GENON.COM~~; JIM.BARR@GENON.COM; ~~JULIE.BABCOCK@NRGENERGY.COM~~ nrgenergy

nrgenergy.com

☐ NO EMAIL (insert comment 3899 with "NO EMAIL-Inspector Name")

A- A/R INFORMATION

ACCOUNT ID: AR0002943

☐ Same as Owner Mailing Address ☐ Same as Facility Mailing Address

RESPONSIBLE PARTY: NRG CALIFORNIA SOUTH LP

CARE OF: ENVIRONMENTAL OR SAFETY COORDINATOR

ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739-9173 COUNTRY:

PHONE: EXT: ALT PHONE: EXT:

ALT PHONE 2: EXT: FYI EXEMPT FROM BILLING: NO FYI Last Billing: 08/15/2014

FYI ANNIVERSARY DATE: 09/30/2002 FYI ACCOUNT STATUS: ACTIVE ACCOUNT FYI TOTAL DUE: 0.00

ENVIRONMENTAL CONTACT NAME: CHARLES LINDER EMAIL: CHARLES.LINDER@~~GENON.COM~~ nrgenergy.com

Business Code= 01-Corporation, 02-Individual, 03-Partnership, 04-Local Agency/District, 05-County Agency, 06-State Agency, 07-Federal Agency

Business Type=01-Gas Station, 02-Distributor, 03-Farm, 04-Processor, 05-Commercial, 06-Other

The fields that are marked with an asterisk must be completed or the form will be returned to the requestor. The requestor is expected **to complete all fields** on this form to the best of his or her ability. Please use the Quick Submit process reasonably.

PERMIT INFORMATION (CIRCLE THOSE THA PLY)

5015-CUPA ANNUAL I PERMIT PROGRAM FEE-LEVEL 5

☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002265 PERMIT NUMBER	ACTIVE PERMIT STATUS	4032-APSA 10,001-100,000 GAL I ORIGINAL P.E.	10/01/2013 EFFECTIVE DATE	09/30/2014 EXPIRATION DATE
			PR0002503 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002264 PERMIT NUMBER	ACTIVE PERMIT STATUS	4246-HAZARDOUS MATERIALS ! ORIGINAL P.E.	10/01/2013 EFFECTIVE DATE	09/30/2014 EXPIRATION DATE
			PR0002502 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013931 PERMIT NUMBER	INACTIVE PERMIT STATUS	4270-EPCRA FACILITY ORIGINAL P.E.	10/01/2012 EFFECTIVE DATE	09/30/2013 EXPIRATION DATE
			PR0012329 GHP OR UST ID	INACTIVE, NON-BILLAB CURRENT STATUS(BILLING)	UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002263 PERMIT NUMBER	ACTIVE PERMIT STATUS	4455-SUPER LARGE QUANTITY ORIGINAL P.E.	10/01/2013 EFFECTIVE DATE	09/30/2014 EXPIRATION DATE
			PR0002501 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002262 PERMIT NUMBER	INACTIVE PERMIT STATUS	4703-CE ANNUAL FEE ORIGINAL P.E.	10/01/2002 EFFECTIVE DATE	09/30/2003 EXPIRATION DATE
			PR0002500 GHP OR UST ID	INACTIVE, NON-BILLAB CURRENT STATUS(BILLING)	UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013929 PERMIT NUMBER	INACTIVE PERMIT STATUS	5102-CALARP FACILITY PERMIT ORIGINAL P.E.	10/01/2012 EFFECTIVE DATE	09/30/2013 EXPIRATION DATE
			PR0012327 GHP OR UST ID	INACTIVE, NON-BILLAB CURRENT STATUS(BILLING)	UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013930 PERMIT NUMBER	ACTIVE PERMIT STATUS	5103-CALARP STATE FEE ORIGINAL P.E.	10/01/2012 EFFECTIVE DATE	09/30/2013 EXPIRATION DATE
			PR0012328 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0015103 PERMIT NUMBER	ACTIVE PERMIT STATUS	5111-RISK MANAGEMENT PLAN ORIGINAL P.E.	10/01/2013 EFFECTIVE DATE	09/30/2014 EXPIRATION DATE
			PR0013532 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	UPDATED P.E.

ADD NEW P.E.

NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE
NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	*NEW CUPA Admin P.E.

NUMBER OF ACTIVE UST'S 0

*Is this an operating facility that does not require permits (keep AR active and add 0202 GHP record)? Yes (No)

*Should this facility be inactivated upon verification that there is no balance due? Yes (No)

*Is this a new owner (a blue book comment is required if Q is yes and there is not a request for demand bill)? Yes (No)

*Does this 5050 have attached documents? Yes No

ENTERED

OCT 22 2014

*DATE SUBMITTED: 10-21-14 DATE ENTERED: FISCAL ENTRY DATE/ INITIAL:

*SUBMITTED BY: Brian Wade ENTERED BY: J.S. ***Demand bill for updated PEs**: Yes (No)

SPECIAL INSTRUCTIONS: Information in this location will not be entered into Envision.

COMMENTS/REMARKS: Only text in this area will be entered as a blue book comment. Please attach and label additional sheets needed for comments.

QC ENTERED

DEC 16 2014

The fields that are marked with an asterisk must be completed or the form will be returned to the requestor. The requestor is expected to complete all fields on this form to the best of his or her ability. Please use the Quick Submit process reasonably.

HAZ OUS MATERIAL FIELD SERVI S

File

COMPUTER DATABASE UPDATE AUTHORIZATION (5050 Form)

☐ Quick Submit-Correct minor information without full verification.

*UPDATE INVOICE MAILING CODE: (CIRCLE ONE) O F A CURRENT INVOICE MAILING CODE: O

O- OWNER INFORMATION — OWNER ID: OW0002476

Legal Owner

*NAME: GENON WEST, LP - Etiwanda

*ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

*CITY: RANCHO CUCAMONGA *STATE: CA *ZIP CODE: 91739-9173 *COUNTRY: USA

*PHONE: 909-899-7260 EXT: PH FAX:

ALT PHONE: 909-889-~~7220~~ 7290 EXT: PH FYI LAST UPDATED: 06/23/2011

OWNER MAILING ADDRESS

☐ Same as Owner

CARE OF: ENVIRONMENTAL + SAFETY COORD. DBA: GENON WEST LP

ADDRESS1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739-9173 COUNTRY: USA

F- FACILITY INFORMATION — FACILITY ID: FA0002943

*NAME: ~~GENONWEST, LP~~ Etiwanda Generating Station CERS ID: 10038976

*ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

*CITY: RANCHO CUCAMONGA *STATE: CA *ZIP CODE: 91739 *CITY CODE: RANCHO CUCAMONGA

*PHONE: 909-899-~~7260~~ OKAY EXT: ALT PHONE: 909-889-~~7220~~ 7290 EXT: FAX: 909-899-7222

CENSUS: MILITARY SCHOOL MEDICAL *SUPERVISORIAL DISTRICT: 002 *INSPECTION DISTRICT: 02 NUMBER OF EMP.: ~~33~~ 35

FIRE JURISDICTION: R C FIRE SIC CODE: Electric Services

*BUSINESS CODE: CORPORATION *BUSINESS TYPE: OTHER FYI LAST UPDATED: 06/23/2011

FACILITY MAILING ADDRESS

☐ Same as Facilit ☐ Same as Owner Mailing Address

BUSINESS NAME: ~~GENON WEST, LP~~ Etiwanda Generating Station

CARE OF:

ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739 COUNTRY: USA

*EMAIL: ~~PLACROIX@RRIENERGY.COM; JIM.BARR@GENON.COM~~ charles.linder@genon.com ☐ NO EMAIL (insert comment 3899 with "NO EMAIL-Inspector Name)

A- A/R INFORMATION — ACCOUNT ID: AR0002943

☐ Same as Owner Mailing Address ☐ Same as Facilit Mailing Address

RESPONSIBLE PARTY: GENON WEST, LP - Etiwanda

CARE OF: ENVIRONMENTAL OR & SAFETY COORDINATOR

ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739-0000 COUNTRY:

PHONE: EXT: ALT PHONE: EXT:

ALT PHONE 2: EXT: FYI EXEMPT FROM BILLING: NO FYI LAST UPDATED: 06/06/2011

FYI ANNIVERSARY DATE: 09/30/2002 FYI ACCOUNT STATUS: ACTIVE ACCOUNT FYI TOTAL DUE: 0.00

Business Code= 01-Corporation, 02-Individual, 03-Partnership, 04-Local Agency/District, 05-County Agency, 06-State Agency, 07-Federal Agency
Business Type=01-Gas Station, 02-Distributor, 03-Farm, 04-Processor, 05-Commercial, 06-Other

The fields that are marked with an asterisk must be completed or the form will be returned to the requestor. The requestor is expected **to complete all fields** on this form to the best of his or her ability. Please use the Quick Submit process reasonably.

PERMIT INFORMATION (CIRCLE THOSE THAT APPLY)

☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002265 PERMIT NUMBER.	ACTIVE PERMIT STATUS	4032-APSA 10,001-100,000 L I ORIGINAL P.E.	10/01/2007 EFFECTIVE DATE	09/30/2008 EXPIRATION DATE
			PR0002503 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002264 PERMIT NUMBER.	ACTIVE PERMIT STATUS	4204-HAZMAT HANDLER 26-50 E ORIGINAL P.E.	10/01/2010 EFFECTIVE DATE	09/30/2011 EXPIRATION DATE
			PR0002502 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013931 PERMIT NUMBER.	ACTIVE PERMIT STATUS	4270-EPCRA FACILITY ORIGINAL P.E.	10/01/2010 EFFECTIVE DATE	09/30/2011 EXPIRATION DATE
			PR0012329 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002263 PERMIT NUMBER.	ACTIVE PERMIT STATUS	4412-GENERATOR - 26-50 EMPL ORIGINAL P.E.	10/01/2010 EFFECTIVE DATE	09/30/2011 EXPIRATION DATE
			PR0002501 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002262 PERMIT NUMBER.	INACTIVE PERMIT STATUS	4703-CE ANNUAL FEE ORIGINAL P.E.	10/01/2002 EFFECTIVE DATE	09/30/2003 EXPIRATION DATE
			PR0002500 GHP OR UST ID	INACTIVE, NON-BILLAB CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013929 PERMIT NUMBER.	ACTIVE PERMIT STATUS	5102-CALARP FACILITY PERMIT ORIGINAL P.E.	10/01/2010 EFFECTIVE DATE	09/30/2011 EXPIRATION DATE
			PR0012327 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013930 PERMIT NUMBER.	ACTIVE PERMIT STATUS	5103-CALARP STATE FEE ORIGINAL P.E.	10/01/2010 EFFECTIVE DATE	09/30/2011 EXPIRATION DATE
			PR0012328 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0015103 PERMIT NUMBER.	ACTIVE PERMIT STATUS	5111-RISK MANAGEMENT PLAN ORIGINAL P.E.	10/01/2010 EFFECTIVE DATE	09/30/2011 EXPIRATION DATE
			PR0013532 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.

ADD NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.
	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.

NUMBER OF ACTIVE UST'S 0

*Is this an operating facility that does not require permits (keep AR active and add 0202 GHP record)? Yes (No)

*Should this facility be inactivated upon verification that there is no balance due? Yes (No)

*Is this a new owner (a blue book comment is required if Q is yes and there is not a request for demand bill)? Yes (No)

*Does this 5050 have attached documents? Yes No

ENTERED

*DATE SUBMITTED: 8-2-11 DATE ENTERED: AUG 10 2011 FISCAL ENTRY DATE/ INITIAL:

*SUBMITTED BY: Monica Kaulentti ENTERED BY: *Demand bill for updated PEs: Yes (No)

SPECIAL INSTRUCTIONS: Information in this location will not be entered into Envision.

COMMENTS/REMARKS: Only text in this area will be entered as a blue book comment. Please attach and label additional sheets needed for comments.

Update Owner, Facility & AR info.

The fields that are marked with an asterisk must be completed or the form will be returned to the requestor. The requestor is expected to complete all fields on this form to the best of his or her ability. Please use the Quick Submit process reasonably.

file

HA RDOUS MATERIAL FIELD SER ES
COMPUTER DATABASE UPDATE AUTHORIZATION (5050 Form)

☐ Quick Submit-Correct minor information without full verification.

*UPDATE INVOICE MAILING CODE: (CIRCLE ONE) O F A CURRENT INVOICE MAILING CODE: O

O- OWNER INFORMATION — OWNER ID: OW0002476

Legal Owner

*NAME: ~~RRI ENERGY, INC.~~ GenOn West, LP

*ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

*CITY: RANCHO CUCAMONGA *STATE: CA *ZIP CODE: 91739-9173 *COUNTRY: USA

*PHONE: 909-899-7260 EXT: PH FAX:

ALT PHONE: 909-899-7238 EXT: PH FYI LAST UPDATED: 06/10/2010

OWNER MAILING ADDRESS

☐ Same as Owner

CARE OF: ENVIRONMENTAL + SAFETY COORD. DBA: RRI ENERGY, INC.

ADDRESS1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739-9173 COUNTRY: USA

F- FACILITY INFORMATION — FACILITY ID: FA0002943

*NAME: ~~RRI ENERGY ETIWANDA~~ GenOn West, LP

*ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

*CITY: RANCHO CUCAMONGA *STATE: CA *ZIP CODE: 91739 *CITY CODE: RANCHO CUCAMONGA

*PHONE: 909-899-7260 EXT: ALT PHONE: 909-899-7246 EXT: FAX: 909-899-7222

CENSUS: MILITARY SCHOOL MEDICAL *SUPERVISORIAL DISTRICT: 002 *INSPECTION DISTRICT: 02 NUMBER OF EMP.: 36

FIRE JURISDICTION: R C FIRE SIC CODE: Electric Services

*BUSINESS CODE: CORPORATION *BUSINESS TYPE: OTHER FYI LAST UPDATED: 11/29/2010

FACILITY MAILING ADDRESS

☐ Same as Facility ☐ Same as Owner Mailing Address

BUSINESS NAME: ~~RRI ENERGY ETIWANDA~~ GenOn West, LP

CARE OF:

ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739 COUNTRY: USA

*EMAIL: PLACROIX@RRIENERGY.COM ☐ NO EMAIL (insert comment 3899 with "NO EMAIL-Inspector Name)

A- A/R INFORMATION — ACCOUNT ID: AR0002943

RESPONSIBLE PARTY: ~~RELIANT ENERGY ETIWANDA~~ GenOn West, LP ☐ Same as Owner Mailing Address ☐ Same as Facility Mailing Address

CARE OF: ENVIRONMENTAL & SAFETY COORDINATOR

ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739-0000 COUNTRY:

PHONE: EXT: ALT PHONE: EXT:

ALT PHONE 2: EXT: FYI EXEMPT FROM BILLING: NO FYI LAST UPDATED: 02/07/2011

FYI ANNIVERSARY DATE: 07/31/2002 FYI ACCOUNT STATUS: ACTIVE ACCOUNT FYI TOTAL DUE: 0.00

Business Code= 01-Corporation, 02-Individual, 03-Partnership, 04-Local Agency/District, 05-County Agency, 06-State Agency, 07-Federal Agency
Business Type=01-Gas Station, 02-Distributor, 03-Farm, 04-Processor, 05-Commercial, 06-Other

The fields that are marked with an asterisk must be completed or the form will be returned to the requestor. The requestor is expected **to complete all fields** on this form to the best of his or her ability. Please use the Quick Submit process reasonably.

PERMIT INFORMATION (CIRCLE THOSE THAT APPLY)

☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002265 PERMIT NUMBER.	..CTIVE PERMIT STATUS	4032-APSA 10,001-100,000 G ORIGINAL P.E.	08/01/2007 EFFECTIVE DATE	07/31/2008 EXPIRATION DATE
			PR0002503 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002264 PERMIT NUMBER.	ACTIVE PERMIT STATUS	4204-HAZMAT HANDLER 26-50 E ORIGINAL P.E.	08/01/2010 EFFECTIVE DATE	07/31/2011 EXPIRATION DATE
			PR0002502 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013931 PERMIT NUMBER.	ACTIVE PERMIT STATUS	4270-EPCRA FACILITY ORIGINAL P.E.	08/01/2010 EFFECTIVE DATE	07/31/2011 EXPIRATION DATE
			PR0012329 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002263 PERMIT NUMBER.	ACTIVE PERMIT STATUS	4412-GENERATOR - 26-50 EMPL ORIGINAL P.E.	08/01/2010 EFFECTIVE DATE	07/31/2011 EXPIRATION DATE
			PR0002501 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002262 PERMIT NUMBER.	INACTIVE PERMIT STATUS	4703-CE ANNUAL FEE ORIGINAL P.E.	08/01/2002 EFFECTIVE DATE	07/31/2003 EXPIRATION DATE
			PR0002500 GHP OR UST ID	INACTIVE, NON-BILLAB CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013929 PERMIT NUMBER.	ACTIVE PERMIT STATUS	5102-CALARP FACILITY PERMIT ORIGINAL P.E.	08/01/2010 EFFECTIVE DATE	07/31/2011 EXPIRATION DATE
			PR0012327 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013930 PERMIT NUMBER.	ACTIVE PERMIT STATUS	5103-CALARP STATE FEE ORIGINAL P.E.	08/01/2010 EFFECTIVE DATE	07/31/2011 EXPIRATION DATE
			PR0012328 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0015103 PERMIT NUMBER.	ACTIVE PERMIT STATUS	5111-RISK MANAGEMENT PLAN ORIGINAL P.E.	08/01/2010 EFFECTIVE DATE	07/31/2011 EXPIRATION DATE
			PR0013532 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	 UPDATED P.E.

ADD NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.
	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.

NUMBER OF ACTIVE UST'S **0**

*Is this an operating facility that does not require permits (keep AR active and add 0202 GHP record)? Yes (No)

*Should this facility be inactivated upon verification that there is no balance due? Yes (No)

*Is this a new owner (a blue book comment is required if Q is yes and there is not a request for demand bill)? Yes (No)

*Does this 5050 have attached documents? (Yes) No ENTERED

*DATE SUBMITTED: 2-11-11 DATE ENTERED: FEB 24 2011 FISCAL ENTRY DATE/ INITIAL:

*SUBMITTED BY: KBrundage ENTERED BY: ***Demand bill for updated PEs**: Yes (No)

SPECIAL INSTRUCTIONS: Information in this location will not be entered into Envision. BW

COMMENTS/REMARKS: Only text in this area will be entered as a blue book comment. Please attach and label additional sheets needed for comments.

Corporate name change/merger. Please ~~bf~~ update + bill @ regular billing cycle. Thank You, Kathleen

The fields that are marked with an asterisk must be completed or the form will be returned to the requestor. The requestor is expected to **complete all fields** on this form to the best of his or her ability. Please use the Quick Submit process reasonably.

GenOn

1000 Main Street
Houston, Texas 77002

January 22, 2011

Office of the Fire Marshal
San Bernardino County Fire Department
620 South E Street
San Bernardino, CA 92415-0179

Re: Permits PT0013929, PT0013930, PT0013931, PT0002263, PT0002264, PT0002265, and FA0002943; Name Change Notification

Office of the Fire Marshal:

On 12/03/2010, RRI Energy, Inc. and Mirant Corporation completed a merger to form GenOn Energy, Inc. In connection with the merger, the wholly-owned subsidiary and holder of the referenced permit, RRI Energy West, Inc., changed its name to GenOn West, LP on 12/31/2010. There is no change in the Etiwanda Generating Station owner, operator or control. Furthermore, there is no change in facility operation, its emissions and discharges or any other conditions represented in the referenced permit.

Documentation evidencing the name change is enclosed. You can find additional information about GenOn Energy on its website www.GenOn.com. If there are any questions, please contact me at (702) 407-4880 or julie.babcock@genon.com.

Sincerely,

Julie Babcock
Manager – California Environmental Operations and Compliance

Enclosure
cc: L.J. Moore

RECEIVED
JAN 27 2011
S.B. CO. FIRE DEPT.

Delaware

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"RRI ENERGY WEST, INC.", A DELAWARE CORPORATION,

WITH AND INTO "GENON WEST, LP" UNDER THE NAME OF "GENON WEST, LP", A LIMITED PARTNERSHIP ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2010, AT 8:26 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF MERGER IS THE THIRTY-FIRST DAY OF DECEMBER, A.D. 2010, AT 11:53 O'CLOCK P.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



Jeffrey W. Bullock, Secretary of State

4920393 8100M

AUTHENTICATION: 8463443

101248092

DATE: 12-31-10

You may verify this certificate online at corp.delaware.gov/authver.shtml

State of Delaware
Secretary of State
Division of Corporations
Delivered 08:21 AM 12/31/2010
FILED 08:26 AM 12/31/2010
SRV 101248092 - 4920393 FILE

CERTIFICATE OF MERGER

OF

RRI ENERGY WEST, INC.

WITH AND INTO

GENON WEST, LP

Pursuant to Section 17-211 of the Revised Uniform Limited Partnership Act of the State of Delaware and Section 263 of the General Corporation Law of the State of Delaware

FIRST: The name and jurisdiction of formation or organization and domicile of each of the constituent entities is: GENON WEST, LP, a Delaware limited partnership (the "LP") and RRI ENERGY WEST, INC., a Delaware corporation (the "Corporation").

SECOND: The LP and the Corporation have entered into an Agreement of Merger, dated as of December 31, 2010 (the "Merger Agreement"), providing for the merger of the Corporation with and into the LP pursuant to Section 17-211 of the Revised Uniform Limited Partnership Act of the State of Delaware (the "DRULPA") and Section 263 of the General Corporation Law of the State of Delaware (the "DGCL"). The Merger Agreement has been approved, adopted, certified, executed and acknowledged in accordance with Sections 17-204 and 17-211 of the DRULPA, in the case of the LP, and Sections 103 and 263 of the DGCL, in the case of the Corporation.

THIRD: GENON WEST, LP shall be the surviving entity of the merger (the "Surviving LP").

FOURTH: The Merger Agreement is on file at an office of the Surviving LP at 1000 Main Street, Houston, Texas 77002. A copy of the Merger Agreement will be furnished by the Surviving LP, on request and without cost, to any partner of the LP or to any stockholder of the Corporation.

FIFTH: This Certificate of Merger shall be effective as of December 31, 2010, 11:53 p.m. Eastern Standard Time.

IN WITNESS WHEREOF, the Surviving LP has caused this Certificate of Merger to be duly executed this 31st day of December, 2010.

GENON WEST, LP

By: GENON WEST GP, LLC
Its General Partner

By: /s/ Steven B. Nickerson
Name: Steven B. Nickerson
Title: Authorized Person

Update PE 4002 to 4032

HAZARDOUS MATERIAL FIELD SERVICES
COMPUTER DATABASE UPDATE AUTHORIZATION (5050 Form)

Jill

☐ Quick Submit-Correct minor information without full verification.

UPDATE INVOICE MAILING CODE: (CIRCLE ONE) O F A

CURRENT INVOICE MAILING CODE: O

O- OWNER INFORMATION

OWNER ID: OW0002476

Legal Owner

*NAME: RRI ENERGY, INC.

*ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

*CITY: RANCHO CUCAMONGA *STATE: CA *ZIP CODE: 91739-9173 *COUNTRY: USA

*PHONE: 909-899-7260 EXT: PH FAX:

ALT PHONE: 909-899-7238 EXT: PH FYI LAST UPDATED: 06/10/2009

TAX ID: XX-XXX5456 DRIVER LICENSE:

OWNER MAILING ADDRESS

☐ Same as Owner

CARE OF: ENVIRONMENTAL + SAFETY COORD. DBA: RRI ENERGY, INC.

ADDRESS1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739-9173 COUNTRY: USA

F- FACILITY INFORMATION

FACILITY ID: FA0002943

*NAME: RRI ENERGY ETIWANDA

*ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

*CITY: RANCHO CUCAMONGA *STATE: CA *ZIP CODE: 91739 *CITY CODE: RANCHO CUCAMONGA

CENSUS: MILITARY SCHOOL MEDICAL *BUSINESS CODE: CORPORATION *BUSINESS TYPE: OTHER

SIC CODE: Electric Services *SUPERVISORIAL DISTRICT: 002 *INSPECTION DISTRICT: 02

*PHONE: 909-899-7260 EXT: FIRE JURISDICTION: R C FIRE

ALT PHONE: 909-899-7246 EXT: FAX: 909-899-7222 FYI LAST UPDATED: 08/07/2009

FACILITY MAILING ADDRESS

☐ Same as Facility

☐ Same as Owner Mailing Address

BUSINESS NAME: RRI ENERGY ETIWANDA

CARE OF:

ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739 COUNTRY: USA

EMAIL: PLACROIX@RRIENERGY.COM

A- A/R INFORMATION

ACCOUNT ID: AR0002943

☐ Same as Owner Mailing Address ☐ Same as Facility Mailing Address

RESPONSIBLE PARTY: RELIANT ENERGY ETIWANDA

CARE OF: ENVIRONMENTAL & SAFETY COORDINATOR

ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739-0000 COUNTRY:

PHONE: EXT: TAX ID: XX-XXX5456 DRIVER LICENSE:

ALT PHONE: EXT: FYI EXEMPT FROM BILLING: NO FYI LAST UPDATED: 02/04/2010

ALT PHONE: EXT: FYI TOTAL DUE: 0.00

FYI ANNIVERSARY DATE: 07/31/2002 FYI ACCOUNT STATUS: ACTIVE ACCOUNT

Business Code= 01-Corporation, 02-Individual, 03-Partnership, 04-Local Agency/District, 05-County Agency, 06-State Agency, 07-Federal Agency
Business Type=01-Gas Station, 02-Distributor, 03-Farm, 04-Processor, 05-Commercial, 06-Other

The fields that are marked with an asterisk must be completed or the form will be returned to the requestor. The requestor is expected **to complete all fields** on this form to the best of his or her ability. Please use the Quick Submit process reasonably.

PERMIT INFORMATION (CIRCLE THOSE TH[illegible]APPLY)

☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT000226[illegible] PERMIT NUMBER.	INACTIVE PERMIT STATUS	4703 ORIGINAL P.E.	[illegible]8/01/2002 EFFECTIVE DATE	07/31/2003 EXPIRATION DATE	
PR0002500 GHP OR UST ID	INACTIVE, NON-BILLABLE CURRENT STATUS(BILLING)	NA GHP FOR UST(PH)	NA CURRENT STATUS FOR UST(PH)			UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002263 PERMIT NUMBER.	ACTIVE PERMIT STATUS	4412 ORIGINAL P.E.	08/01/2009 EFFECTIVE DATE	07/31/2010 EXPIRATION DATE	
PR0002501 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	NA GHP FOR UST(PH)	NA CURRENT STATUS FOR UST(PH)			UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002264 PERMIT NUMBER.	ACTIVE PERMIT STATUS	4204 ORIGINAL P.E.	08/01/2009 EFFECTIVE DATE	07/31/2010 EXPIRATION DATE	
PR0002502 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	NA GHP FOR UST(PH)	NA CURRENT STATUS FOR UST(PH)			UPDATED P.E.
☒ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002265 PERMIT NUMBER.	ACTIVE PERMIT STATUS	4002 ORIGINAL P.E.	08/01/2007 EFFECTIVE DATE	07/31/2008 EXPIRATION DATE	
PR0002503 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	NA GHP FOR UST(PH)	NA CURRENT STATUS FOR UST(PH)			4032 UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013929 PERMIT NUMBER.	ACTIVE PERMIT STATUS	5102 ORIGINAL P.E.	08/01/2009 EFFECTIVE DATE	07/31/2010 EXPIRATION DATE	
PR0012327 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	NA GHP FOR UST(PH)	NA CURRENT STATUS FOR UST(PH)			UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013930 PERMIT NUMBER.	ACTIVE PERMIT STATUS	5103 ORIGINAL P.E.	08/01/2009 EFFECTIVE DATE	07/31/2010 EXPIRATION DATE	
PR0012328 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	NA GHP FOR UST(PH)	NA CURRENT STATUS FOR UST(PH)			UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013931 PERMIT NUMBER.	ACTIVE PERMIT STATUS	4270 ORIGINAL P.E.	08/01/2009 EFFECTIVE DATE	07/31/2010 EXPIRATION DATE	
PR0012329 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	NA GHP FOR UST(PH)	NA CURRENT STATUS FOR UST(PH)			UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0015103 PERMIT NUMBER.	ACTIVE PERMIT STATUS	5111 ORIGINAL P.E.	08/01/2009 EFFECTIVE DATE	07/31/2010 EXPIRATION DATE	
PR0013532 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	NA GHP FOR UST(PH)	NA CURRENT STATUS FOR UST(PH)			UPDATED P.E.

ADD NEW P.E.

NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.
NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.

NUMBER OF EMP.: **38** NUMBER OF ACTIVE UST'S **0** MFR # _____

*Is this an operating facility that does not require permits (keep AR active and add 0202 GHP record)? Yes (No)

*Should this facility be inactivated upon verification that there is no balance due? Yes (No)

*Is this a new owner (a blue book comment is required if Q is yes and there is not a request for demand bill)? Yes (No)

*Does this 5050 have attached documents? Yes (No)

*DATE SUBMITTED: 2-8-10 DATE ENTERED: ENTERED FEB 11 2010 FISCAL ENTRY DATE/ INITIAL: _____

*SUBMITTED BY: N Schlotthauer ENTERED BY: _____ ***Demand bill for updated PEs**: Yes (No)

SPECIAL INSTRUCTIONS: Information in this location will not be entered into Envision.

COMMENTS/REMARKS: Only text in this area will be entered as a blue book comment. Please attach and label additional sheets needed for comments.

Per inspection of 7-25-08, update PE 4002 to 4032.

The fields that are marked with an asterisk must be completed or the form will be returned to the requestor. The requestor is expected **to complete all fields** on this form to the best of his or her ability. Please use the Quick Submit process reasonably.

HAZARDOUS MATERIAL FIELD SERVICES — COMPUTER DATABASE UPDATE AUTHORIZATION (5050 Form)

greene request — Fiscal

Quick Submit-Correct minor information without full verification. Update owner name.

*UPDATE INVOICE MAILING CODE: (CIRCLE ONE) O F A

CURRENT INVOICE MAILING CODE: O

O- OWNER INFORMATION — OWNER ID: OW0002476

Legal Owner

*NAME: ~~RELIANT ENERGY ETIWANDA~~ RRI Energy, Inc.

*ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

*CITY: RANCHO CUCAMONGA *STATE: CA *ZIP CODE: 91739-9173 *COUNTRY:

*PHONE: 909-899-7260 EXT: PH FAX:

ALT PHONE: 909-899-7238 EXT: PH FYI LAST UPDATED: 09/23/2003

TAX ID: 76-9555456 DRIVER LICENSE:

OWNER MAILING ADDRESS

Same as Owner

CARE OF: ENVIRONMENTAL + SAFETY COORD. DBA: ~~HOUSTON IND POWER GEN,INC~~ RRI Energy, Inc

ADDRESS1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739-9173 COUNTRY:

F- FACILITY INFORMATION — FACILITY ID: FA0002943

*NAME: ETIWANDA GENERATING STATION

*ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

*CITY: RANCHO CUCAMONGA *STATE: CA *ZIP CODE: 91739 *CITY CODE: RANCHO CUCAMONGA

CENSUS: MILITARY SCHOOL MEDICAL *BUSINESS CODE: CORPORATION *BUSINESS TYPE: OTHER

SIC CODE: Electric Services *SUPERVISORIAL DISTRICT: 002 *INSPECTION DISTRICT: 02

*PHONE: 909-899-7260 EXT: FIRE JURISDICTION: R C FIRE

ALT PHONE: 909-899-7246 EXT: FAX: 909-899-7222 FYI LAST UPDATED: 03/02/2009

FACILITY MAILING ADDRESS

Same as Facility

Same as Owner Mailing Address

BUSINESS NAME: ETIWANDA GENERATING STATION

CARE OF:

ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739 COUNTRY: USA

EMAIL: PLACROIX@~~RELIANT.COM~~ RRIEnergy.com

A- A/R INFORMATION — ACCOUNT ID: AR0002943

Same as Owner Mailing Address

Same as Facility Mailing Address

RESPONSIBLE PARTY: ~~RELIANT ENERGY ETIWANDA~~ RRI Energy, Inc.

CARE OF: ENVIRONMENTAL & SAFETY COORDINATOR

ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739-0000 COUNTRY:

PHONE: EXT: TAX ID: 76-9555456 DRIVER LICENSE:

ALT PHONE: EXT: FYI EXEMPT FROM BILLING: NO FYI LAST UPDATED: 06/05/2009

ALT PHONE: EXT: FYI TOTAL DUE: 0.00

FYI ANNIVERSARY DATE: 07/31/2002 FYI ACCOUNT STATUS: ACTIVE ACCOUNT

Business Code= 01-Corporation, 02-Individual, 03-Partnership, 04-Local Agency/District, 05-County Agency, 06-State Agency, 07-Federal Agency
Business Type=01-Gas Station, 02-Distributor, 03-Farm, 04-Processor, 05-Commercial, 06-Other

The fields that are marked with an asterisk must be completed or the form will be returned to the requestor. The requestor is expected **to complete all fields** on this form to the best of his or her ability. Please use the Quick Submit process reasonably.

PERMIT INFORMATION (CIRCLE THOSE THAT APPLY)

☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT000226 PERMIT NUMBER.	INACTIVE PERMIT STATUS	4703 ORIGINAL P.E.	01/2002 EFFECTIVE DATE	07/31/2003 EXPIRATION DATE
PR0002500 GHP OR UST ID	INACTIVE, NON-BILLABLE CURRENT STATUS(BILLING)	NA GHP FOR UST(PH)	NA CURRENT STATUS FOR UST(PH)		UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002263 PERMIT NUMBER.	ACTIVE PERMIT STATUS	4412 ORIGINAL P.E.	08/01/2008 EFFECTIVE DATE	07/31/2009 EXPIRATION DATE
PR0002501 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	NA GHP FOR UST(PH)	NA CURRENT STATUS FOR UST(PH)		UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002264 PERMIT NUMBER.	ACTIVE PERMIT STATUS	4204 ORIGINAL P.E.	08/01/2008 EFFECTIVE DATE	07/31/2009 EXPIRATION DATE
PR0002502 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	NA GHP FOR UST(PH)	NA CURRENT STATUS FOR UST(PH)		UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0002265 PERMIT NUMBER.	ACTIVE PERMIT STATUS	4002 ORIGINAL P.E.	08/01/2007 EFFECTIVE DATE	07/31/2008 EXPIRATION DATE
PR0002503 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	NA GHP FOR UST(PH)	NA CURRENT STATUS FOR UST(PH)		UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013929 PERMIT NUMBER.	ACTIVE PERMIT STATUS	5102 ORIGINAL P.E.	08/01/2008 EFFECTIVE DATE	07/31/2009 EXPIRATION DATE
PR0012327 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	NA GHP FOR UST(PH)	NA CURRENT STATUS FOR UST(PH)		UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013930 PERMIT NUMBER.	ACTIVE PERMIT STATUS	5103 ORIGINAL P.E.	08/01/2008 EFFECTIVE DATE	07/31/2009 EXPIRATION DATE
PR0012328 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	NA GHP FOR UST(PH)	NA CURRENT STATUS FOR UST(PH)		UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0013931 PERMIT NUMBER.	ACTIVE PERMIT STATUS	4270 ORIGINAL P.E.	08/01/2008 EFFECTIVE DATE	07/31/2009 EXPIRATION DATE
PR0012329 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	NA GHP FOR UST(PH)	NA CURRENT STATUS FOR UST(PH)		UPDATED P.E.
☐ UPDATE ☐ INACTIVATE ☐ ZERO OUT BALANCE	PT0015103 PERMIT NUMBER.	ACTIVE PERMIT STATUS	5111 ORIGINAL P.E.	08/01/2008 EFFECTIVE DATE	07/31/2009 EXPIRATION DATE
PR0013532 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	NA GHP FOR UST(PH)	NA CURRENT STATUS FOR UST(PH)		UPDATED P.E.

ADD NEW P.E.

NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.
NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.

NUMBER OF EMP.: 38 NUMBER OF ACTIVE UST'S 0 MFR #

*Is this an operating facility that does not require permits (keep AR active and add 0202 GHP record)? Yes (No)

*Should this facility be inactivated upon verification that there is no balance due? Yes (No)

*Is this a new owner (a blue book comment is required if Q is yes and there is not a request for demand bill)? Yes (No)

*Does this 5050 have attached documents? (Yes) No 5051

*DATE SUBMITTED: 6-10-08 DATE ENTERED: 6/11/09 FISCAL ENTRY DATE/ INITIAL: 6/11/09 KL

*SUBMITTED BY: KBundage ENTERED BY: [illegible] *Demand bill for updated PEs: Yes (No)

SPECIAL INSTRUCTIONS: Information in this location will not be entered into Envision.

COMMENTS/REMARKS: Only text in this area will be entered as a blue book comment. Please attach and label additional sheets needed for comments.

Submitted 5050. Per letter sent from facility, change owner name to RRI Energy, Inc. This is not an ownership change.

The fields that are marked with an asterisk must be completed or the form will be returned to the requestor. The requestor is expected **to complete all fields** on this form to the best of his or her ability. Please use the Quick Submit process reasonably.

Hazardous Materials Division

Fee Change Authorization Form

☐ RUSH -NEED BY _____ ☒ PRIORITY-NEED BY June 12 ☐ FYI-PLEASE REVIEW ☐ OTHER _____

FACILITY INFORMATION

NAME: **ETIWANDA GENERATING STATION** COMPLETE FACILITY ID: **FA0002943**

ADDRESS: **8996 ETIWANDA AVE**

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739**

PHONE: **909-899-7260** EXT: _____ FAX: _____

ALT PHONE: **909-899-7246** EXT: _____ LOCATION(INSPECTOR DISTRICT): **02**

CONTACT PERSON: _____ CITY CODE: **RANCHO CUCAMONGA** DISTRICT(SUPERVISORIAL DISTRICT): **002**

ANNIVERSARY DATE: **7/31/2002 12:00:00AM** ACCOUNT STATUS: **ACTIVE ACCOUNT**

NUMBER OF EMP. _____ NUMBER OF UST'S **0** MFR # _____

ACTION REQUIRED

☒ REQUEST VERIFICATION ☐ REQUEST FACILITY INSPECTION

☐ INACTIVATE / CLOSED ACCOUNT / O.O.B. ☐ REQUEST TO REVERSE OUTSTANDING INVOICE

COMMENTS: owner name change

(See Attached)

REQUESTED BY: _____ APPROVED BY: Rebekah Matta

PERMIT INFORMATION

PROGRAM ELEMENT _____

PROGRAM ELEMENT _____

PROGRAM ELEMENT _____

PROGRAM ELEMENT _____

PROGRAM ELEMENT _____

RECEIVED

DATE SUBMITTED: 5-28-09 SUBMITTED BY: _____

ADDITIONAL COMMENTS: Submitted 5051 6/10/09 - Update owner name to RRI Energy, Inc. Not an ownership change.

6-8-09

Rpt #: 5051 5/28/2009 FA0002943 Page 1 of 1

FA - 96

P.O. Box 3795
Houston, TX 77253-3795

May 2, 2009

SAN BERNARDINO CTY FIRE DEPT
Reliant Energy Account Executive/Manager
157 W. 5TH ST. 2ND FL
SAN BERNARDINO, CA 92415-0451

Re: Notice of Name Change – Reliant Energy, Inc. to RRI Energy, Inc.

Dear Reliant Energy Account Executive/Manager:

This letter confirms and serves as formal notice that, effective May 2, 2009, Reliant Energy, Inc. changed its company name to "RRI Energy, Inc." A similar name change also went into effect for all subsidiaries of Reliant Energy, Inc. that contained "Reliant" in their names. A schedule is attached that shows the subsidiary's former and new corporate name.

We ask that you note our new corporate names in your address book and notify others in your organization of this change. RRI Energy, Inc. will keep its current ticker symbol on the New York Stock Exchange (RRI). The company's office addresses in Houston, Southpointe, and Las Vegas will remain unchanged. The company's phone numbers in Houston will change at a later date. The company's phone numbers in Southpointe and Las Vegas will remain unchanged. RRI Energy, Inc.'s new website address is www.rrienergy.com. All Reliant.com email addresses will change to RRIEnergy.com effective 5/12.

While these events have resulted in a change of the formal name of our company and various of its subsidiaries, we assure you that all of your other dealings with us will remain unchanged. There has been no change in management, and we will continue to provide and similarly require the same products and services on which we have built our reputation in the industry.

Thank you for being one of our valued Suppliers. We appreciate your cooperation in this matter. If you have any questions, please contact Michael S. Krisfalusi, Director of National Supply Chain at (724) 597 - 8098.

Very truly yours,

Michael S. Krisfalusi

Michael S. Krisfalusi
Director of National Supply Chain

Name Changes

Former Company Name	New Company Name
Conemaugh Fuels, LLC	No Name Change
Keystone Fuels, LLC	No Name Change
Orion Power Atlantic, Inc.	No Name Change
Orion Power Capital, LLC	No Name Change
Orion Power Development Company, Inc.	No Name Change
Orion Power Holdings, Inc.	No Name Change
Orion Power Marketing and Supply, Inc.	No Name Change
Orion Power Midwest GP, Inc.	No Name Change
Orion Power Midwest LP, LLC	No Name Change
Orion Power Midwest, L.P.	No Name Change
Orion Power New York GP, Inc.	No Name Change
Orion Power New York LP, LLC	No Name Change
Orion Power New York, L.P.	No Name Change
Orion Power Operating Services MidWest, Inc.	No Name Change
Orion Power Operating Services, Inc.	No Name Change
PowerTree Carbon Company, LLC	No Name Change
Reliant Energy Asset Management, LLC	RRI Energy Asset Management, LLC
Reliant Energy Broadband, Inc.	RRI Energy Broadband, Inc.
Reliant Energy California Holdings, LLC	RRI Energy California Holdings, LLC
Reliant Energy Communications, Inc.	RRI Energy Communications, Inc.
Reliant Energy Coolwater, Inc.	RRI Energy Coolwater, Inc.
Reliant Energy Corporate Services, LLC	RRI Energy Corporate Services, LLC
Reliant Energy Electric Solutions, LLC	RRI Energy Electric Solutions, LLC
Reliant Energy Ellwood, Inc.	RRI Energy Ellwood, Inc.
Reliant Energy Etiwanda, Inc.	RRI Energy Etiwanda, Inc.
Reliant Energy Florida, LLC	RRI Energy Florida, LLC
Reliant Energy Foundation	RRI Energy Foundation
Reliant Energy Key/Con Fuels, LLC	RRI Energy Key/Con Fuels, LLC
Reliant Energy Mandalay, Inc.	RRI Energy Mandalay, Inc.
Reliant Energy Mid-Atlantic Power Holdings, LLC	RRI Energy Mid-Atlantic Power Holdings, LLC
Reliant Energy Mid-Atlantic Power Services, Inc.	RRI Energy Mid-Atlantic Power Services, Inc.
Reliant Energy Midwest, LLC	RRI Energy Midwest, LLC
Reliant Energy Northeast Generation, Inc.	RRI Energy Northeast Generation, Inc.
Reliant Energy Northeast Holdings, Inc.	RRI Energy Northeast Holdings, Inc.
Reliant Energy Northeast Management Company	RRI Energy Northeast Management Company
Reliant Energy Ormond Beach, Inc.	RRI Energy Ormond Beach, Inc.
Reliant Energy Power Generation, Inc.	RRI Energy Power Generation, Inc.
Reliant Energy Services, Inc.	RRI Energy Services, Inc.
Reliant Energy Solutions East, LLC	RRI Energy Solutions East, LLC
Reliant Energy Solutions Northeast, LLC	RRI Energy Solutions Northeast, LLC
Reliant Energy Wholesale Generation, LLC	RRI Energy Wholesale Generation, LLC
Reliant Energy, Inc.	RRI Energy, Inc.

RCD SDID FIRE FISCAL

09 JUN 12 AM 9:11

FAC002943

RRI Energy

Las Vegas Office
7251 Amigo Street, Suite #120
Las Vegas, NV 89119
Phone: (702) 407-4800
Fax: (702) 407-4852

Office of the Fire Marshall
San Bernardino County Fire Department
620 South E Street
San Bernardino, CA 92415-0179

Re: Permits PT-0013929, PT-0013930, PT-0013931, PT-0002263, PT-0002264, PT-0002265, FA0002943

Office of the Fire Marshall:

This letter is to inform you that on May 2, 2009 Reliant Energy, Inc. changed its name to RRI Energy, Inc. In connection with the change, the wholly-owned subsidiary and holder of the referenced permits and registrations, Reliant Energy Etiwanda, Inc. changed its name to RRI Energy Etiwanda, Inc. Documentation evidencing the name change is enclosed.

The ownership and operation of the Etiwanda Generating Station remains unchanged. Additional information about the name change can be found at www.rrienergy.com. If there are any questions, please call me at (702) 407-4884 or Mr. Paul Lacroix at the Etiwanda Generating Station at (909) 899-7290.

Sincerely,

Robert W. Lawhn

Robert W. Lawhn
Director – Environmental Compliance

Enclosure

Cc: Paul Lacroix

RECEIVED
MAY 22 2009
S.B. CO. FIRE DEPT.

Delaware

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF OWNERSHIP, WHICH MERGES:

"RELIANT ENERGY NEWCO, INC.", A DELAWARE CORPORATION,

WITH AND INTO "RELIANT ENERGY, INC." UNDER THE NAME OF "RRI ENERGY, INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE FIRST DAY OF MAY, A.D. 2009, AT 7:47 O'CLOCK A.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF OWNERSHIP IS THE SECOND DAY OF MAY, A.D. 2009, AT 12:01 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



Jeffrey W. Bullock, Secretary of State

3271860 8100M

090417773

AUTHENTICATION: 7276584

DATE: 05-01-09

You may verify this certificate online at corp.delaware.gov/authver.shtml

State of Delaware
Secretary of State
Division of Corporations
Delivered 07:47 AM 05/01/2009
FILED 07:47 AM 05/01/2009
SRV 090417773 - 3271860 FILE

STATE OF DELAWARE
CERTIFICATE OF OWNERSHIP AND MERGER
SUBSIDIARY INTO PARENT

Certificate of Ownership
MERGING
Reliant Energy Newco, Inc.
(a Delaware corporation)
into
Reliant Energy, Inc.
(a Delaware corporation)

PURSUANT TO SECTION 253 OF THE GENERAL CORPORATION LAW OF DELAWARE ("DGCL"), Reliant Energy, Inc., a corporation incorporated on August 9, 2000 pursuant to the provisions of the DGCL ("Parent"), DOES HEREBY CERTIFY:

1. Parent owns 100% of the capital stock of Reliant Energy Newco, Inc., a corporation incorporated on April 17, 2009, pursuant to the provisions of the DGCL ("Subsidiary").

2. By resolution ("Resolution of Merger") of the Board of Directors of Parent duly adopted at a meeting held on April 22, 2009, Parent determined to (i) merge the Subsidiary with and into the Parent and (ii), effective upon the merger, change the corporate name of the Parent to RRI Energy, Inc. A certified copy of the Resolution of Merger is attached to, and incorporated into, this Certificate of Ownership and Merger as Exhibit A.

3. At the Effective Time (as defined below), by virtue of the merger and without any action on the part of Parent, each issued and outstanding share of Subsidiary shall be cancelled and retired.

4. Pursuant to Section 103(d) of the DGCL, the effective time of the Certificate of Ownership and Merger, and the time when the merger therein provided for, shall become effective shall be 12:01 AM (Eastern Time) on May 2, 2009 (the "Effective Time").

IN WITNESS WHEREOF, this Certificate of Ownership and Merger is hereby executed on behalf of Reliant Energy, Inc. as of April 30, 2009.

Reliant Energy, Inc.

Michael L. Jines, Senior Vice President, General Counsel and Corporate Secretary

Exhibit A

RELIANT ENERGY, INC.

Assistant Secretary's Certificate

The undersigned certifies that she is the duly qualified, appointed and acting Assistant Secretary of Reliant Energy, Inc., a Delaware corporation; and

She further certifies that at a meeting of the Board of Directors, dated April 22, 2009, the following resolutions were adopted and that such resolutions have not since been amended or rescinded and are in full force and effect as of the date hereof:

WHEREAS, Reliant Energy, Inc., a Delaware corporation (the "Company"), has entered into a LLC Membership Purchase Agreement by and between the Company and a subsidiary of NRG Energy, Inc. dated as of February 28, 2009 (the "Purchase Agreement"); and

WHEREAS, the Company has agreed to change its corporate name within three business days after the closing of transactions contemplated by the Purchase Agreement; and

WHEREAS, subject to the closing of transactions contemplated by the Purchase Agreement, the Company desires to change the name of the Company from "Reliant Energy, Inc." to "RRI Energy, Inc."; and

WHEREAS, in accordance with Section 253(a) and (b) of the Delaware General Corporation Law, the Company may effect such name change by merging its wholly-owned subsidiary, Reliant Energy Newco, Inc., a Delaware corporation, with and into the Company (the "Merger") and changing the surviving company's name to "RRI Energy, Inc." (the "Name Change"); and

WHEREAS, the Company shall be the surviving company in the Merger; and

WHEREAS, the Board of Directors of the Company has determined that it would be in the best interest of the Company and its stockholders to effect the Merger and the Name Change;

NOW, THEREFORE, BE IT RESOLVED, that, subject to the closing of transactions contemplated by the Purchase Agreement, the Board hereby authorizes the Merger, agrees to assume the liabilities and obligations of Reliant Energy Newco, Inc. following the Merger and authorizes the Name Change; and further

RESOLVED, that, subject to the closing of transactions contemplated by the Purchase Agreement, the Board hereby approves amendments to and a restatement of the Company Bylaws in substantially the form attached hereto as Exhibit A, to reflect the Name Change; and further

Exhibit A

RESOLVED, that, subject to the closing of the transactions contemplated by the Purchase Agreement, the Board hereby approves and authorizes amendment of the employee benefit plans and arrangements set forth on Exhibit B hereto and any other employee benefit plans and arrangements sponsored by the Company (the "Plans"), to reflect the Name Change throughout all documents relating to such Plans;

RESOLVED, that the officers of the Company be, and each of them individually hereby is, authorized and empowered, in the name and on behalf of the Company to (i) take or cause to be taken any and all such further actions and to prepare, execute and deliver or cause to be prepared, executed and delivered, and where necessary or appropriate, file or cause to be filed with the appropriate governmental authorities, all such other instruments and documents, including but not limited to all certificates, consents, contracts, bonds, agreements, documents, instruments, receipts or other papers, and any amendments, extensions, supplements or modifications thereto to effectuate the foregoing resolutions, (ii) incur and pay or cause to be paid all fees and expenses and (iii) engage such persons as each such officer shall in his judgment determine to be necessary or appropriate to carry out fully the intent and purposes of the foregoing resolutions and each of the transactions contemplated thereby; and further

RESOLVED, that, to the extent necessary, the appropriate officers of the Company be and they hereby are authorized to submit the Plans as amended pursuant to the foregoing resolutions (or supplement any current submission), together with such supporting information and other documents as they may deem necessary or desirable, to the appropriate District Director of Internal Revenue for his consideration and the issuance in respect thereof of favorable determination letters, and in connection therewith to make such amendments or changes to the Plans, or to such supporting information and documents, and to take such other and further action as such officers may determine to be necessary or desirable to secure such approval and such favorable determination letters regarding the initial or continued qualified status of the Plans under Sections 401(a) and 501(a) of the Code and to take, or cause to be taken, any other actions they deem necessary or appropriate in connection with the foregoing resolutions; and further

RESOLVED, that the Corporate Secretary and any Assistant Corporate Secretary of the Company are each hereby authorized to certify and attest any documents which he or she may deem necessary or appropriate to consummate the transactions contemplated by the documents heretofore authorized and approved, provided that such attestation shall not be required for the due authorization, execution and delivery or validity of the particular document; and further

RESOLVED, that the foregoing powers and authorizations shall continue in full force and effect until revoked in writing by the Company; and further

RESOLVED, that all actions previously taken by any officer or director of the Company in connection with the transactions contemplated by the foregoing resolutions are hereby adopted, ratified, confirmed and approve in all respects.

Exhibit A

I FURTHER CERTIFY that the foregoing resolutions have not been altered, modified, revoked or rescinded, and that the same remain in full force and effect on the date hereof.

IN WITNESS WHEREOF, I have executed this certificate as of April 22, 2009.

Allison B. Cunningham
Assistant Secretary

HAZA OUS MATERIAL FIELD SERVIC
COMPUTER DATABASE UPDATE AUTH IZATION

Update PE - File only

UPDATE INVOICE MAILING CODE: (CIRCLE ONE) O F A

CURRENT INVOICE MAILING CODE: O

O- OWNER INFORMATION

OWNER ID: OW0002476

NAME: RELIANT ENERGY ETIWANDA

ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739-9173 COUNTRY:

PHONE: 909-899-7260 EXT: PH FAX:

ALT PHONE: 909-899-7238 EXT: PH DRIVER LICENSE:

TAX ID: 76-9555456 LAST UPDATED: 09/23/2003

OWNER MAILING ADDRESS

CARE OF: ENVIRONMENTAL + SAFETY COORD. DBA: HOUSTON IND POWER GEN,INC

ADDRESS1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739-9173 COUNTRY:

F- FACILITY INFORMATION

FACILITY ID: FA0002943

NAME: ETIWANDA GENERATING STATION

ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739 CITY CODE: RANCHO CUCAMONGA

SIC CODE: Electric Services BUSINESS CODE: CORPORATION BUSINESS TYPE: OTHER

CENSUS: SUPERVISORIAL DISTRICT: 002 INSPECTION DISTRICT: 02

PHONE: 909-899-7260 EXT: FIRE JURISDICTION: R C FIRE

ALT PHONE: 909-899-7246 EXT: FAX: 909-899-7222 LAST UPDATED: 06/16/2008

FACILITY MAILING ADDRESS

BUSINESS NAME: ETIWANDA GENERATING STATION

CARE OF:

ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739 COUNTRY:

EMAIL: PLACROIX@RELIANT.COM

A- A/R INFORMATION

ACCOUNT ID: AR0002943

RESPONSIBLE PARTY: RELIANT ENERGY ETIWANDA

CARE OF: ENVIRONMENTAL & SAFETY COORDINATOR

ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739-0000 COUNTRY:

PHONE: EXT: DRIVER LICENSE:

ALT PHONE: EXT: LAST UPDATED: 08/05/2008

ALT PHONE: EXT: EXEMPT FROM BILLING: NO TAX ID: 76-9555456

ANNIVERSARY DATE: 07/31/2002 TOTAL DUE: 0.00 ACCOUNT STATUS: ACTIVE ACCOUNT

PERMIT INFORMATION (CIRCLE THOSE THAT APPLY)

UPDATE/CLOSE/Z.O.B.	PT000226 PERMIT NUMBER.	INACTIVE PERMIT STATUS	4703 ORIGINAL P.E.	1/01/2002 EFFECTIVE DATE	07/31/2003 EXPIRATION DATE	
PR0002500 GHP OR UST ID	INACTIVE, NON-BILLABLE CURRENT STATUS(BILLING)	NA GHP FOR UST(PH)	NA CURRENT STATUS FOR UST(PH)		UPDATED P.E.	
UPDATE/CLOSE/Z.O.B.	PT0002263 PERMIT NUMBER.	ACTIVE PERMIT STATUS	4412 ORIGINAL P.E.	08/01/2008 EFFECTIVE DATE	07/31/2009 EXPIRATION DATE	
PR0002501 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	NA GHP FOR UST(PH)	NA CURRENT STATUS FOR UST(PH)		UPDATED P.E.	
UPDATE/CLOSE/Z.O.B.	PT0002264 PERMIT NUMBER.	ACTIVE PERMIT STATUS	4204 ORIGINAL P.E.	08/01/2008 EFFECTIVE DATE	07/31/2009 EXPIRATION DATE	
PR0002502 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	NA GHP FOR UST(PH)	NA CURRENT STATUS FOR UST(PH)		UPDATED P.E.	
UPDATE/CLOSE/Z.O.B.	PT0002265 PERMIT NUMBER.	ACTIVE PERMIT STATUS	4002 ORIGINAL P.E.	08/01/2007 EFFECTIVE DATE	07/31/2008 EXPIRATION DATE	
PR0002503 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	NA GHP FOR UST(PH)	NA CURRENT STATUS FOR UST(PH)		UPDATED P.E.	
UPDATE/CLOSE/Z.O.B.	PT0013929 PERMIT NUMBER.	ACTIVE PERMIT STATUS	5102 ORIGINAL P.E.	08/01/2008 EFFECTIVE DATE	07/31/2009 EXPIRATION DATE	
PR0012327 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	NA GHP FOR UST(PH)	NA CURRENT STATUS FOR UST(PH)		UPDATED P.E.	
UPDATE/CLOSE/Z.O.B.	PT0013930 PERMIT NUMBER.	INACTIVE PERMIT STATUS	5103 ORIGINAL P.E.	08/01/2008 EFFECTIVE DATE	07/31/2009 EXPIRATION DATE	
PR0012328 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	NA GHP FOR UST(PH)	NA CURRENT STATUS FOR UST(PH)		UPDATED P.E.	
UPDATE/CLOSE/Z.O.B.	PT0013931 PERMIT NUMBER.	ACTIVE PERMIT STATUS	4270 ORIGINAL P.E.	08/01/2008 EFFECTIVE DATE	07/31/2009 EXPIRATION DATE	
PR0012329 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	NA GHP FOR UST(PH)	NA CURRENT STATUS FOR UST(PH)		UPDATED P.E.	
UPDATE/CLOSE/Z.O.B.	PT0015103 PERMIT NUMBER.	ACTIVE PERMIT STATUS	5111 ORIGINAL P.E.	08/01/2008 EFFECTIVE DATE	07/31/2009 EXPIRATION DATE	
PR0013532 GHP OR UST ID	ACTIVE, BILLABLE CURRENT STATUS(BILLING)	NA GHP FOR UST(PH)	NA CURRENT STATUS FOR UST(PH)		UPDATED P.E.	

ADD NEW P.E.

NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.
NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.

NUMBER OF EMP. _____ NUMBER OF ACTIVE UST'S 0 MFR # _____

DATE SUBMITTED: 8/22/08 DATE ENTERED: 8/22/08 FISCAL DATE: _____

SUBMITTED BY: S. Mitchell ENTERED BY: _____ Demand bill for updated PEs: Yes No

COMMENTS/REMARKS:

CW

* Per File Review by K. Riegel on 08/15/08, Change PE 5103 Permit Status from InActive to Active.

~~* A Demand Bill~~

* QC PermitCheck Report 6525.

Stephanie Mitchell

HA[redacted]OUS MATERIAL FIELD SER[redacted]
COMPUTER DATABASE UPDATE AUTHORIZATION

Paid

UPDATE INVOICE MAILING CODE: (CIRCLE ONE) O F A

CURRENT INVOICE MAILING CODE: O

O- OWNER INFORMATION

OWNER ID: OW0002476

NAME: RELIANT ENERGY ETIWANDA

ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739-9173 COUNTRY:

PHONE: 909-899-7260 EXT: PH FAX:

ALT PHONE: 909-899-7238 EXT: PH DRIVER LICENSE:

TAX ID: 76-9555456 OWNER SWITCH DATE: LAST UPDATED: 09/23/2003

OWNER MAILING ADDRESS

CARE OF: ENVIRONMENTAL + SAFETY COORD. DBA: HOUSTON IND POWER GEN,INC

ADDRESS1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739 COUNTRY:

F- FACILITY INFORMATION

FACILITY ID: FA0002943

NAME: ETIWANDA GENERATING STATION

ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739-0000 CITY CODE: RANCHO CUCAMONGA

SIC CODE: Electric Services BUSINESS CODE: CORPORATION BUSINESS TYPE: OTHER

CENSUS: SUPERVISORIAL DISTRICT: 002 INSPECTION DISTRICT: 02

PHONE: 909-899-7260 EXT: FIRE JURISDICTION: R C FIRE

ALT PHONE: 909-899-7246 EXT: FAX: 909-899-7222 LAST UPDATED: 03/01/2006

FACILITY MAILING ADDRESS

BUSINESS NAME: ETIWANDA GENERATING STATION

CARE OF:

ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739-0000 COUNTRY:

EMAIL: PLACROIX@RELIANT.COM

A- A/R INFORMATION

ACCOUNT ID: AR0002943

RESPONSIBLE PARTY: RELIANT ENERGY ETIWANDA

CARE OF: ENVIRONMENTAL & SAFETY COORDINATOR

ADDRESS 1: 8996 ETIWANDA AVE ADDRESS 2:

CITY: RANCHO CUCAMONGA STATE: CA ZIP CODE: 91739-0000 COUNTRY:

PHONE: EXT: DRIVER LICENSE:

ALT PHONE: EXT: LAST UPDATED: 06/16/2006

ALT PHONE: EXT: TAX ID: 76-9555456

ANNIVERSARY DATE: 07/31/2002 TOTAL DUE: 1,744.00 ACCOUNT STATUS: ACTIVE ACCOUNT

PERMIT INFORMATION (CIRCLE THOSE THAT APPLY)

UPDATE/CLOSE/Z.O.B.	PT000[redacted]	INACTIVE	4703	[redacted]/01/2002	07/31/2003
	PERMIT NUMBER.	PERMIT STATUS	ORIGINAL P.E.	EFFECTIVE DATE	EXPIRATION DATE
PR0002500	INACTIVE, NON-BILLABLE	NA	NA		
GHP OR UST ID	CURRENT STATUS(BILLING)	GHP FOR UST(PH)	CURRENT STATUS FOR UST(PH)		UPDATED P.E.
UPDATE/CLOSE/Z.O.B.	PT0002263	ACTIVE	4412	08/01/2005	07/31/2006
	PERMIT NUMBER.	PERMIT STATUS	ORIGINAL P.E.	EFFECTIVE DATE	EXPIRATION DATE
PR0002501	ACTIVE, BILLABLE	NA	NA		
GHP OR UST ID	CURRENT STATUS(BILLING)	GHP FOR UST(PH)	CURRENT STATUS FOR UST(PH)		UPDATED P.E.
UPDATE/CLOSE/Z.O.B.	PT0002264	ACTIVE	4204	08/01/2005	07/31/2006
	PERMIT NUMBER.	PERMIT STATUS	ORIGINAL P.E.	EFFECTIVE DATE	EXPIRATION DATE
PR0002502	ACTIVE, BILLABLE	NA	NA		
GHP OR UST ID	CURRENT STATUS(BILLING)	GHP FOR UST(PH)	CURRENT STATUS FOR UST(PH)		UPDATED P.E.
UPDATE/CLOSE/Z.O.B.	PT0002265	ACTIVE	4002	08/01/2005	07/31/2006
	PERMIT NUMBER.	PERMIT STATUS	ORIGINAL P.E.	EFFECTIVE DATE	EXPIRATION DATE
PR0002503	ACTIVE, BILLABLE	NA	NA		
GHP OR UST ID	CURRENT STATUS(BILLING)	GHP FOR UST(PH)	CURRENT STATUS FOR UST(PH)		UPDATED P.E.
UPDATE/CLOSE/Z.O.B.	PT0013929	ACTIVE	5102	08/01/2005	07/31/2006
	PERMIT NUMBER.	PERMIT STATUS	ORIGINAL P.E.	EFFECTIVE DATE	EXPIRATION DATE
PR0012327	ACTIVE, BILLABLE	NA	NA		
GHP OR UST ID	CURRENT STATUS(BILLING)	GHP FOR UST(PH)	CURRENT STATUS FOR UST(PH)		UPDATED P.E.
UPDATE/CLOSE/Z.O.B.	PT0013930	INACTIVE	5103	08/01/2005	07/31/2006
	PERMIT NUMBER.	PERMIT STATUS	ORIGINAL P.E.	EFFECTIVE DATE	EXPIRATION DATE
PR0012328	ACTIVE, BILLABLE	NA	NA		
GHP OR UST ID	CURRENT STATUS(BILLING)	GHP FOR UST(PH)	CURRENT STATUS FOR UST(PH)		UPDATED P.E.
UPDATE/CLOSE/Z.O.B.	PT0013931	ACTIVE	4270	08/01/2005	07/31/2006
	PERMIT NUMBER.	PERMIT STATUS	ORIGINAL P.E.	EFFECTIVE DATE	EXPIRATION DATE
PR0012329	ACTIVE, BILLABLE	NA	NA		
GHP OR UST ID	CURRENT STATUS(BILLING)	GHP FOR UST(PH)	CURRENT STATUS FOR UST(PH)		UPDATED P.E.
UPDATE/CLOSE/Z.O.B.	PT0015103	ACTIVE	5111	08/01/2004	07/31/2005
	PERMIT NUMBER.	PERMIT STATUS	ORIGINAL P.E.	EFFECTIVE DATE	EXPIRATION DATE
PR0013532	~~INACTIVE, NON-BILLABLE~~ Active, Billable	NA	NA		
GHP OR UST ID	CURRENT STATUS(BILLING)	GHP FOR UST(PH)	CURRENT STATUS FOR UST(PH)		UPDATED P.E.

ADD NEW P.E.

NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.
NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.

NUMBER OF EMP. _____ NUMBER OF UST'S 0 MFR # _____

DATE SUBMITTED: 7/12/06 DATE ENTERED: _____ FISCAL DATE: _____

SUBMITTED BY: K. Riegel ENTERED BY: _____

COMMENTS/REMARKS:

Per review of Envision of 7/11/06, pls:

- Update PE 5111 from inactive, non-billable to active, billable. (on permit screen) PE inactivated in error.

- Re-issue invoice to include this PE.

H. ..RDOUS MATERIAL FIELD SEF ..CES
COMPUTER DATABASE UPDATE AUTHORIZATION

RCD. SBD FIRE FISCAL

UPDATE INVOICE MAILING CODE: (CIRCLE ONE) O F A

04 SEP -9 PM 2:22

CURRENT INVOICE MAILING CODE: O

O- OWNER INFORMATION

OWNER ID: OW0002476

NAME: **RELIANT ENERGY ETIWANDA**

ADDRESS 1: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739-9173** COUNTRY:

PHONE: **909-899-7260** EXT: **PH** FAX:

ALT PHONE: **909-899-7238** EXT: **PH** DRIVER LICENSE:

TAX ID: **76-9555456** OWNER SWITCH DATE: LAST UPDATED: **9/23/2003**

OWNER MAILING ADDRESS

CARE OF: **ENVIRONMENTAL + SAFETY COORD.** DBA: **HOUSTON IND POWER GEN,INC**

ADDRESS1: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739** COUNTRY:

F- FACILITY INFORMATION

FACILITY ID: FA0002943

NAME: **ETIWANDA GENERATING STATION**

ADDRESS 1: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739-0000** CITY CODE: **RANCHO CUCAMONGA**

SIC CODE: BUSINESS CODE: 1 BUSINESS TYPE: b

CENSUS: N/A SUPERVISORIAL DISTRICT: **002** INSPECTION DISTRICT: **02**

PHONE: **909-899-7260** EXT: FIRE JURISDICTION: Rancho Cucamonga

ALT PHONE: **909-899-7238** EXT: FAX: LAST UPDATED: **8/31/2004**

FACILITY MAILING ADDRESS

BUSINESS NAME: **ETIWANDA GENERATING STATION**

CARE OF: ~~**KIMBERLY BROWN**~~

ADDRESS 1: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739-0000** COUNTRY:

EMAIL:

PAID
DATE: 9/23/04
CK#: 1002556

A- A/R INFORMATION

ACCOUNT ID: AR0002943

RESPONSIBLE PARTY: **RELIANT ENERGY ETIWANDA**

CARE OF: **ENVIRONMENTAL & SAFETY COORDINATOR**

ADDRESS 1: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739-0000** COUNTRY:

PHONE: EXT: DRIVER LICENSE:

ALT PHONE: EXT: LAST UPDATED: **8/5/2004**

ALT PHONE: EXT: TAX ID: **76-9555456**

ANNIVERSARY DATE: **7/31/2002** TOTAL DUE: **0.00** ACCOUNT STATUS: **ACTIVE ACCOUNT**

PERMIT INFORMATION (CIRCLE THOSE THAT APPLY)

UPDATE/CLOSE/Z.O.B.	PT00 2	INACTIVE	4703	8/1/2002	7/31/2003	
	PERMIT NUMBER.	PERMIT STATUS	ORIGINAL P.E.	EFFECTIVE DATE	EXPIRATION DATE	
PR0002500	INACTIVE, NON-BILLABLE	NA	NA			
GHP OR UST ID	CURRENT STATUS(BILLING)	GHP FOR UST(PH)	CURRENT STATUS FOR UST(PH)			UPDATED P.E.
UPDATE/CLOSE/Z.O.B.	PT0002263	ACTIVE	4412	8/1/2004	7/31/2005	
	PERMIT NUMBER.	PERMIT STATUS	ORIGINAL P.E.	EFFECTIVE DATE	EXPIRATION DATE	
PR0002501	ACTIVE, BILLABLE	NA	NA			
GHP OR UST ID	CURRENT STATUS(BILLING)	GHP FOR UST(PH)	CURRENT STATUS FOR UST(PH)			UPDATED P.E.
UPDATE/CLOSE/Z.O.B.	PT0002264	ACTIVE	4204	8/1/2004	7/31/2005	
	PERMIT NUMBER.	PERMIT STATUS	ORIGINAL P.E.	EFFECTIVE DATE	EXPIRATION DATE	
PR0002502	ACTIVE, BILLABLE	NA	NA			
GHP OR UST ID	CURRENT STATUS(BILLING)	GHP FOR UST(PH)	CURRENT STATUS FOR UST(PH)			UPDATED P.E.
UPDATE/CLOSE/Z.O.B.	PT0002265	ACTIVE	4002	8/1/2004	7/31/2005	
	PERMIT NUMBER.	PERMIT STATUS	ORIGINAL P.E.	EFFECTIVE DATE	EXPIRATION DATE	
PR0002503	ACTIVE, BILLABLE	NA	NA			
GHP OR UST ID	CURRENT STATUS(BILLING)	GHP FOR UST(PH)	CURRENT STATUS FOR UST(PH)			UPDATED P.E.
UPDATE/CLOSE/Z.O.B.	PT0013929	ACTIVE	5102	8/1/2004	7/31/2005	
	PERMIT NUMBER.	PERMIT STATUS	ORIGINAL P.E.	EFFECTIVE DATE	EXPIRATION DATE	
PR0012327	ACTIVE, BILLABLE	NA	NA			
GHP OR UST ID	CURRENT STATUS(BILLING)	GHP FOR UST(PH)	CURRENT STATUS FOR UST(PH)			UPDATED P.E.
UPDATE/CLOSE/Z.O.B.	PT0013930	INACTIVE	5103	8/1/2004	7/31/2005	
	PERMIT NUMBER.	PERMIT STATUS	ORIGINAL P.E.	EFFECTIVE DATE	EXPIRATION DATE	
PR0012328	ACTIVE, BILLABLE	NA	NA			
GHP OR UST ID	CURRENT STATUS(BILLING)	GHP FOR UST(PH)	CURRENT STATUS FOR UST(PH)			UPDATED P.E.
UPDATE/CLOSE/Z.O.B.	PT0013931	ACTIVE	4270	8/1/2004	7/31/2005	
	PERMIT NUMBER.	PERMIT STATUS	ORIGINAL P.E.	EFFECTIVE DATE	EXPIRATION DATE	
PR0012329	ACTIVE, BILLABLE	NA	NA			
GHP OR UST ID	CURRENT STATUS(BILLING)	GHP FOR UST(PH)	CURRENT STATUS FOR UST(PH)			UPDATED P.E.

ADD NEW P.E. 5111

NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.
NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.	NEW P.E.

NUMBER OF EMP. _____ NUMBER OF UST'S 0 MFR # _____

DATE SUBMITTED: 9/1/04 DATE ENTERED: _____ FISCAL DATE: _____

SUBMITTED BY: K. Riegel ENTERED BY: _____

COMMENTS/REMARKS:

Per RMP submitted 8/31/04, pls update

- All red into
- Add PE 5111
- Demand Bill

HAZ OUS MATERIAL FIELD SERVI
COM ER DATABASE UPDATE AUTHORIZATION

#7219

UPDATE INVOICE MAILING CODE: (CIRCLE ONE) O F A

CURRENT INVOICE MAILING CODE: O

O- OWNER INFORMATION

OWNER ID: OW0002476

NAME: **RELIANT ENERGY ETIWANDA**

ADDRESS 1: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739-9173** COUNTRY:

PHONE: EXT: FAX:

ALT PHONE: EXT: DRIVER LICENSE:

TAX ID: 76-9555-456 OWNER SWITCH DATE: LAST UPDATED: **7/24/2002**

OWNER MAILING ADDRESS

CARE OF: **KIMBERLY BROWN** DBA: **HOUSTON IND POWER GEN,INC**

ADDRESS1: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739** COUNTRY:

F- FACILITY INFORMATION

FACILITY ID: FA0002943

NAME: **ETIWANDA GENERATING STATION**

ADDRESS 1: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739-0000**

SIC CODE: BUSINESS CODE: BUSINESS TYPE:

CENSUS: SUPERVISORIAL DISTRICT: **002** INSPECTION DISTRICT: **02**

PHONE: (909) 899-7260 EXT: FIRE JURISDICTION:

ALT PHONE: (909) 899-7238 EXT: FAX: LAST UPDATED: **8/26/2003**

FACILITY MAILING ADDRESS

BUSINESS NAME: **ETIWANDA GENERATING STATION**

CARE OF: ~~**KIMBERLY BROWN**~~ Environmental + Safety Coordinator

ADDRESS 1: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739-0000** COUNTRY:

EMAIL:

A- A/R INFORMATION

ACCOUNT ID: AR0002943

RESPONSIBLE PARTY: **RELIANT ENERGY ETIWANDA**

CARE OF: ~~**KIMBERLY BROWN**~~ Environmental + Safety Coordinator

ADDRESS 1: **8996 ETIWANDA AVE** ADDRESS 2:

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739-0000** COUNTRY:

PHONE: EXT: DRIVER LICENSE:

ALT PHONE: EXT: LAST UPDATED: **8/7/2003**

ALT PHONE: EXT: ANNIVERSARY DATE: **7/31/2002**

TAX ID:

David 10/8/03

PERMIT INFORMATION (CIRCLE THOSE THAT APPLY)

UPDATE/CLOSE/Z.O.B.	PT00022 PERMIT NUMBER.	PR0002500 PROGRAM RECORD	4703 ORIGINAL P.E.	INA STATUS	7/31/2003 EXPIRATION DATE	UPDATED P.E.
UPDATE/CLOSE/Z.O.B.	PT0002263 PERMIT NUMBER.	PR0002501 PROGRAM RECORD	4413 ORIGINAL P.E.	ACTIVE STATUS	7/31/2004 EXPIRATION DATE	4412 UPDATED P.E.
UPDATE/CLOSE/Z.O.B.	PT0002264 PERMIT NUMBER.	PR0002502 PROGRAM RECORD	4205 ORIGINAL P.E.	ACTIVE STATUS	7/31/2004 EXPIRATION DATE	4204 UPDATED P.E.
UPDATE/CLOSE/Z.O.B.	PT0002265 PERMIT NUMBER.	PR0002503 PROGRAM RECORD	4002 ORIGINAL P.E.	ACTIVE STATUS	7/31/2004 EXPIRATION DATE	UPDATED P.E.
ADD NEW P.E.	5102 NEW P.E.	5103 NEW P.E.	4270 NEW P.E.	NEW P.E.		NEW P.E.

1,184 - 367 -

NUMBER OF EMP. 45 NUMBER OF UST'S 0 MFR #

DATE SUBMITTED: 8/29/03 DATE ENTERED: 9/17/03 FISCAL DATE:

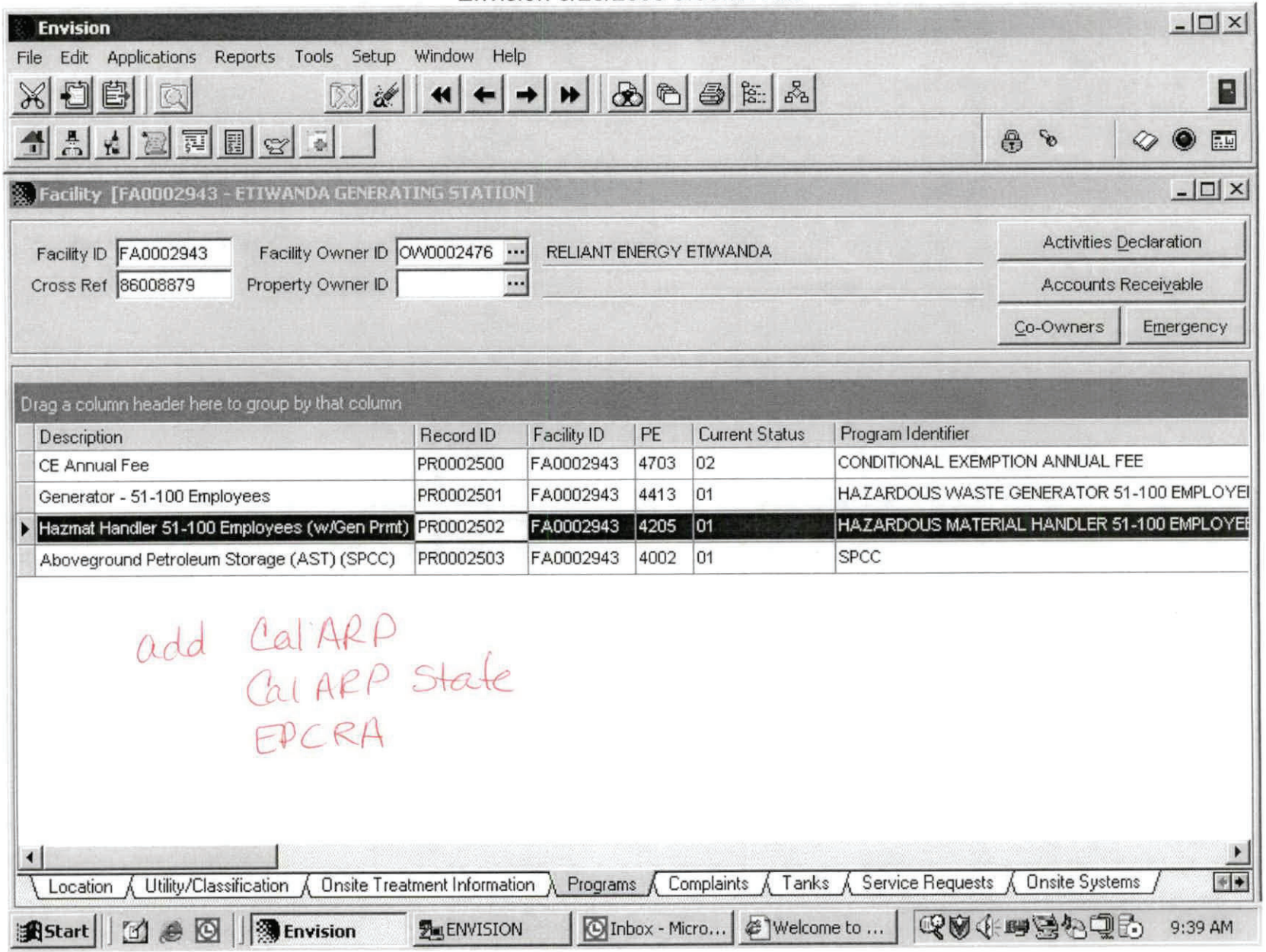
SUBMITTED BY: K Brundage ENTERED BY: L. Yara-Davis

COMMENTS/REMARKS:

Please update existing handler/generator permits to reflect employee #.
Add EPCRA + CalARP permits -

Thank You
Kathleen

Envision 8/28/2003 9:39:32 AM



SAN BERNARDINO COUNTY FIRE DEPARTMENT
SPECIAL DISTRICTS

RECEIPT # 3164

DIVISION Hazardous Materials DATE 10.28.08

RECEIVED FROM Box Enterprises $ 421.00

Four hundred twenty-one & no/100 DOLLARS

ESTABLISHMENT / ACCOUNTS / CONTRACT # FA0002943

DESCRIPTION	FUND-DEPT-ORG-REVENUE	GRC#	AMOUNT
5105	RMP Screening		421.00
	Etiwanda Generating Stn		
	8996 Etiwanda Ave		
	Rancho Cucamonga		
	Inv # 3766		
GRAND TOTAL			$421.00

PAYMENT TYPE Check , CHECK # 5520

(SIGNATURE) Kristen Riegel TITLE LIEII BOOK # 104

01-20802-670 Rev. 4/01

SAN BERNARDINO COUNTY FIRE DEPARTMENT
COUNTY OF SAN BERNARDINO, CALIFORNIA

ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
EST - 86008879 PERMIT - 9805275537

THIS PERMIT EXPIRES:
07/31/2002

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS WASTE GENERATOR 51-100 EMPLOYEES

FEE PAID $1,128.00

HOUSTON IND POWER GEN,INC
DBA: ETIWANDA GENERATING STA
8995 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

NBR EMPLS - 86

Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

FILE COPY

Please make your check payable to:
San Bernardino County Fire Department
Send to:
157 W. Fifth Street
Second Floor
San Bernardino, CA 92415
(909) 387-9603

Facility Address
ETIWANDA GENERATING STATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 917390000

Invoice ID	Facility ID
IN0003766	FA0002943

INVOICE

HAZARDOUS MATERIALS
CUPA PERMTIS

TO : RELIANT ENERGY ETIWANDA
KIMBERLY BROWN
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-9173
ATTN : KIMBERLY BROWN

Total Account Balance
$ 0.00

Total Due for Invoice
$ 0.00

Total Paid

Upon receipt of full payment of the balance due as shown on this invoice, you will receive your new annual permit with an effective date of: 8/1/02 to 7/31/03

PLEASE RETURN TOP PORTION WITH PAYMENT

Date	Program/ Element	Description	Permit Exp Date	Amount
10/30/02	5105	CalARP Screening and Registration	7/31/2002	$ 421.00
10/30/02	9600	PAYMENT RECEIVED - MISCELLANEOUS CHARG	7/31/2002	$ -421.00
			Total Due for Invoice:	$ 0.00

1-30 Days	31-60 Days	61-90 Days	91-120 Days	121+ Plus	Total Account Bal
$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00	$ 0.00

Permits are <u>not</u> transferable, you must contact this office for new permits.
If you have any questions regarding this bill, call (909) 387-9603.

...AZARDOUS MATERIAL FIELD SERVICES

COMPUTER DATA BASE UPDATE AUTHORIZATION

Change: ☐ Inactivate facility ☐ Inactivate Permit(s) ☑

Mailing Code: *(circle one)* O F A

O- Owner Information Owner ID OW00024 76

Name: RELIANT ENERGY

Street No: _____ Frac. _____ Dir _____ Street Name _____ Ste/Unit: _____

City: _____ State: _____ Zip Code: _____

Phone: ( ) _____ Ext: _____ Fax: ( ) _____

Alt Phone: ( ) _____ Ext: _____ Drivers Lic: _____

Tax ID: _____ Soc Sec: _____

F- Facility Information Dist/Loc # _____ Facility ID FA0002943

Facility Name : Eliant Energy - Etiwanda Generating Station

Street No: 8996 Frac. _____ Dir _____ Street Name Etiwanda Ste/Unit: _____

City: Rancho Cucamonga State: Ca Zip Code: 91739

Phone: ( ) _____ Ext: _____ Fax: ( ) _____

Tax ID: _____ Soc Sec: _____

A- Contact Person (Acct Receivable)

Responsible Party: _____ Phone: ( ) _____

Street No: _____ Frac. _____ Dir _____ Street Name _____ Ste/Unit: _____

City: _____ State: _____ Zip Code: _____

Phone: ( ) _____ Fax: ( ) _____ Alt Phone: ( ) _____

Drivers Lic _____ Tax ID: _____ Soc Sec: _____

Number of Emp. _____ Number of UST's _____ MFR # _____

Permit Information *(Circle those that apply)*

Change/Inactivate/Z.O.B./Add: 4703 *Program Element* Permit # _____

Change/Inactivate/Z.O.B./Add: _____ *Program Element* Permit # _____

Change/Inactivate/Z.O.B./Add: _____ *Program Element* Permit # _____

Change/Inactivate/Z.O.B./Add: _____ *Program Element* Permit # _____

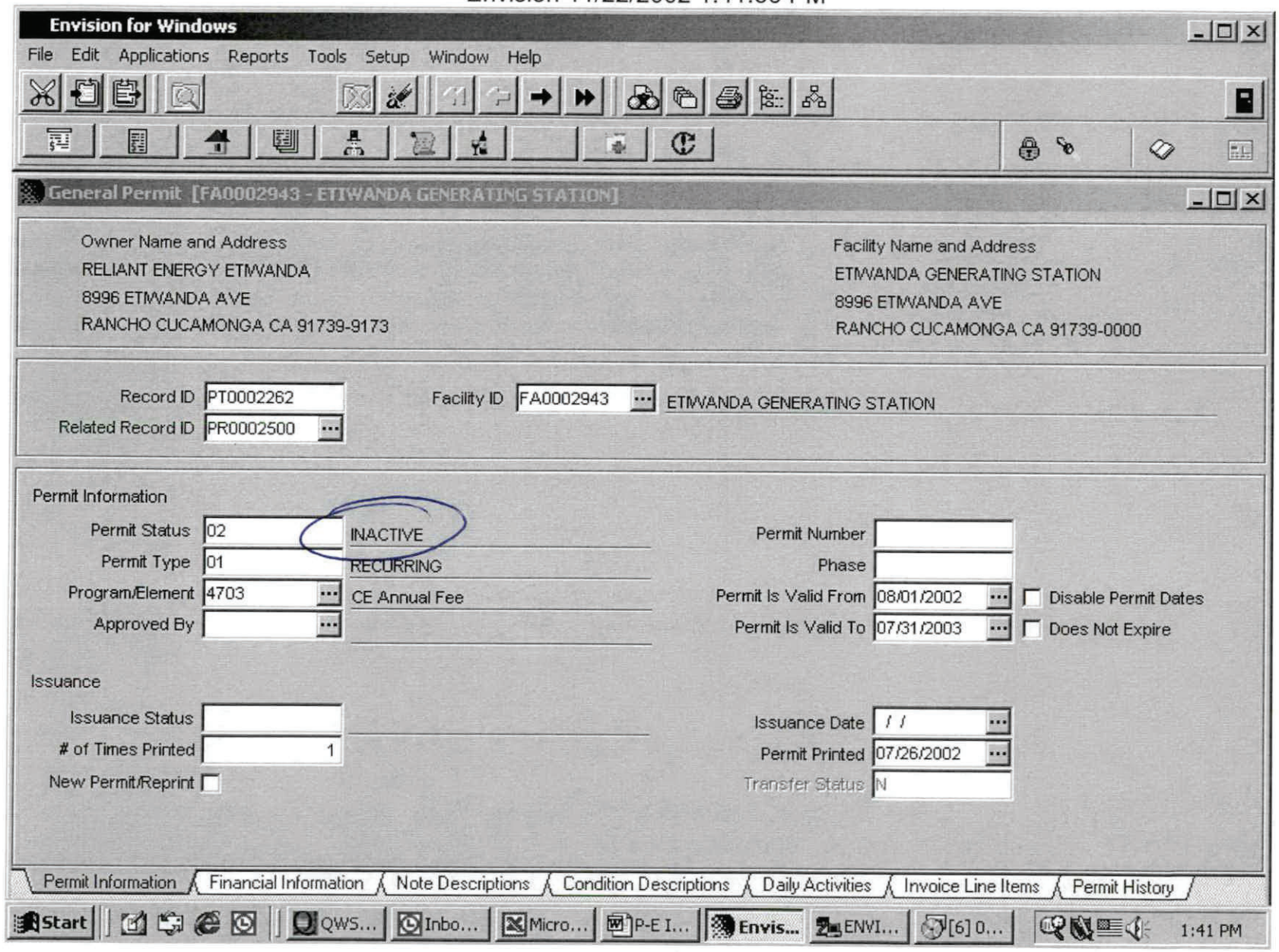
Change/Inactivate/Z.O.B./Add: _____ *Program Element* Permit # _____

Date Submitted: 8/28/02 Date Entered: _____ Fiscal Date: _____

Submitted By: KBrundage Entered By: _____

Comments/Remarks: facility no longer subject to Tiered Permitting requirements. All other permits apply. Thanks. -

Envision 11/22/2002 1:41:56 PM



SAN BERNARDINO COUNTY FIRE DEPARTMENT
COUNTY OF SAN BERNARDINO, CALIFORNIA

ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
EST - 86008879 PERMIT - 9805275538

THIS PERMIT EXPIRES:
07/31/2002

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS MATERIAL HANDLER 51-100 EMPLOYEES

FEE PAID $254.00

HOUSTON IND POWER GEN,INC
DBA: ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

NBR EMPLS - 86

Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

FILE COPY

SAN BERNARDINO COUNTY FIRE DEPARTMENT
COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
07/31/2002

ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
EST - 86008879 PERMIT - 0104058066

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - SPCC

FEE PAID $28.00

HOUSTON IND POWER GEN,INC
DBA: ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

FILE COPY

SAN BERNARDINO COUNTY FIRE DEPARTMENT
COUNTY OF SAN BERNARDINO, CALIFORNIA

ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
EST - 86008879 PERMIT - 9806166432

THIS PERMIT EXPIRES:
07/31/2002

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - CONDITIONAL EXEMPTION ANNUAL FEE

FEE PAID $56.00

HOUSTON IND POWER GEN,INC
DBA: ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

SAN BERNARDINO COUNTY FIRE DEPARTMENT
COUNTY OF SAN BERNARDINO, CALIFORNIA

ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
EST - 86008879 PERMIT - 9709099803

THIS PERMIT EXPIRES:
07/31/2002

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - STATE MANDATED FACILITY SERVICE FEE

FEE PAID $10.00

HOUSTON IND POWER GEN,INC
DBA: ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

FILE COPY

)12TP FDS Permit Billing System 08/08/01
SD005B Permit Summary 16:02:07

Estab . . 86008879 ETIWANDA GENERATING STA

Sel	Permit	Catgy	Expire Date	MFR	Sani	Balance	Stat	Size
	0104058066	222900	07/31/2001		0200	28.00		0
	Last bill: 06/29/2001		Last delq:			Delq cnt: 0		
	8603010049	222800	04/30/1998		0200	-16.00	I	1
	Last bill: 03/27/1998		Last delq:			Delq cnt: 0		
	8702260872	222801	04/30/2001		0200	.00	I	1
	Last bill:		Last delq:			Delq cnt: 0		
	9103130034	228703	04/30/1998		0200	-23.50	I	86
	Last bill: 04/28/1998		Last delq:			Delq cnt: 0		

PAID
DATE: 8-17-01
REC: 1477
CE

Estab . . 86008879 ETIWANDA GENERATING STA

Sel	Permit	Catgy	Expire Date	MFR	Sani	Balance	Stat	Size
	9103130035	226004	04/30/1998	042987	0200	.00	I	86
	Last bill: 04/28/1998		Last delq:			Delq cnt: 0		
	9504181533	226200	04/30/1995		0200	.00	I	0
	Last bill: 04/28/1995		Last delq:			Delq cnt: 0		
	9709099803	227001	07/31/2001		0200	10.00		0
	Last bill: 06/29/2001		Last delq:			Delq cnt: 0		
	9805275535	222800	07/31/2000		0200	.00	I	1
	Last bill:		Last delq:			Delq cnt: 0		

Estab . . 86008879 ETIWANDA GENERATING STA

Sel	Permit	Catgy	Expire Date	MFR	Sani	Balance	Stat	Size
	9805275536	222801	07/31/2000		0200	.00	I	1
	Last bill:		Last delq:			Delq cnt: 0		
	9805275537	228703	07/31/2001		0200	43.00		86
	Last bill: 06/29/2001		Last delq:			Delq cnt: 0		
	9805275538	226004	07/31/2001		0200	10.00		86
	Last bill: 06/29/2001		Last delq:			Delq cnt: 0		
	9806166431	227023	07/31/2000		0200	.00	I	0
	Last bill:		Last delq:			Delq cnt: 0		

)12TP
SD005B

FDS Permit Billing System
Permit Summary

08/08/01
16:02:18

Estab . . 86008879 ETIWANDA GENERATING STA

Sel	Permit	Catgy	Expire Date	MFR	Sani	Balance	Stat	Size
	9806166432	227022	07/31/2001		0200	2.00		0

Last bill: 06/29/2001 Last delq: Delq cnt: 0

Last bill: Last delq: Delq cnt:

Last bill: Last delq: Delq cnt:

Last bill: Last delq: Delq cnt:

SAN BERNARDINO COUNTY E DEPARTMENT . . .
SPECIAL DIST TS . RECEIPT 167.

DIVISION Haz Mat DATE 8-17-01

RECEIVED FROM Reliant Energy Etiwanda $ 93 —

Rusty Thiel DOLLARS

ESTABLISHMENT / ACCOUNTS / CONTRACT # 8600887S

DESCRIPTION	FUND-DEPT-ORG-REVENUE	GRC#	AMOUNT
Permits	SKX 1061559415		83 —
State fees	NHH 1061015993	Cal EPA	10 —

HAZARDOUS MATERIALS FIELD SERVICES
COMPUTER DATA BASE UPDATE AUTHORIZATION

CHANGE [X]

INACTIVATE FACILITY [ ] **INACTIVATE PERMIT(S)** [ ]

BILL TO: E A O **LOC/DIST NO:** _____ **EST NO:** 86008879
(Circle one)
(Former Est. Name (if applicable) _____

E – Establishment Information
Name: Etiwanda Generating station
Street No: 8996 **Fraction:** _____ **Direction:** _____
Street Name: Etiwanda **Apt/Ste/Unit No:** _____
City: Rancho Cucamonga **State:** CA **Zip Code:** 91739
Attn: _____ **Telephone:** ( )

A – Applicant Information
Name: _____
Street No: _____ **Fraction:** _____ **Direction:** _____
Street Name: _____ **Apt/Ste/Unit No:** _____
City: _____ **State:** _____ **Zip Code:** _____
Attn: _____ **Telephone:** ( )

O – Owner Information
Name: _____
Street No: _____ **Fraction:** _____ **Direction:** _____
Street Name: _____ **Apt/Ste/Unit No:** _____
City: _____ **State:** _____ **Zip Code:** _____
Attn: _____ **Telephone:** ( )

Program Information: **MFR Number** _____
Number of Employees: _____ **Number of UST's:** _____
Federal Tax I.D.Number/Social Security Number:

Permit Information: (Circle those that apply)
Change/Inactivate/Z.O.B./Add: 222900 **Permit No:** 0104058066
Change/Inactivate/Z.O.B./Add: _____ **Permit No:** _____
Change/Inactivate/Z.O.B./Add: _____ **Permit No:** _____
Change/Inactivate/Z.O.B./Add: _____ **Permit No:** _____
Change/Inactivate/Z.O.B./Add: _____ **Permit No:** _____
Change/Inactivate/Z.O.B./Add: _____ **Permit No:** _____

Date Submitted: 3-15-01 **Date Entered:** 4/5/01
Submitted By: Carey Hull **Entered By:** _____

Comments/Remarks: Per BP, 54,000 gallons of turbine oil is stored aboveground.

RCD. SDD FIRE FISCAL

01 MAR 15 PM 4:17

SAN BERNARDINO COUNTY FIRE DEPARTMENT
COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
07/31/2001

ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
EST - 86008879 PERMIT - 9806166432

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - CONDITIONAL EXEMPTION ANNUAL FEE

FEE PAID $50.00

HOUSTON IND POWER GEN,INC
DBA: ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

FILE COPY

SAN BERNARDINO COUNTY FIRE DEPARTMENT
COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
07/31/2001

ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
EST - 86008879 PERMIT - 9805275538

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS MATERIAL HANDLER

FEE PAID $225.00

HOUSTON IND POWER GEN,INC
DBA: ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

NBR EMPLS - 86

Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

FILE COPY

SAN BERNARDINO COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
07/31/2001

ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
EST - 86008879 PERMIT - 9805275537

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS WASTE GENERATOR

FEE PAID $1,000.00

HOUSTON IND POWER GEN,INC
DBA: ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

NBR EMPLS - 86

Richard W. Lewis
Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

FILE COPY

SAN BERNARDINO COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
07/31/2001

ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
EST - 86008879 PERMIT - 9709099803

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - STATE MANDATED FACILITY SERVICE FEE

FEE PAID $10.00

HOUSTON IND POWER GEN,INC
DBA: ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

FILE COPY

---)12TP EHS Permit Billing System 08/10/00
)32 Permit Summary 08:10:47

PAID 8/8/00

Estab . . 86008879 ETIWANDA GENERATING STA

Sel	Permit	Catgy	Expire Date	MFR	Sani	Balance	Stat	Size
	9504181533	226200	04/30/1995		0200	.00	I	0
	Last bill: 04/28/1995		Last delq:			Delq cnt: 0		
	9709099803	227001	07/31/2000		0200	10.00		0
	Last bill: 06/28/2000		Last delq:			Delq cnt: 0		
	9805275535	222800	07/31/2000		0200	.00	I	1
	Last bill:		Last delq:			Delq cnt: 0		
	9805275536	222801	07/31/2000		0200	.00	I	1
	Last bill:		Last delq:			Delq cnt: 0		

PAID
Amt. 1285
Date 8/8/00
By CE

EHS Permit Billing System
Permit Summary

Estab . . 86008879 ETIWANDA GENERATING STA

Sel	Permit	Catgy	Expire Date	MFR	Sani	Balance	Stat	Size
	9805275537	228703	07/31/2000		0200	1,000.00		86
	Last bill: 06/28/2000		Last delq:			Delq cnt: 0		
	9805275538	226004	07/31/2000		0200	225.00		86
	Last bill: 06/28/2000		Last delq:			Delq cnt: 0		
	9806166431	227023	07/31/2000		0200	.00	I	0
	Last bill:		Last delq:			Delq cnt: 0		
	9806166432	227022	07/31/2000		0200	50.00		0
	Last bill: 06/28/2000		Last delq:			Delq cnt: 0		

EHS Permit Billing System
Permit Summary

Estab . . 86008879 ETIWANDA GENERATING STA

Sel	Permit	Catgy	Expire Date	MFR	Sani	Balance	Stat	Size
	8603010049	222800	04/30/1998		0200	-260.00	I	1
	Last bill: 03/27/1998		Last delq:			Delq cnt: 0		
	8702260872	222801	04/30/2001		0200	.00	I	1
	Last bill:		Last delq:			Delq cnt: 0		
	9103130034	228703	04/30/1998		0200	-236.50	I	86
	Last bill: 04/28/1998		Last delq:			Delq cnt: 0		
	9103130035	226004	04/30/1998	042987	0200	-926.00	I	86
	Last bill: 04/28/1998		Last delq:			Delq cnt: 0		

Office SB Co Fire San Bernardino County

, Calif., 8/8/20 19

ORIGINAL
1656603

RECEIVED FROM Reliant Energy $ 1285

One Thousand Two Hundred Eighty Five DOLLARS

Court Case Name vs.

NATURE OF FEES		
SRX 105 155 9415	1275	—
NUH 106 106 9970	10	—
106 0439		
☐ CASH ☐ CHECK ☐ MONEY ORDER	1285	—

Case No. 86008879

Cindy Echols
(SIGNATURE)

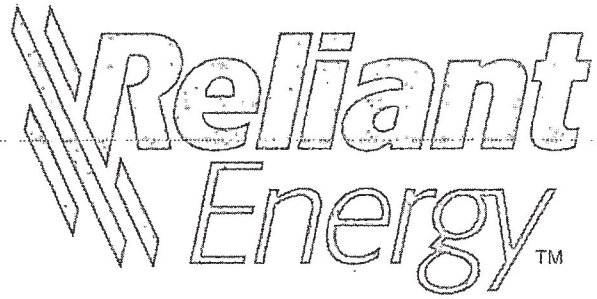
A/C H
(TITLE)

8

01-188A-123 REV. 3-80 10-83

RELIANT ENERGY ETIWANDA, LLC

REFERENCE NUMBER	DATE	VOUCHER	GROSS AMOUNT	DISCOUNT	NET AMOUNT
	*CUPA Permit				
ESTAB# 86008879	06/28/2000	1700000231	$1,285.00	0.00	$1,285.00



CHECK NUMBER	DATE	VENDOR NUMBER	VENDOR NAME	TOTAL AMOUNT
1000439	08/03/2000	0000122256	SAN BERNARDINO CTY FIRE DEPT	$1,285.00

Direct any inquiries to: Accounts Payable, RELIANT ENERGY ETIWANDA, LLC., P.O. Box 286, Houston, TX 77001-0286 (713) 207-8818

Refer to above check number and voucher number when inquiring about your payment

SAN BERNARDINO COUNTY FIRE DEPARTMENT
COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
07/31/2000

ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
EST - 86008879 PERMIT - 9805275537

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS WASTE GENERATOR

FEE PAID $1,000.00

HOUSTON IND POWER GEN,INC
DBA: ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

NBR EMPLS - 86

Richard W. Lewis
Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

FILE COPY

SAN BERNARDINO COUNTY FIRE DEPARTMENT
COUNTY OF SAN BERNARDINO, CALIFORNIA

ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
EST - 86008879 PERMIT - 9805275535

THIS PERMIT EXPIRES:
07/31/2000

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - UNDERGROUND STORAGE TANKS

FEE PAID $281.00

HOUSTON IND POWER GEN,INC
DBA: ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

NBR TANKS - 1

Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

FILE COPY

SAN BERNARDINO COUNTY FIRE DEPARTMENT
COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
07/31/2000

ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
EST - 86008879 PERMIT - 9709099803

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - STATE MANDATED FACILITY SERVICE FEE

FEE PAID $10.00

HOUSTON IND POWER GEN, INC
DBA: ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

FILE COPY

SAN BERNARDINO COUNTY FIRE DEPARTMENT
COUNTY OF SAN BERNARDINO, CALIFORNIA

ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
EST - 86008879 PERMIT - 9805275538

THIS PERMIT EXPIRES:
07/31/2000

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS MATERIAL HANDLER

FEE PAID $225.00

HOUSTON IND POWER GEN, INC
DBA: ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

NBR EMPLS - 86

Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

SAN BERNARDINO COUNTY FIRE DEPARTMENT
COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
07/31/2000

ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
EST - 86C08879 PERMIT - 9805275536

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - UNDERGROUND STORAGE TANK STATE FEE

FEE PAID $8.00

HOUSTON IND POWER GEN,INC
DBA: ETIWANDA GENERATING STA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

NBR TANKS - 1

Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

FILE COPY

SAN BERNARDINO COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS DIVISION
ANNUAL INVOICE FOR PERMIT FEES DUE

Establishment No. 86008879

ANNUAL INVOICE

06/29/1999

PAID
Amt. 1415.50
Date 81099
By

ENTERED AUG 10 1999

Element Number	Category	Exp. Date	For the Period of	Amount Due
9805275535	222800	07/31/1999	08/01/1999-07/31/2000	281.00
9805275536	222801	07/31/1999	08/01/1999-07/31/2000	8.00
9805275538	226004	07/31/1999	08/01/1999-07/31/2000	225.00
9709099803	227001	07/31/1999	08/01/1999-07/31/2000	10.00
9806166432	227022	07/31/1999	08/01/1999-07/31/2000	50.00

BILL TO: HOUSTON IND POWER GEN,INC
ATTN: PAUL LACROIX
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

DBA: ETIWANDA GENERATING STA

TOTAL AMOUNT DUE: 1,615.50

ALL FEES ARE DUE AND PAYABLE UPON RECEIPT

Co - Etiwanda

[redacted] SD Cotte

San Bernardino County, Calif., 8-10 19 99

ORIGINAL
1585842

RECEIVED FROM Reliant Energy $ 1615.50

One Thousand six hundred fifteen + 50/100 DOLLARS

Court _____ Case Name _____ vs. _____

NATURE OF FEES		
SKX106155941S	1597	50
MUH106106999D	10	—
MRJ106106999D	8	—
1000178		
☐ CASH ☒ CHECK ☐ MONEY ORDER	1615	50

Case No. 86008879

Cindy Eells
(SIGNATURE)

A/C
(TITLE)

01-1[redacted]23 REV. 3-80

484

10-83

SAN BERNARDINO COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
07/31/1999

MT VISTA POWER, L.L.C
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
EST - 86C08879 PERMIT - 9805275537

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS WASTE GENERATOR

FEE PAID $1,234.67

HOUSTON IND POWER GEN, INC
DBA: MT VISTA POWER, L.L.C
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

NBR EMPLS - 86

14 mo.

Richard W. Lewis
Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

SAN BERNARDINO COUNTY FIRE DEPARTMENT
COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
07/31/1999

MT VISTA POWER, L.L.C
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
EST - 86C08879 PERMIT - 9709099803

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - STATE MANDATED FACILITY SERVICE FEE

FEE PAID $37.00

HOUSTON IND POWER GEN, INC
DBA: MT VISTA POWER, L.L.C
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

2 YRS.

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

Director
COUNTY FIRE CHIEF/FIRE WARDEN

SAN BERNARDINO COUNTY FIRE DEPARTMENT
COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
07/31/1999

MT VISTA POWER, L.L.C
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
EST - 86C08879 PERMIT - 9806166431

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - CONDITIONAL EXEMPTION STATE SVC CHG

FEE PAID $41.50

HOUSTON IND POWER GEN,INC
DBA: MT VISTA POWER, L.L.C
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

SAN BERNARDINO COUNTY FIRE DEPARTMENT
COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
07/31/1999

MT VISTA POWER, L.L.C
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
EST - 86CC8879 PERMIT - 9806166432

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - CONDITIONAL EXEMPTION ANNUAL FEE

FEE PAID $50.00

HOUSTON IND POWER GEN, INC
DBA: MT VISTA POWER, L.L.C
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

SAN BERNARDINO COUNTY FIRE DEPARTMENT
COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
07/31/1999

MT VISTA POWER, L.L.C
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739
EST - 86008879 PERMIT - 9805275538

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS MATERIAL HANDLER

FEE PAID $277.33

HOUSTON IND POWER GEN, INC
DBA: MT VISTA POWER, L.L.C
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

NBR EMPLS - 86

14 mo.

Richard W. Lewis
Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

EH012TP
SD033

Permit Billing System
Permit Summary

tiered

07/20/98
07:29:39

re-pp.

JUL 30 1998

Estab . . 86008879 MT VISTA POWER, L.L.C

Sel	Permit	Catgy	Expire Date	MFR	Sani	Balance	Stat	Size
	9504181533	226200	04/30/1995		0200	.00	I	0
	Last bill: 04/28/1995 Last delq:					Delq cnt: 0		
	9709099803	227001	07/31/1997		0200	37.00		0
	Last bill: 04/28/1998 Last delq:					Delq cnt: 0		
	9805275535	222800	07/31/1997		0200	346.67		1
	Last bill: 05/28/1998 Last delq:					Delq cnt: 0		
	9805275536	222801	07/31/1997		0200	16.00		1
	Last bill: 05/28/1998 Last delq:					Delq cnt: 0		

JUL 24 1998

PAID
Amt $2003.17
Date 7-17-98
By

EH012TP
SD033

Permit Billing System
Permit Summary

07/20/98
07:29:43

Estab . . 86008879 MT VISTA POWER, L.L.C

Sel	Permit	Catgy	Expire Date	MFR	Sani	Balance	Stat	Size
	9805275537	228703	07/31/1997		0200	1,234.67		86
	Last bill: 05/28/1998		Last delq:			Delq cnt: 0		
	9805275538	226004	07/31/1997		0200	277.33		86
	Last bill: 05/28/1998		Last delq:			Delq cnt: 0		
	9806166431	227023	07/31/1998		0200	41.50		0
	Last bill: 06/26/1998		Last delq:			Delq cnt: 0		
	9806166432	227022	07/31/1998		0200	50.00		0
	Last bill: 06/26/1998		Last delq:			Delq cnt: 0		

JUL 24 1998

Office SB CO Fire San Bernardino County

ORIGINAL
1487809

, Calif., 7-17 19 98

RECEIVED FROM Mountain Vista Power Gen $ 2003.17

Two Thousand three + 17/100 DOLLARS

Court _____ Case Name _____ vs. _____

NATURE OF FEES		
SKX-106-155 9415	1908	67
NUH-9990 CalEPA	37	—
NRT-9990 USGS	16	—
NUG-9990 CE	41	50
☐ CASH ☒ CHECK ☐ MONEY ORDER	2003	17

Case No. 86008879

Cindy Echols
(SIGNATURE)

A/C II
(TITLE)

01-188A-123 REV. 3-80 55

10-83

MOUNTAIN VISTA POWER GENERATION, L.L.C.

Check Number	Date	Vendor Number	Check Amount
000055	Jul 15, 1998	SAN0001	********$2,003.17

Special Instructions
Mail check to addressee.

Invoice Number	Invoice Date	Reference Number	Gross Amount	Discount	Net Amount
070798	7/15/98		$2,003.17	$0.00	$2,003.17

0005

Direct inquiries to: Accounts Payable, HI Power Generation, Inc., P.O. Box 286, Houston, TX 77001-0286 (713) 207-7296

Dear Bill

COMPUTER DATA BASE UPDATE AUTHORIZATION

Change ☑

Inactivate Permit/Facility (circle one) ☐

Bill To: E A O (cirle one) Location/ District No: 200 Est No: 81000879

Former Est. Name: (if applicable): SCE

Name: ~~SCE~~ (MT VISTA POWER, L.L.C.

Street No.: 8996 Fraction: ___ Direction:

Street Name: Etiwanda Ave Apt/Sp No.: ___

City: Etiwanda State: ___ Zip Code: ___

Telephone No.: ( )

change = 228703 +$308.67 = 926.00
9805275537

change = 226004 +$69.33 = 208.00
9805275538

change = 227001 +18.50 = 18.50
9709099803

Name:

Street

Street

City:

Telepho

Name:

Street

Street

City:

Telephone No.: ( )

Program Information: prorated per change of ownership / add full year fee

Number of Employees: ___ Number of UGST's: 1

Federal Tax I.D. Number/Social Security Number: ___

Permit Information: (Circle those that apply)

(Change)/Inactivate/Add	227023	Permit No.:	9806166431	20.75 / 20.75
(Change)/Inactivate/Add	227022	Permit No.:	9806166432	= 50.00
(Change)/Inactivate/Add	222800 + 86.67	Permit No.:	9805275535	= 260.00
(Change)/Inactivate/Add	222801 + 8.00	Permit No.:	9805275535	= 8.00

Date Submitted: 5/21/98 Date Entered: JUN 15 1998 JUN 16 1998

Submitted By: Larita Entered By: OK Van

Comments/Remarks:

Demand Bill

Total = $91.50

Breakdown: 227023 96/97
227023 97/98
227022 98/99

Dem. Bill

COMPUTER DATA BASE UPDATE AUTHORIZATION

Change ☑

Inactivate Permit/Facility (circle one) ☐

Bill To: E A O (cirle one) Location/District No: 200 Est No: 81000879

Former Est. Name: (if applicable): SCE

Name: ~~SCE~~ (MT VISTA POWER, L.L.C.

Street No.: 8996 Fraction: ___ Direction:

Street Name: Etiwanda Ave Apt/Sp No.:

City: Etiwanda State: ___ Zip Code:

Telephone No.: ( )

Name:

Street No.: Fraction: ___ Direction:

Street Name: Apt/Sp No.:

City: State: ___ Zip Code:

Telephone No.: ( )

Name:

Street No.: Fraction: ___ Direction:

Street Name: Apt/Sp No.:

City: State: ___ Zip Code:

Telephone No.: ( )

Program Information: prorated per change of ownership / add full year fee

Number of Employees: Number of UGST's: 1

Federal Tax I.D. Number/Social Security Number:

Permit Information: (Circle those that apply)

Change/Inactivate/Add	227023	Permit No.:	9806166431	20.75 / 20.75
Change/Inactivate/Add	227022	Permit No.:	9806166432	= 50.00
Change/Inactivate/Add	222800 + 86.67	Permit No.:	9805275535	= 260.00
Change/Inactivate/Add	222801 + 8.00	Permit No.:	9805275535	= 8.00

Date Submitted: 5/21/98 Date Entered: JUN 15 1998 JUN 16 1998

Submitted By: Larita Entered By: OK Van

Comments/Remarks:

Demand Bill Total = $91.50

Breakdown: 227023 96/97
227023 97/98
227022 98/99

Dem. Bill

HAZARDOUS MATERIALS FIELD SERVICES
COMPUTER DATA BASE UPDATE AUTHORIZATION

Change ☒

Inactivate Permit/Facility ☐
(circle one)

Bill To: (E) A O (cirle one) Location/District No: 72/0200 Est No: 86008879

Former Est. Name: (if applicable): SCE - Etiwanda Generating Station

E

Name: Alta Power Generation, L.L.C. - Etiwanda

Street No.: 8996 Fraction: ___ Direction:

Street Name: Etiwanda Apt/Sp No.:

City: Etiwanda State: CA Zip Code: 91739

Telephone No.: ( )

A

Name:

Street No.: same Fraction: ___ Direction:

Street Name: Apt/Sp No.:

City: State: Zip Code:

Telephone No.: ( )

O

Name:

Street No.: same Fraction: ___ Direction:

Street Name: Apt/Sp No.:

City: State: Zip Code:

Telephone No.: ( )

Program Information:

Number of Employees: 86 Number of UGST's: 1

Federal Tax I.D. Number/Social Security Number:

Permit Information: (Circle those that apply)

8603010049 & 9103130034
8702260872 & 9103130035

*prorated 4 months

Change/Inactivate/Add *222800 = 86.67 Permit No.: 980527-5535 — 86.67
Change/Inactivate/Add 222801 = 8.00 Permit No.: 980527-5536 — 8.00
Change/Inactivate/Add *226004 = 69.33 Permit No.: 980527-5538 — 69.33
Change/Inactivate/Add *228703 = 308.67 Permit No.: 980527 5537 — 308.67
Change/Inactivate/Add 227001 = EXP. DATE Permit No.: 9709099803 — 18.50
491.17

Date Submitted: 20 may 98 Date Entered: MAY 27 1998

Submitted By: W.W. Entered By: CR Vam

Comments/Remarks: change in ownership/Name - category will remain same. Please change & send statement

HAZARDOUS MATERIALS FIELD SERVICES
COMPUTER DATA BASE UPDATE AUTHORIZATION

Change ☐

Mailing Address Change Inactivate Permit/Facility (circle one) ☐

Bill To: E (A) O Location/District No: _____ Est No: 86008879
(circle one)
Former Est. Name: (if applicable): _____

E
Name: SCE ETIWANDA
Street No.: 8996 Fraction: ___ Direction:
Street Name: ETIWANDA Apt/Sp No.: _____
City: ETIWANDA State: CA Zip Code: 91739
Telephone No.: (909) 899-7291

A
Name: Mountain Vista POWER GENERATION LLC
Street No.: 8996 Fraction: ___ Direction: _____
Street Name: Etiwanda Ave Apt/Sp No.: _____
City: Etiwanda State: ____ Zip Code: _____
Telephone No.: ( )
ATTN: PAUL LACROIX

Name: _____
Street No.: _____ Fraction: ___ Direction: _____
Street Name: _____ Apt/Sp No.: _____
City: _____ State: ____ Zip Code: _____
Telephone No.: ( )

Program Information:

Number of Employees: 83 Number of UGST's: 1
Federal Tax I.D. Number/Social Security Number: _____

Permit Information: (Circle those that apply)

Change/Inactivate/Add _____ Permit No.: _____
Change/Inactivate/Add _____ Permit No.: _____
Change/Inactivate/Add _____ Permit No.: _____
Change/Inactivate/Add _____ Permit No.: _____

Date Submitted: _____ Date Entered: _____
Submitted By: _____ Entered By: _____

Comments/Remarks: Please change mailing address per their request.

SOUTHERN CALIFORNIA EDISON
An EDISON INTERNATIONAL™ Company

SOUTHERN CALIFORNIA EDISON
An *EDISON INTERNATIONAL* Company

To: Pat
Company: County of San Bernardino Fire Dept.
Phone: 909 387-3080
Fax: 909 387-4323

From: Rosalind Williams
Company: SCE
Phone: 626-302-4836
Fax: 626-302-9730

Date: 5/26/98
Pages including this cover page: 1

Pat,

I am faxing you this note regarding our Etiwanda Generatng Station. In the future could you please put all program elements on the same bill and change the owner address to the address below:

MOUNTAIN VISTA POWER GENERATION L.L.C
8996 ETIWANDA AVE
ETIWANDA, CA 91739
ATTN: PAUL LACROIX

NOTE: Can we please get a copy of the bill since this is our area for records.

Thank you very much,

Rosalind Williams

P. O. Box 800
2244 Walnut Grove Ave.
Rosemead, CA 91770

HAZARDOUS MATERIALS FIELD SERVICES
COMPUTER DATA BASE UPDATE AUTHORIZATION

Change ☐

Inactivate Permit/Facility (circle one) ☒

Bill To: E A O (cirle one) Location/ District No: 72 Est No: 8600879

Former Est. Name: (if applicable): _____

Name: SCE Etiwanda

Street No.: 8096 Fraction: ___ Direction:

Street Name: Etiwanda Apt/Sp No.: _____

City: Etiwanda State: ___ Zip Code: _____

Telephone No.: ( )

Name: _____

Street No.: _____ Fraction: ___ Direction: _____

Street Name: _____ Apt/Sp No.: _____

City: _____ State: ___ Zip Code: _____

Telephone No.: ( )

Name: _____

Street No.: _____ Fraction: ___ Direction: _____

Street Name: _____ Apt/Sp No.: _____

City: _____ State: ___ Zip Code: _____

Telephone No.: ( )

Program Information:

Number of Employees: _____ Number of UGST's: _____

Federal Tax I.D. Number/Social Security Number: _____

Permit Information: (Circle those that apply)

Change/Inactivate/Add 226200 Permit No.: 950418/533

Change/Inactivate/Add _____ Permit No.: _____

Change/Inactivate/Add _____ Permit No.: _____

Change/Inactivate/Add _____ Permit No.: _____

Date Submitted: 5/18/98 Date Entered: already done

Submitted By: mkraft Entered By: _____

Comments/Remarks: Does not handle regulated substances > TQ

HAZARDOUS MATERIALS FIELD SERVICES
COMPUTER DATA BASE UPDATE AUTHORIZATION

Change ☐

Inactivate Permit/Facility (circle one) ☐

Bill To: E A O (cirle one) Location/ District No: _____ Est No: 86008879

Former Est. Name: (if applicable): _____

Name: SCE Etiwanda

Street No.: 8996 Fraction: ___ Direction:

Street Name: Etiwanda Apt/Sp No.: _____

City: Etiwanda State: CA Zip Code: 91739

Telephone No.: ( )

Name:

Street No.: Fraction: ___ Direction:

Street Name: Apt/Sp No.:

City: State: Zip Code:

Telephone No.: ( )

Name:

Street No.: Fraction: ___ Direction:

Street Name: Apt/Sp No.:

City: State: Zip Code:

Telephone No.: ( )

Program Information:

Number of Employees: Number of UGST's:

Federal Tax I.D. Number/Social Security Number:

Permit Information: (Circle those that apply)

Change/Inactivate/Add 222800 Permit No.: 8603010049

Change/Inactivate/Add 228703 Permit No.: 9103130034

Change/Inactivate/Add 226004 Permit No.: 9103130035

Change/Inactivate/Add Permit No.:

Date Submitted: 4/28/98 Date Entered: APR 30 1998

Submitted By: Julie Entered By: OK Van

Comments/Remarks: please make exp date 4.30.99 for all permits - thank you.

SAN BERNARDINO COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
05/31/1998

SCE ETIWANDA
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 9103130035

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS MATERIAL HANDLER

FEE PAID $208.00

SCE/ENVIRONMENTAL AFFAIRS
DBA: SCE ETIWANDA
P O BOX 800 #405
ROSEMEAD, CA 91770

NBR EMPLS - 86

Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

SAN BERNARDINO COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

SCE ETIWANDA
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 9103130034

THIS PERMIT EXPIRES:
05/31/1998

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS WASTE GENERATOR

FEE PAID $926.00

SCE/ENVIRONMENTAL AFFAIRS
DBA: SCE ETIWANDA
P O BOX 800 #405
ROSEMEAD, CA 91770

NBR EMPLS - 86

Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

SAN BERNARDINO COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS DIVISION
ANNUAL INVOICE FOR PERMIT FEES DUE

Establishment No. **86008879**

ANNUAL INVOICE

04/29/1997
PAGE 1 OF 1

Permit Number	Category	Exp. Date	For the Period of	Amount Due
9103130035	226004	05/31/1997	06/01/1997-05/31/1998	208.00
9103130034	228703	05/31/1997	06/01/1997-05/31/1998	926.00

JUN 05 1997

PAID
Amt. 1134
Date MAY 29 1997
By

BILL TO: SCE/ENVIRONMENTAL AFFAIRS
P O BOX 800 #405
ROSEMEAD, CA 91770

DBA: SCE ETIWANDA

TOTAL AMOUNT DUE: 1,134.00

ALL FEES ARE DUE AND PAYABLE UPON RECEIPT

0200

(Return Top Portion With Payment)

COUNTY FIRE
HAZARDOUS MATERIALS
97 MAY 29 PM 2:49

ORIGINAL

1371738

Office SBCO fire San Bernardino County

, Calif., 5-29 19 97

RECEIVED FROM Edison $ 1134 —

One Thousand one hundred Thirty four DOLLARS

Court _____ Case Name _____ vs. _____

NATURE OF FEES		
155 9415	1134	—
183151		
☐ CASH ☐ CHECK ☐ MONEY ORDER	1134	—

Case No. 86008829

Cindy Fields
(SIGNATURE)

Asst Clerk II
(TITLE)

01-[illegible]-123 REV. 3-80

10-83

SAN BERNARDINO COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

SCE ETIWANDA
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 9103130034

THIS PERMIT EXPIRES:
05/31/1997

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS WASTE GENERATOR

FEE PAID $926.00

SCE/ENVIRONMENTAL AFFAIRS
DBA: SCE ETIWANDA
P O BOX 800 #405
ROSEMEAD, CA 91770

NBR EMPLS - 86

Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

SAN BERNARDINO COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
05/31/1997

SCE ETIWANDA
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 9103130035

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the County Fire Department for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California, the County of San Bernardino, and/or applicable cities pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS MATERIAL HANDLER

FEE PAID $208.00

SCE/ENVIRONMENTAL AFFAIRS
DBA: SCE ETIWANDA
P O BOX 800 #405
ROSEMEAD, CA 91770

NBR EMPLS - 86

Director
COUNTY FIRE CHIEF/FIRE WARDEN

04-1804-631 REV. 8/95

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

SAN BERNARDINO COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS DIVISION
ANNUAL INVOICE FOR PERMIT FEES DUE

Establishment No. **86008879**

ANNUAL INVOICE

04/30/1996

Permit Number	Category	Exp. Date	For the Period of	Amount Due
9103130035	226004	05/31/1996	06/01/1996-05/31/1997	208.00
9103130034	228703	05/31/1996	06/01/1996-05/31/1997	926.00

MAY 16 1996
PAID
Amt. 1134.00
Date MAY 16 19
By

BILL TO: SCE/ENVIRONMENTAL AFFAIRS
P O BOX 800 #405
ROSEMEAD, CA 91770

DBA: SCE ETIWANDA

TOTAL AMOUNT DUE: 1,134.00
ALL FEES ARE DUE AND PAYABLE UPON RECEIPT

0200 (Return Top Portion With Payment)

Office SB CO Fire / Hz Mat San Bernardino County

, Calif., 5-13 19 96

ORIGINAL

1277968

RECEIVED FROM So Calif Edison Co $ 11.34

One thousand one hundred thirty four DOLLARS

Court Case Name vs.

NATURE OF FEES		
SRX-706-155-9415	11.34	—
42657		
☐ CASH ☒ CHECK ☐ MONEY ORDER	11.34	—

Case No. 86008879

Cindy Echols
(SIGNATURE)

Fiscal I
(TITLE)

01-188A-123 REV. 3-80

10-83

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
05/31/1996

SCE ETIWANDA
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 9103130034

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by Environmental Health Services for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS WASTE GENERATOR

FEE PAID $926.00

SCE/ENVIRONMENTAL AFFAIRS
DBA: SCE ETIWANDA
P O BOX 800 #405
ROSEMEAD, CA 91770

NBR EMPLS - 86

Pamilla V. Bennett
Director
ENVIRONMENTAL HEALTH SERVICES

04-1804-631 REV. 4/92

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:

05/31/1996

SCE ETIWANDA
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 9103130035

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by Environmental Health Services for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS MATERIAL HANDLER

FEE PAID $208.00

SCE/ENVIRONMENTAL AFFAIRS
DBA: SCE ETIWANDA
P O BOX 800 #405
ROSEMEAD, CA 91770

NBR EMPLS - 86

Pamella V. Bennett
Director
ENVIRONMENTAL HEALTH SERVICES

04-1804-631 REV. 4/92

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

COUNTY OF SAN BERNARDINO
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
ANNUAL INVOICE FOR PERMIT FEES DUE

Establishment No. **86008879**

ANNUAL INVOICE

SW

04/28/1995
PAGE 1 OF 1

Permit Number	Category	Exp. Date	For the Period of	Amount Due
9103130035	226004	05/31/1995	06/01/1995-05/31/1996	208.00
9504181533	226200	04/30/1995	05/01/1995-04/30/1996	0.00
9103130034	228703	05/31/1995	06/01/1995-05/31/1996	926.00

PAID
Amt 1134.00
Date MAY 15 1995
By

BILL TO: SCE/ENVIRONMENTAL AFFAIRS
P O BOX 800 #405
ROSEMEAD, CA 91770

DBA: SCE ETIWANDA

TOTAL AMOUNT DUE: 1,134.00

ALL FEES ARE DUE AND PAYABLE UPON RECEIPT

0200

(Return Top Portion With Payment)

MAY 17 1995

HAZARDOUS MATERIALS FIELD SERVICES
COMPUTER DATA BASE UPDATE AUTHORIZATION

Change [X]
Inactivate [ ]

Bill To: E A (O) (circle one) Loc/Dist No: _____ Est No: 86008879

Former Est. Name: _____

E
Name: SCE ETIWANDA
Street No: 8996 Fraction: ___ Direction: ___
Street Name: ETIWANDA Apt/Sp No: ___
City: ETIWANDA State: ___ Zip Code: ___
Telephone No: ( )

A
Name: SCE
Street No: ___ Fraction: ___ Direction: ___
Street Name: NO CHANGE Apt/Sp No: ___
City: ___ State: ___ Zip Code: ___
Telephone No: ( )

O
Name: SCE/ENVIRONMENTAL AFFAIRS
Street No: ___ Fraction: ___ Direction: ___
Street Name: P.O. BOX 800 Apt/Sp No: RM 405
City: ROSEMEAD State: ___ Zip Code: ___
Telephone No: ( )

Program Information:
Number of Employees: _____ Number of USTs: _____
Federal Tax I.D. Number/Social Security Number: _____

Permit Information: (Circle those that apply)
Change/Inactivate/Add _____ Permit No: _____
Change/Inactivate/Add _____ Permit No: _____
Change/Inactivate/Add _____ Permit No: _____
Change/Inactivate/Add _____ Permit No: _____

Date Submitted: 8.16.94 Date Entered: _____
Submitted By: [signature] Entered By: _____

Comments/Remarks: PLEASE CHANGE INDICATED INFO

[ ] PLEASE ZERO EXISTING BALANCE

AUG 25 1994
CE

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

SCE ETIWANDA GENERATING
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86CO8879 PERMIT - 9103130034

THIS PERMIT EXPIRES:
05/31/1995

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by Environmental Health Services for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS WASTE GENERATOR

FEE PAID $926.00

SO CAL EDISON/HOXENG, G
CBA: SCE ETIWANDA GENERATING
P O BOX 800 #186
ROSEMEAD, CA 91770

NBR EMPLS - 86

Pamilla V. Bennett
Director
ENVIRONMENTAL HEALTH SERVICES

04-1804-631 REV. 4/92

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

SC ETIWANDA GENERATING
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86C08879 PERMIT - 9103130035

THIS PERMIT EXPIRES:
05/31/1995

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by Environmental Health Services for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS MATERIAL HANDLER

FEE PAID $208.00

SO CAL EDISON/HOXENG, G
DBA: SCE ETIWANDA GENERATING
P C BOX 800 #186
ROSEMEAD, CA 91770

NBR EMPLS - 86

Pamilla V. Bennett
Director
ENVIRONMENTAL HEALTH SERVICES

04-1804-631 REV. 4/92

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

COUNTY OF SAN BERNARDINO
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
ANNUAL INVOICE FOR PERMIT FEES DUE

Establishment No. 86008879

ANNUAL INVOICE

04/30/1994
PAGE 1 OF 1

Permit Number	Category	Exp. Date	For the Period of	Amount Due
9103130035	226004	05/31/1994	06/01/1994-05/31/1995	208.00
9103130034	228703	05/31/1994	06/01/1994-05/31/1995	926.00

PAID
Amt: 1,134.00
MAY 20 1994
Date
By

MAY 27 1994

BILL TO: SO CAL EDISON/HOXENG, G
P O BOX 800 #186
ROSEMEAD, CA 91770

DBA: SCE ETIWANDA GENERATING

TOTAL AMOUNT DUE: 1,134.00

ALL FEES ARE DUE AND PAYABLE UPON RECEIPT

0200 (Return Top Portion With Payment)

ESTABLISHMENT NUMBER: 86008879

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS IN THE SPACE PROVIDED. PLEASE COMPLETE ALL INFORMATION. PLEASE PRINT.

ESTABLISHMENT:

SCE ETIWANDA GENERATING
8996 ETIWANDA
ETIWANDA, CA 91739
PHONE : (714) 987-2561
BILL ATTN :
PARCEL : 229-283-82 APR 26 1993
FED-ID/SSN:
CONTACT : RICHARD DARNELL
DR. LIC.: ST: EXP:

APPLICANT:

SO CAL EDISON/HOXENG, G
P O BOX 800
ROSEMEAD, CA 91770
PHONE : (818) 302-1646

OWNER:

SO CAL EDISON/HOXENG, G
P O BOX 800
ROSEMEAD, CA 91770
PHONE : (818) 302-1646

IMPORTANT - ALL CORRESPONDENCE SHOULD BE SENT TO:

___ ESTABLISHMENT ___ APPLICANT ✓ OWNER (Check One)

I HEREBY MAKE APPLICATION FOR HEALTH SERVICES AND PERMIT TO ESTABLISH AND/OR OPERATE THE ABOVE MENTIONED BUSINESS, USE, OR SERVICE IN ACCORDANCE WITH THE LAWS, ORDINANCES, AND REGULATIONS THAT ARE NOW OR MAY HEREINAFTER BE IN FORCE BY THE UNITED STATES GOVERNMENT, THE STATE OF CALIFORNIA, AND THE COUNTY OF SAN BERNARDINO PERTAINING TO THE ABOVE MENTIONED BUSINESS. I HEREBY CONSENT TO ALL NECESSARY INSPECTIONS INCIDENT TO THE ISSUANCE OF THIS PERMIT AND THE OPERATION OF THE BUSINESS.

SIGNED Gregory J Hoxeng DATE 4/20/93 TITLE ENGINEER I

ESTABLISHMENT NUMBER: 86008879

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS IN THE SPACE PROVIDED. PLEASE COMPLETE ALL INFORMATION. PLEASE PRINT.

PERMIT: 9103130034 - HAZARDOUS WASTE GENERATOR

NBR EMPLS : 91 ~~86~~

APR 26 1993 ok Vam

TYPES OF WASTE GENERATED: MINERAL SPIRITS
YEARLY VOLUME (LBS/GALS): 2900 lbs
DISPOSAL METHOD : INCINERATION

TYPES OF WASTE GENERATED: ASBESTOS
YEARLY VOLUME (LBS/GALS): 225,000 lbs
DISPOSAL METHOD : LANDFILL

TYPES OF WASTE GENERATED: OIL/WATER
YEARLY VOLUME (LBS/GALS): 2500 lbs
DISPOSAL METHOD : INCINERATION

TYPES OF WASTE GENERATED: OIL CONTAMINATED SOLIDS
YEARLY VOLUME (LBS/GALS): 21,000 lbs
DISPOSAL METHOD : LANDFILL

IF NEEDED, PLEASE ATTACH ADDITIONAL SHEETS OF INFORMATION
NOTE: NBR EMPLS IS THE NUMBER OF FULL-TIME EMPLOYEES INVOLVED WITH GENERATING/HANDLING/MANAGING HAZARDOUS MATERIALS

FOR OFFICE USE ONLY:

CATGY: 228703 EXP: 05/31/1993 LOC: 72

SANI : 0200 MFR: APN:

APPLICATION FOR HEALTH PERMIT
PROGRAM INFORMATION

DATE 02/19/1993
PAGE 4

ESTABLISHMENT NUMBER: 86008879

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS IN THE SPACE PROVIDED. PLEASE COMPLETE ALL INFORMATION. PLEASE PRINT.

PERMIT: 9103130035 - HAZARDOUS MATERIAL HANDLER 1993

APR 26

NBR EMPLS : 91 86

HAZARDOUS MATERIALS HANDLED: SULFURIC ACID
YEARLY VOLUME (LBS/GALS) : 870,000 lbs
DISPOSAL METHOD : BOILER WATER TREATMENT

HAZARDOUS MATERIALS HANDLED: SODIUM HYDROXIDE
YEARLY VOLUME (LBS/GALS) : 78,000 lbs
DISPOSAL METHOD : BOILER WATER TREATMENT

HAZARDOUS MATERIALS HANDLED: AMMONIUM HYDROXIDE
YEARLY VOLUME (LBS/GALS) : 3,500 lbs
DISPOSAL METHOD : BOILER WATER TREATMENT

HAZARDOUS MATERIALS HANDLED: SODIUM HYPOCHLORITE
YEARLY VOLUME (LBS/GALS) : 35,100 lbs
DISPOSAL METHOD : COOLING WATER TREATMENT

IF NEEDED, PLEASE ATTACH ADDITIONAL SHEETS OF INFORMATION
NOTE: NBR EMPLS IS THE NUMBER OF FULL-TIME EMPLOYEES INVOLVED WITH GENERATING/HANDLING/MANAGING HAZARDOUS MATERIALS

FOR OFFICE USE ONLY:

CATGY: 226004 EXP: 05/31/1993 LOC: 72

SANI : 0200 MFR: 042987 APN:

APPLICATION FOR HEALTH PERMIT
PROGRAM INFORMATION

DATE 02/19/1993
PAGE 4

ESTABLISHMENT NUMBER: 86008879

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS IN THE SPACE PROVIDED. PLEASE COMPLETE ALL INFORMATION. PLEASE PRINT.

PERMIT: 9103130035 - HAZARDOUS MATERIAL HANDLER

NBR EMPLS : 91 86

HAZARDOUS MATERIALS HANDLED: HYDRAZINE
YEARLY VOLUME (LBS/GALS) : 540 GAL.
DISPOSAL METHOD : BOILER WATER TREATMENT

HAZARDOUS MATERIALS HANDLED: HYDROGEN
YEARLY VOLUME (LBS/GALS) : 925,000 CU. FT.
DISPOSAL METHOD : GENERATOR COOLING

HAZARDOUS MATERIALS HANDLED: GASOLINE
YEARLY VOLUME (LBS/GALS) : 3,950 GAL
DISPOSAL METHOD : VEHICLE FUEL

HAZARDOUS MATERIALS HANDLED: ACETYLENE
YEARLY VOLUME (LBS/GALS) : 13,800 CU.FT.
DISPOSAL METHOD : WELDING

IF NEEDED, PLEASE ATTACH ADDITIONAL SHEETS OF INFORMATION
NOTE: NBR EMPLS IS THE NUMBER OF FULL-TIME EMPLOYEES INVOLVED WITH GENERATING/HANDLING/MANAGING HAZARDOUS MATERIALS

FOR OFFICE USE ONLY:

CATGY: 226004 EXP: 05/31/1993 LOC: 72

SANI : 0200 MFR: 042987 APN:

APPLICATION FOR HEALTH PERMIT
PROGRAM INFORMATION

DATE 02/19/1993
PAGE 4

ESTABLISHMENT NUMBER: 86008879

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS IN THE SPACE PROVIDED. PLEASE COMPLETE ALL INFORMATION. PLEASE PRINT.

PERMIT: 9103130035 - HAZARDOUS MATERIAL HANDLER

NBR EMPLS : 91 86

HAZARDOUS MATERIALS HANDLED: DEPOSIT CONTROL POLYMERS
YEARLY VOLUME (LBS/GALS) : 5,600 GAL.
DISPOSAL METHOD : WATER TREATMENT

HAZARDOUS MATERIALS HANDLED: _____
YEARLY VOLUME (LBS/GALS) : _____
DISPOSAL METHOD : _____

HAZARDOUS MATERIALS HANDLED: _____
YEARLY VOLUME (LBS/GALS) : _____
DISPOSAL METHOD : _____

HAZARDOUS MATERIALS HANDLED: _____
YEARLY VOLUME (LBS/GALS) : _____
DISPOSAL METHOD : _____

IF NEEDED, PLEASE ATTACH ADDITIONAL SHEETS OF INFORMATION
NOTE: NBR EMPLS IS THE NUMBER OF FULL-TIME EMPLOYEES INVOLVED WITH GENERATING/HANDLING/MANAGING HAZARDOUS MATERIALS

FOR OFFICE USE ONLY:

CATGY: 226004 EXP: 05/31/1993 LOC: 72

SANI : 0200 MFR: 042987 APN:

ENVIRONMENTAL
HEALTH SERVICES
93 APR 22 PM 2:39

APPLICATION FOR HEALT ERMIT
COVER LETTER

DATE 02/19/1993
PAGE 1

EA-LU

From: County of San Bernardino
Department of Environmental Health Services
385 N. Arrowhead Ave.
San Bernardino, CA 92415-0160

For information call:
(714) 387-4646

To: SO CAL EDISON/HOXENG, G
DBA: SCE ETIWANDA GENERATING
P O BOX 800
ROSEMEAD, CA 91770

ESTABLISHMENT NUMBER: 86008879

Attention Owner/Operator:

The mission of the Department of Environmental Health Services (DEHS) is to prevent, eliminate, or reduce environmental hazards that could adversely affect the health, safety, and quality of life of the citizens of San Bernardino County. Pursuant to this, and in accordance with Federal, State, and Local laws and regulations, DEHS must oversee and inspect a variety of businesses and operations such as yours. Regulated businesses are required to apply and pay for operating and permit fees.

Please review the attached information sheets, make any changes or corrections, and mail them back to the DEHS address listed on the letterhead. It is important that the information be accurate as you are billed based on the information you provide. You must sign and return the application even if you have no changes. The information is subject to DEHS verification by future facility inspections.

NOTE: Permits are not transferable. If you are the new owner of the business, please cross out the old owner information, complete the forms, and mark that you are a NEW OWNER.

If you are renewing, you will receive a health permit bill about 2 months from now. New owners will be invoiced as soon as DEHS can process the information. If for some reason you do not get billed before your current permit expires, it is your responsibility to contact DEHS about your bill. Operating without a health permit or with an expired or invalid permit makes you liable for legal actions and/or other penalty fees.

San Bernardino County DEHS appreciates your cooperation in keeping our environment clean and safe for everyone.

ESTABLISHMENT NUMBER: 86008879

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS IN THE SPACE PROVIDED. PLEASE COMPLETE ALL INFORMATION. PLEASE PRINT.

ESTABLISHMENT:

SCE ETIWANDA GENERATING
8996 ETIWANDA
ETIWANDA, CA 91739
PHONE : (714) 987-2561 JUL 22 1993
BILL ATTN :
PARCEL :
FED-ID/SSN:
CONTACT :
DR. LIC.: ST: EXP:

(714) 899-7291

RICHARD DARNELL

APPLICANT:

SO CAL EDISON/HOXENG, G
P O BOX 800
ROSEMEAD, CA 91770
PHONE : (818) 302-1646 JUL 22 1993

P.O. BOX 800, ROOM 186 G.O.1

OWNER:

SO CAL EDISON/HOXENG, G
P O BOX 800
ROSEMEAD, CA 91770
PHONE : (818) 302-1646 JUL 22 1993

P.O. BOX 800, ROOM 186 G.O.1

IMPORTANT - ALL CORRESPONDENCE SHOULD BE SENT TO:

___ ESTABLISHMENT ___ APPLICANT _X_ OWNER (Check One)

I HEREBY MAKE APPLICATION FOR HEALTH SERVICES AND PERMIT TO ESTABLISH AND/OR OPERATE THE ABOVE MENTIONED BUSINESS, USE, OR SERVICE IN ACCORDANCE WITH THE LAWS, ORDINANCES, AND REGULATIONS THAT ARE NOW OR MAY HEREINAFTER BE IN FORCE BY THE UNITED STATES GOVERNMENT, THE STATE OF CALIFORNIA, AND THE COUNTY OF SAN BERNARDINO PERTAINING TO THE ABOVE MENTIONED BUSINESS. I HEREBY CONSENT TO ALL NECESSARY INSPECTIONS INCIDENT TO THE ISSUANCE OF THIS PERMIT AND THE OPERATION OF THE BUSINESS.

SIGNED Gregory J Hoxeng DATE 2/18/93 TITLE ENGINEER I

ESTABLISHMENT NUMBER: 86008879

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS IN THE SPACE PROVIDED. PLEASE COMPLETE ALL INFORMATION. PLEASE PRINT.

PERMIT: 8603010049 - UNDERGROUND STORAGE TANKS

NBR TANKS : 1

EMERGENCY CONTACT: RICHARD DARNELL
POSITION : SUPV. PLANT OPERATIONS
WORK PHONE : (714) 899-7291
24-HOUR PHONE : (818) 302-1212

FOR OFFICE USE ONLY:

CATGY: 222800 EXP: 04/30/1993 LOC: 72

SANI : 0200 MFR: APN:

93 MAR -3 PM 2:19

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
05/31/93

SCE ETIWANDA GENERATING
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 9103130034

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by Environmental Health Services for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS WASTE GENERATOR

FEE PAID $890.00

SO CAL EDISON/HOXENG, G
DBA: SCE ETIWANDA GENERATING
P O BOX 800
ROSEMEAD, CA 91770

NBR EMPL - 91

Pamilla V. Bennett
Director
ENVIRONMENTAL HEALTH SERVICES

04-1804-631 REV. 4/92

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

(714) 798-4233 • FAX (714) 798-4283

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
05/31/93

SCE ETIWANDA GENERATING
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 9103130035

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by Environmental Health Services for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS MATERIAL HANDLER

FEE PAID $200.00

SO CAL EDISON/HOXENG, G
DBA: SCE ETIWANDA GENERATING
P O BOX 800
ROSEMEAD, CA 91770

Pamella V. Bennett
Director
ENVIRONMENTAL HEALTH SERVICES

04-1804-631 REV. 4/92

PERMIT DOES NOT IMPLY APPROVAL

FILE COPY

POST IN A CONSPICUOUS PLACE

(714) 793-5233 • FAX (714) [redacted]4283

ONTHLY

COUNTY OF SAN BERNARDINO, CALIFORNIA
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
I N V O I C E

PAGE 1
BILL DATE 04/29/92
HEALTH PERMIT EXPIRATION DATE 05/31/92

** REMIT COPY ***

ESTABLISHMENT NBR 86008879

SO CAL EDISON/HOXENG, G
DBA: SCE ETIWANDA GENERATING
P O BOX 800
ROSEMEAD, CA 91770

SCE ETIWANDA GENERATING
8996 ETIWANDA
ETIWANDA, CA 91739

ERI	IBR	CATEGORY	DESCRIPTION		BILL CODE	AMOUNT	
103130034		228703	PREVIOUS BALANCE			0.00	
			HAZARDOUS WASTE GENERATOR		101	890.00	
				PERMIT TOTAL		890.00	JUN 03 1992
103130035		226004	PREVIOUS BALANCE			0.00	
			HAZARDOUS MATERIAL HANDLER		101	200.00	
				PERMIT TOTAL		200.00	JUN 03 1992
				TOTAL DUE		1,090.00	

LL FEES ARE NOW DUE AND PAYABLE. FAILURE TO PAY WITHIN 30 DAYS AFTER THE EXPIRATION DATE OF YOUR URRENT PERMIT WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. DO NOT SEPARATE THESE FORMS. EVIEW, UPDATE, AND SIGN THE ATTACHED RENEWAL APPLICATION(S). RETURN REMIT COPY OF THE INVOICE ND APPLICATION(S) WITH REMITTANCE TO: ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVENUE
SAN BERNARDINO, CA 92415-0160

U HAVE QUESTIONS CONCERNING YOUR BILLING PLEASE CALL:

OOD ESTABLISHMENT PERMITS -- 387-4637
WIMMING POOL PERMITS -- 387-4637
ILK & DAIRY ESTABLISHMENTS -- 387-4608
AZARDOUS OR INFECTIOUS
WASTE GENERATORS -- 387-3080
NDERGROUND STORAGE
TANK PERMITS -- 387-3080
AZARDOUS MATERIAL HANDLER
PERMITS -- 387-3044
MOBILEHOME PARK PERMITS -- 387-6515
MOTEL, CAMP, MASSAGE PARLOR PERMITS -- 387-6515
HOME OCCUPATION PERMITS -- 387-6512
TEMPORARY OFFICES/SIGNS -- 387-6512
REFUSE HAULERS -- 387-4655
REFUSE DISPOSAL SITES -- 387-4655
DESIGNATED MAINTENANCE AREA -- 387-4666
WATER SYSTEMS -- 387-4666
WELL DRILLERS -- 387-4666
SPECIAL USE PERMITS -- 387-6512

PAID
Amt 1090 00
Date 5-7-92
By

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

ONTHLY

RENEWAL APPLICATION FOR HEALTH PERMIT INSPECTION AND HEALTH SERVICES

SAN BERNARDINO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVE., SAN BERNARDINO, CA. 92415-0160

LEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS DIRECTLY ON THE FORM BY CROSSING OUT THE PRE-PRINTED INFORMATION
ND ADDING THE CHANGES. *** PLEASE PRINT. ***

STABLISHMENT INFO SCE ETIWANDA GENERATING

714) 987-2561 8996 ETIWANDA

ETIWANDA, CA 91739

<✓> CHECK HERE IF APPLICANT IS SAME AS LEGAL OWNER

APPLICANT INFO SO CAL EDISON/HOXENG, G

(818) 302-1646 P O BOX 800

ROSEMEAD, CA 91770

EGAL OWNER INFO SO CAL EDISON/HOXENG, G

818) -1646 P O BOX 800

ROSEMEAD, CA 91770

IS THIS A TRANSFER? No

IF YES: FORMER ESTABLISHMENT NAME _____

FORMER OWNER _____

MPORTANT: ALL CORRESPONDENCE SHOULD BE SENT TO: ___ESTABLISHMENT ADDRESS X LEGAL OWNER ___APPLICANT

UMBER OF EMPLOYEES: 91

OFFICE USE ONLY 10
EST NBR 86008879
PERMIT NBR 9103130034
FORMER EST NBR _____
PERMIT CATEGORY 228703
EXPIR DATE 05/31/92
NEW, TRANS, RENEW R
LOC CODE 72
SANI DIST 0200
MFR NBR
APN
PERMIT FEE $890-
STATE FEE _____
DELINQUENT FEE _____
TOTAL FEE REC'D $890-

HEREBY MAKE APPLICATION FOR HEALTH SERVICES AND PERMIT TO ESTABLISH AND/OR OPERATE THE ABOVE MENTIONED
USINESS, USE, OR SERVICE IN ACCORDANCE WITH THE LAWS, ORDINANCES, AND REGULATIONS THAT ARE NOW OR MAY
EREINAFTER BE IN FORCE BY THE UNITED STATES GOVERNMENT, THE STATE OF CALIFORNIA, AND THE COUNTY OF
AN BERNARDINO PERTAINING TO THE ABOVE MENTIONED BUSINESS. I HEREBY CONSENT TO ALL NECESSARY INSPECTIONS
NCIDENT TO THE ISSUANCE OF THIS PERMIT AND THE OPERATION OF THE BUSINESS.

IGNED Gregory J Hoxeng DATED 5-20-92 TITLE ENGINEER I

OTICE: ALL FEES ARE DUE AND PAYABLE WITHIN 30 DAYS. FAILURE TO PAY WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE.
APPLICATION AND FEE MUST BE SUBMITTED PRIOR TO OPERATION BY ANY NEW OWNER, OR A DELINQUENT FEE WILL BE CHARGED.

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

ONTHLY

RENEWAL APPLICATION FOR HEALTH PERMIT INSPECTION AND HEALTH SERVICES

SAN BERNARDINO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVE., SAN BERNARDINO, CA. 92415-0160

LEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS DIRECTLY ON THE FORM BY CROSSING OUT THE PRE-PRINTED INFORMATION
ND ADDING THE CHANGES. *** PLEASE PRINT. ***

STABLISHMENT INFO SCE ETIWANDA GENERATING

714) 987-2561 8996 ETIWANDA

ETIWANDA, CA 91739

< ✓ > CHECK HERE IF APPLICANT IS SAME AS LEGAL OWNER

APPLICANT INFO SO CAL EDISON/HOXENG, G

(818) 302-1646 P O BOX 800

ROSEMEAD, CA 91770

EGAL OWNER INFO SO CAL EDISON/HOXENG, G

818) :-1646 P O BOX 800

ROSEMEAD, CA 91770

IS THIS A TRANSFER? No

IF YES: FORMER ESTABLISHMENT NAME _____

FORMER OWNER _____

MPORTANT: ALL CORRESPONDENCE SHOULD BE SENT TO: ___ESTABLISHMENT ADDRESS X LEGAL OWNER ___APPLICANT

OFFICE USE ONLY
EST NBR 86008879
PERMIT NBR 9103130035
FORMER EST NBR _____
PERMIT CATEGORY 226004
EXPIR DATE 05/31/92
NEW, TRANS, RENEW R
LOC CODE 72
SANI DIST 0200
MFR NBR 042987
APN
PERMIT FEE $200-
STATE FEE _____
DELINQUENT FEE _____
TOTAL FEE REC'D $200-

HEREBY MAKE APPLICATION FOR HEALTH SERVICES AND PERMIT TO ESTABLISH AND/OR OPERATE THE ABOVE MENTIONED USINESS, USE, OR SERVICE IN ACCORDANCE WITH THE LAWS, ORDINANCES, AND REGULATIONS THAT ARE NOW OR MAY EREINAFTER BE IN FORCE BY THE UNITED STATES GOVERNMENT, THE STATE OF CALIFORNIA, AND THE COUNTY OF AN BERNARDINO PERTAINING TO THE ABOVE MENTIONED BUSINESS. I HEREBY CONSENT TO ALL NECESSARY INSPECTIONS NCIDENT TO THE ISSUANCE OF THIS PERMIT AND THE OPERATION OF THE BUSINESS.

IGNED Gregory J Hoxeng DATED 5-20-92 TITLE ENGINEER I

OTICE: ALL FEES ARE DUE AND PAYABLE WITHIN 30 DAYS. FAILURE TO PAY WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE.
APPLICATION AND FEE MUST BE SUBMITTED PRIOR TO OPERATION BY ANY NEW OWNER, OR A DELINQUENT FEE WILL BE CHARGED.

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

ENVIRONMENTAL
HEALTH SERVICES

92 MAY 27 AM 9:21

Southern California Edison Company

P. O. BOX 800

2244 WALNUT GROVE AVENUE

ROSEMEAD, CALIFORNIA 91770

May 21, 1992

Environmental Health Services
County of San Bernardino
385 N. Arrowhead Avenue
San Bernardino 92415-0160

Dear Sirs:

Enclosed please find a check in the amount of $1,090.00 to cover the renewal fees for our Etiwanda Generating Station for the following permits:

Hazardous Waste Generator	$890.00
Hazardous Material Handler	$200.00
Total	$1,090.00

Please submit all correspondence on these permits to me at the above address. I may also be reached at (818) 302-1646.

Sincerely,

Gregory J. Hoxeng

Gregory J. Hoxeng
Engineer I

Enclosures

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
05/31/92

SCE ETIWANDA GENERATING
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 9103130035

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the health officer for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS MATERIAL HANDLER

FEE PAID $150.00

SO CAL EDISON/HOXENG, G
DBA: SCE ETIWANDA GENERATING
P O BOX 800
ROSEMEAD, CA 91770

Richard L. Roberts
Director
ENVIRONMENTAL HEALTH SERVICES

04-1804-631 REV. 3/85

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
05/31/92

SCE ETIWANDA GENERATING
8996 ETIWANDA
ETIWANDA, CA 91739
EST - 86008879 PERMIT - 9103130034

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the health officer for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS WASTE GENERATOR

FEE PAID $690.00

SO CAL EDISON/HOXENG, G
DBA: SCE ETIWANDA GENERATING
P O BOX 800
ROSEMEAD, CA 91770

NBR EMPL - 91

Richard L. Roberts
Director
ENVIRONMENTAL HEALTH SERVICES

04-1804-631 REV. 3/85

PERMIT DOES NOT IMPLY APPROVAL

POST IN A
CONSPICUOUS PLACE

MONTHLY

COUNTY OF SAN BERNARDINO, CALIFORNIA
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
I N V O I C E

BILL DATE 04/29/91
HEALTH PERMIT EXPIRATION DATE 05/31/91

MAY Change 20/A

*** REMIT COPY ***

ESTABLISHMENT NBR 86008879

SO CAL EDISON/C ALCAINO
DBA: SCE ETIWANDA GENERATING
P O BOX 800
ROSEMEAD, CA 91770

SCE ETIWANDA GENERATING
8996 ETIWANDA
ETIWANDA, CA 91739

PERMIT NBR	CATEGORY	DESCRIPTION	BILL CODE	AMOUNT
0034	228703	PREVIOUS BALANCE		0.00
		HAZARDOUS WASTE GENERATOR	101	690.00
		PERMIT TOTAL		690.00
9103130035	226004	PREVIOUS BALANCE		0.00
		HAZARDOUS MATERIAL HANDLER	101	150.00
		PERMIT TOTAL		150.00
		TOTAL DUE		840.00

MAY 28 1991

MAY 28 1991

PAID
Amt 840.00
Date 5-16-91
By CE

ALL FEES ARE NOW DUE AND PAYABLE. FAILURE TO PAY WITHIN 30 DAYS AFTER THE EXPIRATION DATE OF YOUR CURRENT PERMIT WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. DO NOT SEPARATE THESE FORMS. REVIEW, UPDATE, AND SIGN THE ATTACHED RENEWAL APPLICATION(S). RETURN REMIT COPY OF THE INVOICE AND APPLICATION(S) WITH REMITTANCE TO: ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVENUE
SAN BERNARDINO, CA 92415-0160

IF YOU HAVE QUESTIONS CONCERNING YOUR BILLING PLEASE CALL:

ESTABLISHMENT PERMITS -- 387-4637
MINING POOL PERMITS -- 387-4637
MILK & DAIRY ESTABLISHMENTS -- 387-4608
HAZARDOUS OR INFECTIOUS WASTE GENERATORS -- 387-3080
UNDERGROUND STORAGE TANK PERMITS -- 387-3080
HAZARDOUS MATERIAL HANDLER PERMITS -- 387-3044
MOBILEHOME PARK PERMITS -- 387-6515
MOTEL, CAMP, MASSAGE PARLOR PERMITS -- 387-6515
HOME OCCUPATION PERMITS -- 387-6512
TEMPORARY OFFICES/SIGNS -- 387-6512
REFUSE HAULERS -- 387-4655
REFUSE DISPOSAL SITES -- 387-4655
DESIGNATED MAINTENANCE AREA -- 387-4666
WATER SYSTEMS -- 387-4666
WELL DRILLERS -- 387-4666
SPECIAL USE PERMITS -- 387-6512

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

MONTHLY

RENEWAL APPLICATION FOR HEALTH PERMIT INSPECTION AND HEALTH SERVICES

SAN BERNARDINO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVE., SAN BERNARDINO, CA. 92415-0160

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS DIRECTLY ON THE FORM BY CROSSING OUT THE PRE-PRINTED INFORMATION AND ADDING THE CHANGES. *** PLEASE PRINT. ***

ESTABLISHMENT INFO SCE ETIWANDA GENERATING
(714) 987-2561 8996 ETIWANDA
ETIWANDA, CA 91739

< > CHECK HERE IF APPLICANT IS SAME AS LEGAL OWNER

APPLICANT INFO SO CAL EDISON ~~C ALCAINO~~ G. HOXENG
(818) 302-1646 P O BOX 800
ROSEMEAD, CA 91770

LEGAL OWNER INFO SO CAL EDISON/~~C ALCAINO~~ G. HOXENG
(818) 302-1646 P O BOX 800
ROSEMEAD, CA 91770

IS THIS A TRANSFER? No

IF YES: FORMER ESTABLISHMENT NAME _____

FORMER OWNER _____

IMPORTANT: ALL CORRESPONDENCE SHOULD BE SENT TO: ___ESTABLISHMENT ADDRESS ✓LEGAL OWNER ___APPLICANT

NUMBER OF EMPLOYEES: 91

OFFICE USE ONLY 10
EST NBR 86008879
PERMIT NBR 9103130034
FORMER EST NBR _____
PERMIT CATEGORY 228703
EXPIR DATE 05/31/91
NEW, TRANS, RENEW T
LOC CODE 72
SANI DIST 0200
MFR NBR
APN
PERMIT FEE _____
STATE FEE _____
DELINQUENT FEE _____
TOTAL FEE REC'D $690

I HEREBY MAKE APPLICATION FOR HEALTH SERVICES AND PERMIT TO ESTABLISH AND/OR OPERATE THE ABOVE MENTIONED BUSINESS, USE, OR SERVICE IN ACCORDANCE WITH THE LAWS, ORDINANCES, AND REGULATIONS THAT ARE NOW OR MAY HEREINAFTER BE IN FORCE BY THE UNITED STATES GOVERNMENT, THE STATE OF CALIFORNIA, AND THE COUNTY OF SAN BERNARDINO PERTAINING TO THE ABOVE MENTIONED BUSINESS. I HEREBY CONSENT TO ALL NECESSARY INSPECTIONS INCIDENT TO THE ISSUANCE OF THIS PERMIT AND THE OPERATION OF THE BUSINESS.

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

SIGNED Gregory J. Hoberg DATED May 13, 1991 TITLE Engineer I

NOTICE: ALL FEES ARE DUE AND PAYABLE WITHIN 30 DAYS. FAILURE TO PAY WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. APPLICATION AND FEE MUST BE SUBMITTED PRIOR TO OPERATION BY ANY NEW OWNER, OR A DELINQUENT FEE WILL BE CHARGED.

MONTHLY.

RENEWAL APPLICATION FOR HEALTH PERMIT INSPECTION AND HEALTH SERVICES

SAN BERNARDINO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVE., SAN BERNARDINO, CA. 92415-0160

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS DIRECTLY ON THE FORM BY CROSSING OUT THE PRE-PRINTED INFORMATION AND ADDING THE CHANGES. *** PLEASE PRINT. ***

ESTABLISHMENT INFO SCE ETIWANDA GENERATING

(714) 987-2561 8996 ETIWANDA

ETIWANDA, CA 91739

< > CHECK HERE IF APPLICANT IS SAME AS LEGAL OWNER

APPLICANT INFO SO CAL EDISON ~~C ALCAINO~~ G. HOXENG

(818) 302-1646 P O BOX 800

ROSEMEAD, CA 91770

LEGAL OWNER INFO SO CAL EDISON ~~C ALCAINO~~ G. HOXENG

(818) 302-1646 P O BOX 800

ROSEMEAD, CA 91770

IS THIS A TRANSFER? No

IF YES: FORMER ESTABLISHMENT NAME _____

FORMER OWNER _____

IMPORTANT: ALL CORRESPONDENCE SHOULD BE SENT TO: ___ESTABLISHMENT ADDRESS ✓LEGAL OWNER ___APPLICANT

OFFICE USE ONLY
EST NBR 86008879
PERMIT NBR 9103130035
FORMER EST NBR _____
PERMIT CATEGORY 226004
EXPIR DATE 05/31/91
NEW, TRANS, RENEW T
LOC CODE 72
SANI DIST 0200
MFR NBR 042987
APN
PERMIT FEE _____
STATE FEE _____
DELINQUENT FEE _____
TOTAL FEE REC'D $150

I HEREBY MAKE APPLICATION FOR HEALTH SERVICES AND PERMIT TO ESTABLISH AND/OR OPERATE THE ABOVE MENTIONED BUSINESS, USE, OR SERVICE IN ACCORDANCE WITH THE LAWS, ORDINANCES, AND REGULATIONS THAT ARE NOW OR MAY HEREINAFTER BE IN FORCE BY THE UNITED STATES GOVERNMENT, THE STATE OF CALIFORNIA, AND THE COUNTY OF SAN BERNARDINO PERTAINING TO THE ABOVE MENTIONED BUSINESS. I HEREBY CONSENT TO ALL NECESSARY INSPECTIONS INCIDENT TO THE ISSUANCE OF THIS PERMIT AND THE OPERATION OF THE BUSINESS.

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

SIGNED Gregory J. Hoberg DATED May 13, 1991 TITLE ENGINEER I

NOTICE: ALL FEES ARE DUE AND PAYABLE WITHIN 30 DAYS. FAILURE TO PAY WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. APPLICATION AND FEE MUST BE SUBMITTED PRIOR TO OPERATION BY ANY NEW OWNER, OR A DELINQUENT FEE WILL BE CHARGED.

ENVIRONMENTAL
HEALTH SERVICES

91 MAY 16 AM 11:34

YOUR REMITTANCE
RETURNED WITH
THIS FORM MUST BE

Southern California Edison Company

P. O. BOX 800

2244 WALNUT GROVE AVENUE

ROSEMEAD, CALIFORNIA 91770

May 14, 1991

Environmental Health Services
County of San Bernardino
385 N. Arrowhead Avenue
San Bernardino 92415-0160

Dear Sirs:

Enclosed please find a check in the amount of $840.00 to cover the renewal fees for our Etiwanda Generating Station for the following permits:

Hazardous Waste Generator	$690.00
Hazardous Material Handler	$150.00
Total	$840.00

Please submit all correspondence on these permits to me at the above address. I may also be reached at (818) 302-1646.

Sincerely,

Gregory J. Hoxeng

Gregory J. Hoxeng
Engineer I

Enclosures

90011

ZARDOUS MATERIALS FIELD S ICES
COMPUTER DATA BASE UPDATE AUTHORIZATION

BILL TO: _____ SANI/DIST# _____ EST # 86008879

FORMER EST NAME (if applicable) _____

E

NAME: SCE Etiwanda Generating

ST#: 8996 FRAC: ___ DIR: ___ ST NAME: Etiwanda

ST DESIG: _____ APT/SP: _____ CITY: Etiwanda

STATE: CA ZIP: 91739 PH #: ( ) -

A

NAME:

ST#: _____ FRAC: ___ DIR: ___ ST NAME: _____

ST DESIG: _____ APT/SP: _____ CITY: _____

STATE: _____ ZIP: _____ PH #: ( ) -

O

NAME:

ST#: _____ FRAC: ___ DIR: ___ ST NAME: _____

ST DESIG: _____ APT/SP: _____ CITY: _____

STATE: _____ ZIP: _____ PH #: ( ) -

PERMIT INFO: (CIRCLE ALL THAT APPLY) Exp 5/31/91

CH/DEL/ADD 228703 Permit # _____

CH/DEL/ADD 226004 MFR#042987 Permit # _____

CH/DEL/ADD _____ Permit # _____

CH/DEL/ADD _____ Permit # _____

PROGRAM INFO:

OF EMPLOYEES: 91 # OF TANKS: 1

DATE ENTERED: _____ CONTROL #: _____

SUBMITTED BY: JM 3-11-91 ENTERED BY: _____

COMMENTS/REMARKS:

combine w/ 85004390

SCE - Elmwanda

EH401B

COUNTY OF SAN BERNARDINO
EHS PERMIT SYSTEM

DATE 03/15/91
PAGE: 7

INSERT AUDIT TRAIL

*** CONTROL NUMBER: 9000000 ESTABLISHMENT NUMBER: 86008879 PERMIT NUMBER: 9103130034 ***

PROGRAM DATA:	NUMBER SEATS	SQUARE FEET	NUMBER GALLONS	SOFT SERVE	DAILY TONS	DAILY CU YDS	NUMBER EMPLOYEES	NUMBER TANKS	NUMBER MACHINES	NUMBER UNITS	NUMBER POOLS	NUMBER BIRDS	NUMBER CONNECTIONS
							00091						

*** CONTROL NUMBER: 9000100 ESTABLISHMENT NUMBER: 86008879 PERMIT NUMBER: 9103130035 ***

PROGRAM DATA:	NUMBER SEATS	SQUARE FEET	NUMBER GALLONS	SOFT SERVE	DAILY TONS	DAILY CU YDS	NUMBER EMPLOYEES	NUMBER TANKS	NUMBER MACHINES	NUMBER UNITS	NUMBER POOLS	NUMBER BIRDS	NUMBER CONNECTIONS
							00091	000					

Please
File 1

EH401B

COUNTY OF SAN BERNARDINO
EHS PERMIT SYSTEM

DATE 03/13/91
PAGE: 32

INSERT AUDIT TRAIL

*** CONTROL NUMBER: 9001101 ESTABLISHMENT NUMBER: 86008879 PERMIT NUMBER: 9103130034 ***

PERMIT NBR	CATEGORY	STATUS	EXPIR DATE	MFR NUMBER	SANITARIAN AREA	DISTRICT EMPLOYEE	EXEMPT FLAG	DELQ FLAG	PRT FLG	BALANCE DUE	BILLED DATE	RENEWAL DATE	RENEWAL CODE	AREA	NBR SVCS
9103130034	228702		05/31/91		02	00				0.00	00/00/00	00/00/00	T		

*** CONTROL NUMBER: 9001101 ESTABLISHMENT NUMBER: 86008879 PERMIT NUMBER: 9103130034 *** *** NOT INSERTED ***

PROGRAM DATA:	NUMBER SEATS	SQUARE FEET	NUMBER GALLONS	SOFT SERVE	DAILY TONS	DAILY CU YDS	NUMBER EMPLOYEES	NUMBER TANKS	NUMBER MACHINES	NUMBER UNITS	NUMBER POOLS	NUMBER BIRDS	NUMBER CONNECTIONS
							00091						

** CONTROL NUMBER: 9001102 ESTABLISHMENT NUMBER: 86008879 PERMIT NUMBER: 9103130035 ***

PERMIT NBR	CATEGORY	STATUS	EXPIR DATE	MFR NUMBER	SANITARIAN AREA	DISTRICT EMPLOYEE	EXEMPT FLAG	DELQ FLAG	PRT FLG	BALANCE DUE	BILLED DATE	RENEWAL DATE	RENEWAL CODE	AREA	NBR SVCS
9103130035	226005		05/31/91	042987	02	00				0.00	00/00/00	00/00/00	T		

*** CONTROL NUMBER: 9001102 ESTABLISHMENT NUMBER: 86008879 PERMIT NUMBER: 9103130035 *** *** NOT INSERTED ***

PROGRAM DATA:	NUMBER SEATS	SQUARE FEET	NUMBER GALLONS	SOFT SERVE	DAILY TONS	DAILY CU YDS	NUMBER EMPLOYEES	NUMBER TANKS	NUMBER MACHINES	NUMBER UNITS	NUMBER POOLS	NUMBER BIRDS	NUMBER CONNECTIONS
							00091	000					

combine w/ 86008879

HAZARDOUS MATERIALS FIELD SERVICES
COMPUTER DATA BASE UPDATE AUTHORIZATION

Delete MAR 14 1991

BILL TO: _____ SANI/DIST# _____ EST # 8500439

FORMER EST NAME (if applicable) _____

NAME: Etiwanda Generating Stn

ST#: 8996 FRAC: ___ DIR: ___ ST NAME: Etiwanda

ST DESIG: Av APT/SP: _____ CITY: Etiwanda

STATE: CA ZIP: 91739 PH #: ( ) -

NAME: _____

ST#: _____ FRAC: ___ DIR: ___ ST NAME: _____

ST DESIG: _____ APT/SP: _____ CITY: _____

STATE: _____ ZIP: _____ PH #: ( ) -

NAME: _____

ST#: _____ FRAC: ___ DIR: ___ ST NAME: _____

ST DESIG: _____ APT/SP: _____ CITY: _____

STATE: _____ ZIP: _____ PH #: ( ) -

PERMIT INFO: (CIRCLE ALL THAT APPLY)

CH/DEL/ADD 228701 Permit # _____

CH/DEL/ADD 226003 Permit # _____

CH/DEL/ADD _____ Permit # _____

CH/DEL/ADD _____ Permit # _____

PROGRAM INFO:

OF EMPLOYEES: _____ # OF TANKS: _____

DATE ENTERED: _____ CONTROL #: _____

SUBMITTED BY: gm 3-14-91 ENTERED BY: _____

COMMENTS/REMARKS:

Dup Est. (wrong category pair!)

```
 LTERM:                    EHS RENEWABLE PERMIT SYSTEM                  03/12/91
    EH002                   ESTABLISHMENT INFORMATION                   16:07:52
 RETRIEVE
OPTION:          TRAN: 6ES     KEY: 85004390


ESTAB NUMBER:  85004390
ESTAB DATE   :  10/09/85       LOCATION:  72  STATUS:        BILL TO:  E
INACT DATE   :  00/00/00       PROBLEM PROGRAM:

************************* ESTABLISHMENT *********************************
 ETIWANDA GENERATING STN
            8996    0/0        ETIWANDA                        AV
            ETIWANDA                CA   91739  - 0000   000 - 000 - 0000
***************************** OWNER *************************************
 SO CAL EDISON/ACCAINO,C
                    0/0        P O BOX 800
            ROSEMEAD                CA   91770  - 0000   000 - 000 - 0000
************************** APPLICANT ************************************
 SO CAL EDISON/ACCAINO,C
                    0/0        P O BOX 800
            ROSEMEAD                CA   91770  - 0000   000 - 000 - 0000

     * PFK1 FOR PERMIT INFORMATION *
```

```
 LTERM:                    EHS RENEWABLE PERMIT SYSTEM                    03/12/91
    EH002                       PERMIT INFORMATION                       16:08:02
 RETRIEVE
OPTION:          TRAN: 6PM     KEY: 850043908510090111


ESTAB NUMBER:  85004390          PERMIT NUMBER:  8510090111

   CATEGORY:  228701
DESCRIPTION:  HAZARDOUS WASTE GENERATOR

                 STATUS:
            EXPIRE DATE:  05/31/91
             MFR NUMBER:  220185
       SANITARIAN DIST:  0200
     LAST RENEWAL DATE:  05/22/90
            EXEMPT FLAG:
       DELINQUENT FLAG:
            BALANCE DUE:           .00

   * PFK1 FOR PROGRAM INFORMATION *
```

LTERM: EHS RENEWABLE PERMIT SYSTEM 03/12/91
EH002 FISCAL INFORMATION 16:08:24
RETRIEVE
OPTION: TRAN: 6FS KEY: 850043908510090111

ESTAB NUMBER: 85004390 PERMIT NUMBER: 8510090111

FISCAL

DATE	TYPE	SEQ	AMOUNT	AMOUNT APPLIED	REVERSAL
04/17/86	101	01	180.00	180.00	
05/16/86	200	01	180.00	.00	
04/29/87	101	01	191.00	191.00	
05/27/87	200	01	191.00	.00	
04/29/88	101	01	250.00	250.00	
05/24/88	200	01	250.00	.00	
04/24/89	101	01	220.00	220.00	
05/22/89	200	01	220.00	.00	
04/30/90	101	01	264.00	264.00	
05/22/90	200	01	264.00	.00	

BALANCE DUE: .00

```
 LTERM:                    EHS RENEWABLE PERMIT SYSTEM                  03/12/91
    EH002                      PERMIT INFORMATION                      16:08:08
 RETRIEVE
OPTION:          TRAN: 6PM     KEY: 850043908701071009


ESTAB NUMBER:  85004390          PERMIT NUMBER:  8701071009

   CATEGORY:  226003
DESCRIPTION:  HAZARDOUS MATERIAL HANDLER

                STATUS:
           EXPIRE DATE:  05/31/91
            MFR NUMBER:  042987
      SANITARIAN DIST:  0200
    LAST RENEWAL DATE:  05/22/90
           EXEMPT FLAG:
      DELINQUENT FLAG:
           BALANCE DUE:          .00

   * PFK1 FOR PROGRAM INFORMATION *
```

LTERM: EHS RENEWABLE PERMIT SYSTEM 03/12/91
EH002 FISCAL INFORMATION 16:08:32
RETRIEVE
OPTION: TRAN: 6FS KEY: 850043908701071009

ESTAB NUMBER: 85004390 PERMIT NUMBER: 8701071009

FISCAL

DATE	TYPE	SEQ	AMOUNT	AMOUNT APPLIED	REVERSAL
04/29/87	101	01	75.00	75.00	
05/27/87	200	01	75.00	.00	
04/29/88	101	01	75.00	75.00	
05/24/88	200	01	75.00	.00	
04/24/89	101	01	90.00	90.00	
05/22/89	200	01	90.00	.00	
04/30/90	101	01	105.00	105.00	
05/22/90	200	01	105.00	.00	

BALANCE DUE: .00

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
05/31/91

ETIWANDA GENERATING STN
8996 ETIWANDA AV
ETIWANDA, CA 91739
EST - 85004390 PERMIT - 8510090111

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the health officer for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS WASTE GENERATOR

FEE PAID $264.00

DBA: ETIWANDA GENERATING STN
8996 ETIWANDA AV
ETIWANDA, CA 91739

NBR EMPL - 91

04-1804-631 REV. 3/85

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

Director
ENVIRONMENTAL HEALTH SERVICES

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

ETIWANDA GENERATING STN
8996 ETIWANDA AV
ETIWANDA, CA 91739
EST - 85004390 PERMIT - 8701071009

THIS PERMIT EXPIRES:
05/31/91

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the health officer for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS MATERIAL HANDLER

FEE PAID $105.00

DBA: ETIWANDA GENERATING STN
8996 ETIWANDA AV
ETIWANDA, CA 91739

04-1804-631 REV. 3/85

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

Director
ENVIRONMENTAL HEALTH SERVICES

IONTHLY

COUNTY OF SAN BERNARDINO, CALIFORNIA
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
I N V O I C E

PAGE 1
BILL DATE 04/30/90
HEALTH PERMIT EXPIRATION DATE 05/31/90

** REMIT COPY ***

ESTABLISHMENT NBR 85004390

DBA: ETIWANDA GENERATING STN
8996 ETIWANDA AV
ETIWANDA, CA 91739

ERMIT NBR	CATEGORY	DESCRIPTION		BILL CODE	AMOUNT	
510090111	228701	PREVIOUS BALANCE			0.00	
		HAZARDOUS WASTE GENERATOR		101	264.00	MAY 22 1990
			PERMIT TOTAL		264.00	
701071009	226003	PREVIOUS BALANCE			0.00	
		HAZARDOUS MATERIAL HANDLER		101	105.00	MAY 22 1990
			PERMIT TOTAL		105.00	
			TOTAL DUE		369.00	

LL FEES ARE NOW DUE AND PAYABLE. FAILURE TO PAY WITHIN 30 DAYS AFTER THE EXPIRATION DATE OF YOUR URRENT PERMIT WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. DO NOT SEPARATE THESE FORMS. EVIEW, UPDATE, AND SIGN THE ATTACHED RENEWAL APPLICATION(S). RETURN REMIT COPY OF THE INVOICE ND APPLICATION(S) WITH REMITTANCE TO: ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVENUE
SAN BERNARDINO, CA 92415-0160

PAID
Amt $369
Date 5-22
By Pat
#A-447408

F YOU HAVE QUESTIONS CONCERNING YOUR BILLING PLEASE CALL:
OOD ESTABLISHMENT PERMITS -- 387-4637
WI ; POOL PERMITS -- 387-4637
IL)AIRY ESTABLISHMENTS -- 387-4608
AZARDOUS OR INFECTIOUS
WASTE GENERATORS -- 387-3080
NDERGROUND STORAGE
TANK PERMITS -- 387-3080
AZARDOUS MATERIAL HANDLER
PERMITS -- 387-3044
MOBILEHOME PARK PERMITS -- 387-6515
MOTEL, CAMP, MASSAGE PARLOR PERMITS -- 387-6515
HOME OCCUPATION PERMITS -- 387-6512
TEMPORARY OFFICES/SIGNS -- 387-6512
REFUSE HAULERS -- 387-4655
REFUSE DISPOSAL SITES -- 387-4655
DESIGNATED MAINTENANCE AREA -- 387-4666
WATER SYSTEMS -- 387-4666
WELL DRILLERS -- 387-4666
SPECIAL USE PERMITS -- 387-6512

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

ONTHLY

RENEWAL APPLICATION FOR HEALTH PERMIT INSPECTION AND HEALTH SERVICES

SAN BERNARDINO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVE., SAN BERNARDINO, CA. 92415-0160

LEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS DIRECTLY ON THE FORM BY CROSSING OUT THE PRE-PRINTED INFORMATION ND ADDING THE CHANGES. *** PLEASE PRINT. ***

STABLISHMENT INFO ETIWANDA GENERATING STN
8996 ETIWANDA AV
ETIWANDA, CA 91739

< > CHECK HERE IF APPLICANT IS SAME AS LEGAL OWNER

APPLICANT INFO SO CAL EDISON/ACCAINO,C
P O BOX 800
ROSEMEAD, CA 91770

EGAL OWNER INFO SO CAL EDISON/~~ACCAINO,C~~ STEAM GENERATION
P O BOX 800, ROOM 285 G.O.1
ROSEMEAD, CA 91770

IS THIS A TRANSFER? No

IF YES: FORMER ESTABLISHMENT NAME _____

FORMER OWNER _____

MPORTANT: ALL CORRESPONDENCE SHOULD BE SENT TO: ___ESTABLISHMENT ADDRESS X LEGAL OWNER ___APPLICANT

NUMBER OF EMPLOYEES: 91

OFFICE USE ONLY 10
EST NBR 85004390
PERMIT NBR 8510090111
FORMER EST NBR _____
PERMIT CATEGORY 228701
EXPIR DATE 05/31/90
NEW, TRANS, RENEW R
LOC CODE 72
SANI DIST 0000
MFR NBR 220185
APN
PERMIT FEE _____
STATE FEE _____
DELINQUENT FEE _____
TOTAL FEE REC'D _____

HEREBY MAKE APPLICATION FOR HEALTH SERVICES AND PERMIT TO ESTABLISH AND/OR OPERATE THE ABOVE MENTIONED USINESS, USE, OR SERVICE IN ACCORDANCE WITH THE LAWS, ORDINANCES, AND REGULATIONS THAT ARE NOW OR MAY EREINAFTER BE IN FORCE BY THE UNITED STATES GOVERNMENT, THE STATE OF CALIFORNIA, AND THE COUNTY OF AN BERNARDINO PERTAINING TO THE ABOVE MENTIONED BUSINESS. I HEREBY CONSENT TO ALL NECESSARY INSPECTIONS NCIDENT TO THE ISSUANCE OF THIS PERMIT AND THE OPERATION OF THE BUSINESS.

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

IGNED Gregory J. Herbig DATED 5/8/90 TITLE ENGINEER I

OTICE: ALL FEES ARE DUE AND PAYABLE WITHIN 30 DAYS. FAILURE TO PAY WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. APPLICATION AND FEE MUST BE SUBMITTED PRIOR TO OPERATION BY ANY NEW OWNER, OR A DELINQUENT FEE WILL BE CHARGED.

ONTHLY

RENEWAL APPLICATION FOR HEALTH PERMIT INSPECTION AND HEALTH SERVICES

SAN BERNARDINO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVE., SAN BERNARDINO, CA. 92415-0160

LEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS DIRECTLY ON THE FORM BY CROSSING OUT THE PRE-PRINTED INFORMATION
ND ADDING THE CHANGES. *** PLEASE PRINT. ***

STABLISHMENT INFO ETIWANDA GENERATING STN
8996 ETIWANDA AV
ETIWANDA, CA 91739

< > CHECK HERE IF APPLICANT IS SAME AS LEGAL OWNER

APPLICANT INFO SO CAL EDISON/ACCAINO,C
P O BOX 800
ROSEMEAD, CA 91770

EGAL OWNER INFO SO CAL EDISON/~~ACCAINO,C~~ STEAM GENERATION
P O BOX 800 , ROOM 285, G.O.1
ROSEMEAD, CA 91770

IS THIS A TRANSFER? No

IF YES: FORMER ESTABLISHMENT NAME _____

FORMER OWNER _____

MPORTANT: ALL CORRESPONDENCE SHOULD BE SENT TO: ___ESTABLISHMENT ADDRESS X LEGAL OWNER ___APPLICANT

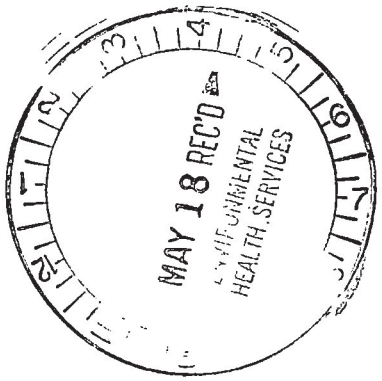
OFFICE USE ONLY
EST NBR 85004390
PERMIT NBR 8701071009
FORMER EST NBR _____
PERMIT CATEGORY 226003
EXPIR DATE 05/31/90
NEW, TRANS, RENEW R
LOC CODE 72
SANI DIST 0000
MFR NBR
APN
PERMIT FEE _____
STATE FEE _____
DELINQUENT FEE _____
TOTAL FEE REC'D _____

HEREBY MAKE APPLICATION FOR HEALTH SERVICES AND PERMIT TO ESTABLISH AND/OR OPERATE THE ABOVE MENTIONED USINESS, USE, OR SERVICE IN ACCORDANCE WITH THE LAWS, ORDINANCES, AND REGULATIONS THAT ARE NOW OR MAY EREINAFTER BE IN FORCE BY THE UNITED STATES GOVERNMENT, THE STATE OF CALIFORNIA, AND THE COUNTY OF AN BERNARDINO PERTAINING TO THE ABOVE MENTIONED BUSINESS. I HEREBY CONSENT TO ALL NECESSARY INSPECTIONS NCIDENT TO THE ISSUANCE OF THIS PERMIT AND THE OPERATION OF THE BUSINESS.

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

IGNED Gregory J. Hoberg DATED 5/8/90 TITLE ENGINEER I

OTICE: ALL FEES ARE DUE AND PAYABLE WITHIN 30 DAYS. FAILURE TO PAY WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE.
APPLICATION AND FEE MUST BE SUBMITTED PRIOR TO OPERATION BY ANY NEW OWNER, OR A DELINQUENT FEE WILL BE CHARGED.


MAY 18 REC'D
ENVIRONMENTAL
HEALTH SERVICES

Southern California Edison Company

P. O. BOX 800

2244 WALNUT GROVE AVENUE

ROSEMEAD, CALIFORNIA 91770

May 16, 1990

Environmental Health Services
County of San Bernardino
385 N. Arrowhead Avenue
San Bernardino 92415-0160

Dear Sirs:

Enclosed please find a check in the amount of $369.00 to cover the renewal fees for our Etiwanda Generating Station for the following permits:

Hazardous Waste Generator	$264.00
Hazardous Material Handler	$105.00
Total	$369.00

Please submit all correspondence on these permits to me at the above address. I may also be reached at (818) 302-2669.

Sincerely,

Gregory J. Hoxeng

Gregory J. Hoxeng
Engineer I

Enclosures

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
05/31/90

ETIWANDA GENERATING STN
8996 ETIWANDA AV
ETIWANDA, CA 91739
EST - 85004390 PERMIT - 8701071009

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the health officer for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS MATERIAL HANDLER

FEE PAID $90.00

DBA: ETIWANDA GENERATING STN
8996 ETIWANDA AV
ETIWANDA, CA 91739

04-1804-631 REV. 3/85

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

Director
ENVIRONMENTAL HEALTH SERVICES

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
05/31/90

ETIWANDA GENERATING STN
8996 ETIWANDA AV
ETIWANDA, CA 91739
EST - 85004390 PERMIT - 8510090111

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the health officer for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS WASTE GENERATOR

FEE PAID $220.00

DBA: ETIWANDA GENERATING STN
8996 ETIWANDA AV
ETIWANDA, CA 91739

NBR EMPL - 91

04-1804-631 REV. 3/85

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

Director
ENVIRONMENTAL HEALTH SERVICES

COUNTY OF SAN BERNARDINO, CALIFORNIA
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
I N V O I C E

PAGE 1
BILL DATE 04/24/89
HEALTH PERMIT EXPIRATION DATE 05/31/89

MAY 22 1989

** REMIT COPY ***

ESTABLISHMENT NBR 85004390

DBA: ETIWANDA GENERATING STN
8996 ETIWANDA AV
ETIWANDA, CA 91739

ERMIT NBR	CATEGORY	DESCRIPTION		BILL CODE	AMOUNT
510..11	228701	PREVIOUS BALANCE			0.00
		HAZARDOUS WASTE GENERATOR		101	220.00
			PERMIT TOTAL		220.00
701071009	226003	PREVIOUS BALANCE			0.00
		HAZARDOUS MATERIAL HANDLER		101	90.00
			PERMIT TOTAL		90.00
			TOTAL DUE		310.00

MAY 22 1989

MAY 22 1989

LL FEES ARE NOW DUE AND PAYABLE. FAILURE TO PAY WITHIN 30 DAYS AFTER THE EXPIRATION DATE OF YOUR URRENT PERMIT WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. DO NOT SEPARATE THESE FORMS. EVIEW, UPDATE, AND SIGN THE ATTACHED RENEWAL APPLICATION(S). RETURN REMIT COPY OF THE INVOICE ND APPLICATION(S) WITH REMITTANCE TO: ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVENUE
SAN BERNARDINO, CA 92415-0160

F HAVE QUESTIONS CONCERNING YOUR BILLING PLEASE CALL:

OOD ESTABLISHMENT PERMITS -- 387-4637
WIMMING POOL PERMITS -- 387-4637
ILK & DAIRY ESTABLISHMENTS -- 387-4608
AZARDOUS OR INFECTIOUS
WASTE GENERATORS -- 387-3080
NDERGROUND STORAGE
TANK PERMITS -- 387-3080
AZARDOUS MATERIAL HANDLER
PERMITS -- 387-3044
MOBILEHOME PARK PERMITS -- 387-4670
MOTEL, CAMP, MASSAGE PARLOR PERMITS -- 387-4670
HOME OCCUPATION PERMITS -- 387-4678
TEMPORARY OFFICES/SIGNS -- 387-4678
REFUSE HAULERS -- 387-4655
REFUSE DISPOSAL SITES -- 387-4655
DESIGNATED MAINTENANCE AREA -- 387-4655
WATER SYSTEMS -- 387-4666
WELL DRILLERS -- 387-4666
SPECIAL USE PERMITS -- 387-4678

PAID
Amt 310
Date 5-22-89
By

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

RENEWAL APPLICATION FOR HEALTH PERMIT INSPECTION AND HEALTH SERVICES

SAN BERNARDINO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVE., SAN BERNARDINO, CA. 92415-0160

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS DIRECTLY ON THE FORM BY CROSSING OUT THE PRE-PRINTED INFORMATION AND ADDING THE CHANGES. *** PLEASE PRINT. ***

ESTABLISHMENT INFO ETIWANDA GENERATING STN

8996 ETIWANDA AV

ETIWANDA, CA 91739

< > CHECK HERE IF APPLICANT IS SAME AS LEGAL OWNER

APPLICANT INFO SOUTHERN CALIF EDISON
ATTENTION: CARLOS ALCAINO
~~8996 ETIWANDA AV~~ P.O. BOX 800
~~ETIWANDA, CA 91739~~ ROSEMEAD, CA 91770

MAY 22 1989

LEGAL OWNER INFO SOUTHERN CALIF EDISON
ATTENTION: CARLOS ALCAINO
P O BOX 800

ROSEMEAD, CA 91770

MAY 22 1989

IS THIS A TRANSFER? NO

IF YES: FORMER ESTABLISHMENT NAME _____

FORMER OWNER _____

IMPORTANT: ALL CORRESPONDENCE SHOULD BE SENT TO: ___ESTABLISHMENT ADDRESS ✓ LEGAL OWNER ___APPLICANT

NUMBER OF EMPLOYEES: 00091

OFFICE USE ONLY
EST NBR 85004390
PERMIT NBR 8510090111
FORMER EST NBR _____
PERMIT CATEGORY 228701
EXPIR DATE 05/31/89
NEW, TRANS, RENEW R
LOC CODE 72
SANI DIST 0000
MFR NBR 220185
APN
PERMIT FEE $220-
STATE FEE _____
DELINQUENT FEE _____
TOTAL FEE REC'D $220-

I HEREBY MAKE APPLICATION FOR HEALTH SERVICES AND PERMIT TO ESTABLISH AND/OR OPERATE THE ABOVE MENTIONED BUSINESS, USE, OR SERVICE IN ACCORDANCE WITH THE LAWS, ORDINANCES, AND REGULATIONS THAT ARE NOW OR MAY HEREINAFTER BE IN FORCE BY THE UNITED STATES GOVERNMENT, THE STATE OF CALIFORNIA, AND THE COUNTY OF SAN BERNARDINO PERTAINING TO THE ABOVE MENTIONED BUSINESS. I HEREBY CONSENT TO ALL NECESSARY INSPECTIONS INCIDENT TO THE ISSUANCE OF THIS PERMIT AND THE OPERATION OF THE BUSINESS.

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

SIGNED Carlos Alcaino DATED 5/19/89 TITLE SENIOR ENGINEER

NOTICE: ALL FEES ARE DUE AND PAYABLE WITHIN 30 DAYS. FAILURE TO PAY WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. APPLICATION AND FEE MUST BE SUBMITTED PRIOR TO OPERATION BY ANY NEW OWNER, OR A DELINQUENT FEE WILL BE CHARGED.

RENEWAL APPLICATION FOR HEALTH PERMIT INSPECTION AND HEALTH SERVICES

SAN BERNARDINO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVE., SAN BERNARDINO, CA. 92415-0160

LEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS DIRECTLY ON THE FORM BY CROSSING OUT THE PRE-PRINTED INFORMATION
ND ADDING THE CHANGES. *** PLEASE PRINT. ***

STABLISHMENT INFO ETIWANDA GENERATING STN
8996 ETIWANDA AV
ETIWANDA, CA 91739

< > CHECK HERE IF APPLICANT IS SAME AS LEGAL OWNER

APPLICANT INFO SOUTHERN CALIF EDISON
8996 ETIWANDA AV
ETIWANDA, CA 91739

EGAL OWNER INFO SOUTHERN CALIF EDISON
ATTENTION: CARLOS ALCAINO
P O BOX 800
ROSEMEAD, CA 91770

IS THIS A TRANSFER? No

IF YES: FORMER ESTABLISHMENT NAME _____

FORMER OWNER _____

MPORTANT: ALL CORRESPONDENCE SHOULD BE SENT TO: ___ESTABLISHMENT ADDRESS ✓ LEGAL OWNER ___APPLICANT

OFFICE USE ONLY
EST NBR 85004390
PERMIT NBR 8701071009
FORMER EST NBR _____
PERMIT CATEGORY 226003
EXPIR DATE 05/31/89
NEW, TRANS, RENEW R
LOC CODE 72
SANI DIST 0000
MFR NBR
APN
PERMIT FEE $90-
STATE FEE _____
DELINQUENT FEE _____
TOTAL FEE REC'D $90-

I HEREBY MAKE APPLICATION FOR HEALTH SERVICES AND PERMIT TO ESTABLISH AND/OR OPERATE THE ABOVE MENTIONED USINESS, USE, OR SERVICE IN ACCORDANCE WITH THE LAWS, ORDINANCES, AND REGULATIONS THAT ARE NOW OR MAY EREINAFTER BE IN FORCE BY THE UNITED STATES GOVERNMENT, THE STATE OF CALIFORNIA, AND THE COUNTY OF AN BERNARDINO PERTAINING TO THE ABOVE MENTIONED BUSINESS. I HEREBY CONSENT TO ALL NECESSARY INSPECTIONS NCIDENT TO THE ISSUANCE OF THIS PERMIT AND THE OPERATION OF THE BUSINESS.

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

IGNED Carlos Alcaino DATED 5/19/89 TITLE SENIOR ENGINEER

OTICE: ALL FEES ARE DUE AND PAYABLE WITHIN 30 DAYS. FAILURE TO PAY WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE.
APPLICATION AND FEE MUST BE SUBMITTED PRIOR TO OPERATION BY ANY NEW OWNER, OR A DELINQUENT FEE WILL BE CHARGED.

Southern California Edison Company

P. O. BOX 800

2244 WALNUT GROVE AVENUE

ROSEMEAD, CALIFORNIA 91770

May 19, 1989

Environmental Health Services
County of San Bernardino
385 N. Arrowhead Avenue
San Bernardino, CA 92415-0160

Dear Sirs:

Enclosed please find a check for $310.00 to cover the renewal fees for the Etiwanda Generating Station Hazardous Waste Generator and Hazardous Materials Handler permits.

Please submit all correspondence on these permits to my attention at the above address. I may also be reached at (818) 302-1646.

Sincerely,

Carlos Alcaino

Enclosures

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
05/31/89

ETIWANDA GENERATING STN
8996 ETIWANDA AV
ETIWANDA, CA 91739
EST - 85004390 PERMIT - 8510090111

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the health officer for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS WASTE GENERATOR

FEE PAID $250.00

DBA ETIWANDA GENERATING STN
8996 ETIWANDA AV
ETIWANDA, CA 91739

NBR EMPL - 91

Richard L. Roberts
Director
ENVIRONMENTAL HEALTH SERVICES

04-1804-631 REV. 3/85

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

ETIWANDA GENERATING STN
8996 ETIWANDA AV
ETIWANDA, CA 91739
EST - 85004390 PERMIT - 8701071009

THIS PERMIT EXPIRES:
05/31/89

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the health officer for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS MATERIAL HANDLER

FEE PAID $75.00

DBA ETIWANDA GENERATING STN
8996 ETIWANDA AV
ETIWANDA, CA 91739

Richard L. Roberts
Director
ENVIRONMENTAL HEALTH SERVICES

04-3804-631 REV. 3/85

PERMIT DOES NOT IMPLY APPROVAL

POST IN A CONSPICUOUS PLACE

COUNTY OF SAN BERNARDINO, CALIFORNIA
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
I N V O I C E

BILL DATE 04/29/88
HEALTH PERMIT EXPIRATION DATE 05/31/88

*** REMIT COPY ***

ESTABLISHMENT NBR 85004390

DBA: ETIWANDA GENERATING STN
8996 ETIWANDA AV
ETIWANDA, CA 91739

PE NBR	CATEGORY	DESCRIPTION	BILL CODE	AMOUNT
8510090111	228701	PREVIOUS BALANCE		0.00
		HAZARDOUS WASTE GENERATOR	101	250.00
		PERMIT TOTAL		250.00
8701071009	226003	PREVIOUS BALANCE		0.00
		HAZARDOUS MATERIAL HANDLER	101	75.00
		PERMIT TOTAL		75.00
		TOTAL DUE		325.00

MAY 24 1988

MAY 24 1988

PAID
Amt 325.09
Date MAY 23 1988
By SKB

ALL FEES ARE NOW DUE AND PAYABLE. FAILURE TO PAY WITHIN 30 DAYS AFTER THE EXPIRATION DATE OF YOUR CURRENT PERMIT WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. DO NOT SEPARATE THESE FORMS. REVIEW, UPDATE, AND SIGN THE ATTACHED RENEWAL APPLICATION(S). RETURN REMIT COPY OF THE INVOICE AND APPLICATION(S) WITH REMITTANCE TO: ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVENUE
SAN BERNARDINO, CA 92415-0160

IF YOU HAVE QUESTIONS CONCERNING YOUR BILLING PLEASE CALL:

FOOD ESTABLISHMENT PERMITS -- 387-4637
SWIMMING POOL PERMITS -- 387-4637
MILK & DAIRY ESTABLISHMENTS -- 387-4608
HAZARDOUS OR INFECTIOUS
WASTE GENERATORS -- 387-3080
UNDERGROUND STORAGE
TANK PERMITS -- 387-3080
HAZARDOUS MATERIAL HANDLER
PERMITS -- 387-3044
MOBILEHOME PARK PERMITS -- 387-4670
MOTEL, CAMP, MASSAGE PARLOR PERMITS -- 387-4670
HOME OCCUPATION PERMITS -- 387-4678
TEMPORARY OFFICES/SIGNS -- 387-4678
REFUSE HAULERS -- 387-4655
REFUSE DISPOSAL SITES -- 387-4655
DESIGNATED MAINTENANCE AREA -- 387-4655
WATER SYSTEMS -- 387-4666
WELL DRILLERS -- 387-4666
SPECIAL USE PERMITS -- 387-4678

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

RENEWAL APPLICATION FOR HEALTH PERMIT INSPECTION AND HEALTH SERVICES

SAN BERNARDINO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVE., SAN BERNARDINO, CA. 92415-0160

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS DIRECTLY ON THE FORM BY CROSSING OUT THE PRE-PRINTED INFORMATION AND ADDING THE CHANGES. *** PLEASE PRINT. ***

ESTABLISHMENT INFO ETIWANDA GENERATING STN
8996 ETIWANDA AV
ETIWANDA, CA 91739

< > CHECK HERE IF APPLICANT IS SAME AS LEGAL OWNER

APPLICANT INFO SOUTHERN CALIF EDISON
8996 ETIWANDA AV
ETIWANDA, CA 91739

LE OWNER INFO SOUTHERN CALIF EDISON
P O BOX 800
ROSEMEAD, CA 91770

IS THIS A TRANSFER? No

IF YES: FORMER ESTABLISHMENT NAME _____

FORMER OWNER _____

IMPORTANT: ALL CORRESPONDENCE SHOULD BE SENT TO: ___ESTABLISHMENT ADDRESS X LEGAL OWNER ___APPLICANT

NUMBER OF EMPLOYEES: 00091

OFFICE USE ONLY
EST NBR 85004390
PERMIT NBR 8510090111
FORMER EST NBR _____
PERMIT CATEGORY 228701
EXPIR DATE 05/31/88
NEW, TRANS, RENEW R
LOC CODE 72
SANI DIST 0000
MFR NBR 220185
APN
PERMIT FEE 250.00
STATE FEE _____
DELINQUENT FEE _____
TOTAL FEE REC'D 250.00

I HEREBY MAKE APPLICATION FOR HEALTH SERVICES AND PERMIT TO ESTABLISH AND/OR OPERATE THE ABOVE MENTIONED BUSINESS, USE, OR SERVICE IN ACCORDANCE WITH THE LAWS, ORDINANCES, AND REGULATIONS THAT ARE NOW OR MAY HEREINAFTER BE IN FORCE BY THE UNITED STATES GOVERNMENT, THE STATE OF CALIFORNIA, AND THE COUNTY OF SAN BERNARDINO PERTAINING TO THE ABOVE MENTIONED BUSINESS. I HEREBY CONSENT TO ALL NECESSARY INSPECTIONS INCIDENT TO THE ISSUANCE OF THIS PERMIT AND THE OPERATION OF THE BUSINESS.

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

SIGNED Carlos Reaino DATED 5/20/88 TITLE SENIOR ENGINEER

NOTICE: ALL FEES ARE DUE AND PAYABLE WITHIN 30 DAYS. FAILURE TO PAY WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. APPLICATION AND FEE MUST BE SUBMITTED PRIOR TO OPERATION BY ANY NEW OWNER, OR A DELINQUENT FEE WILL BE CHARGED.

RENEWAL APPLICATION FOR HEALTH PERMIT INSPECTION AND HEALTH SERVICES

SAN BERNARDINO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVE., SAN BERNARDINO, CA. 92415-0160

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS DIRECTLY ON THE FORM BY CROSSING OUT THE PRE-PRINTED INFORMATION AND ADDING THE CHANGES. *** PLEASE PRINT. ***

ESTABLISHMENT INFO ETIWANDA GENERATING STN
8996 ETIWANDA AV
ETIWANDA, CA 91739

< > CHECK HERE IF APPLICANT IS SAME AS LEGAL OWNER

APPLICANT INFO SOUTHERN CALIF EDISON
8996 ETIWANDA AV
ETIWANDA, CA 91739

LE OWNER INFO SOUTHERN CALIF EDISON
P O BOX 800
ROSEMEAD, CA 91770

IS THIS A TRANSFER? No

IF YES: FORMER ESTABLISHMENT NAME _____

FORMER OWNER _____

IMPORTANT: ALL CORRESPONDENCE SHOULD BE SENT TO: ___ESTABLISHMENT ADDRESS ✓ LEGAL OWNER ___APPLICANT

OFFICE USE ONLY
EST NBR 85004390
PERMIT NBR 8701071009
FORMER EST NBR _____
PERMIT CATEGORY 226003
EXPIR DATE 05/31/88
NEW, TRANS, RENEW R
LOC CODE 72
SANI DIST 0000
MFR NBR
APN
PERMIT FEE 75.00
STATE FEE _____
DELINQUENT FEE _____
TOTAL FEE REC'D 75.00

I HEREBY MAKE APPLICATION FOR HEALTH SERVICES AND PERMIT TO ESTABLISH AND/OR OPERATE THE ABOVE MENTIONED BUSINESS, USE, OR SERVICE IN ACCORDANCE WITH THE LAWS, ORDINANCES, AND REGULATIONS THAT ARE NOW OR MAY HEREINAFTER BE IN FORCE BY THE UNITED STATES GOVERNMENT, THE STATE OF CALIFORNIA, AND THE COUNTY OF SAN BERNARDINO PERTAINING TO THE ABOVE MENTIONED BUSINESS. I HEREBY CONSENT TO ALL NECESSARY INSPECTIONS INCIDENT TO THE ISSUANCE OF THIS PERMIT AND THE OPERATION OF THE BUSINESS.

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

SIGNED Carlos Acains DATED 5/20/88 TITLE SENIOR ENGINEER

NOTICE: ALL FEES ARE DUE AND PAYABLE WITHIN 30 DAYS. FAILURE TO PAY WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. APPLICATION AND FEE MUST BE SUBMITTED PRIOR TO OPERATION BY ANY NEW OWNER, OR A DELINQUENT FEE WILL BE CHARGED.

ENVIRONMENTAL
HEALTH SERVICES
88 MAY 23 PM 2:07

ENVIRONMENTAL
HEALTH SERVICES
88 MAY 23 PM 2:07

Southern California Edison Company

P. O. BOX 800

2244 WALNUT GROVE AVENUE

ROSEMEAD, CALIFORNIA 91770

May 20, 1988

Environmental Health Services
County of San Bernardino
385 N. Arrowhead Avenue
San Bernardino, CA 92415-0160

Dear Sirs:

Enclosed please find a check to cover the renewal fees for the Etiwanda Generating Station Hazardous Material Handler and Hazardous Waste Generator permits.

Please submit all correspondence on these permits to my attention at the above address. I may also be reached at (818) 302-1646.

Sincerely,

Carlos Alcaino

Carlos Alcaino

Enclosures

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

THIS PERMIT EXPIRES:
05/31/88

ETIWANDA GENERATING STN
8996 ETIWANDA AV
ETIWANDA, CA 91739
EST - 85004390 PERMIT - 8510090111

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the health officer for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS WASTE GENERATOR

FEE PAID $191.00

DBA ETIWANDA GENERATING STN
8996 ETIWANDA AV
ETIWANDA, CA 91739

NBR EMPL - 91

Richard L. Roberts
Director
ENVIRONMENTAL HEALTH SERVICES

POST IN A CONSPICUOUS PLACE

PERMIT DOES NOT IMPLY APPROVAL

04-1804-631 REV. 3/85

- - 5 7 8-1-9 wd

RENEWAL APPLICATION FOR HEALTH PERMIT INSPECTION AND HEALTH SERVICES

SAN BERNARDINO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVE., SAN BERNARDINO, CA. 92415-0160

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS DIRECTLY ON THE FORM BY CROSSING OUT THE PRE-PRINTED INFORMATION AND ADDING THE CHANGES. *** PLEASE PRINT. ***

ESTABLISHMENT INFO ETIWANDA GENERATING STN
8996 ETIWANDA AV
ETIWANDA, CA 91739

< > CHECK HERE IF APPLICANT IS SAME AS LEGAL OWNER

APPLICANT INFO SOUTHERN CALIF EDISON
8996 ETIWANDA AV
ETIWANDA, CA 91739

LEGAL OWNER INFO SOUTHERN CALIF EDISON
P O BOX 800
STEAM GENERATION, ROOM 285
ROSEMEAD, CA 91770

IS THIS A TRANSFER? _____

IF YES: FORMER ESTABLISHMENT NAME _____

FORMER OWNER _____

IMPORTANT: ALL CORRESPONDENCE SHOULD BE SENT TO: ___ESTABLISHMENT ADDRESS X LEGAL OWNER ___APPLICANT

NUMBER OF EMPLOYEES: 00091

OFFICE USE ONLY
EST NBR 85004390
PERMIT NBR 8510090111
FORMER EST NBR _____
PERMIT CATEGORY 228701
EXPIR DATE 05/31/87
NEW, TRANS, RENEW R
LOC CODE 72
SANI DIST 0000
MFR NBR 220185
APN
PERMIT FEE 191.00
STATE FEE _____
DELINQUENT FEE _____
TOTAL FEE REC'D 191.00

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

I HEREBY MAKE APPLICATION FOR HEALTH SERVICES AND PERMIT TO ESTABLISH AND/OR OPERATE THE ABOVE MENTIONED BUSINESS, USE, OR SERVICE IN ACCORDANCE WITH THE LAWS, ORDINANCES, AND REGULATIONS THAT ARE NOW OR MAY HEREINAFTER BE IN FORCE BY THE UNITED STATES GOVERNMENT, THE STATE OF CALIFORNIA, AND THE COUNTY OF SAN BERNARDINO PERTAINING TO THE ABOVE MENTIONED BUSINESS. I HEREBY CONSENT TO ALL NECESSARY INSPECTIONS INCIDENT TO THE ISSUANCE OF THIS PERMIT AND THE OPERATION OF THE BUSINESS.

SIGNED Carlos Alcaino DATED 5/19/87 TITLE SENIOR ENGINEER 2

NOTICE: ALL FEES ARE DUE AND PAYABLE WITHIN 30 DAYS. FAILURE TO PAY WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. APPLICATION AND FEE MUST BE SUBMITTED PRIOR TO OPERATION BY ANY NEW OWNER, OR A DELINQUENT FEE WILL BE CHARGED.

COUNTY OF SAN BERNARDINO, CALIFORNIA
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
I N V O I C E

BILL DATE 04/29/87
HEALTH PERMIT EXPIRATION DATE 05/31/87

*** REMIT COPY ***

ESTABLISHMENT NBR 85004390

DBA: ETIWANDA GENERATING STN
8996 ETIWANDA AV
ETIWANDA, CA 91739

PERMIT NBR	CATEGORY	DESCRIPTION		BILL CODE	AMOUNT
90111	228701	PREVIOUS BALANCE			0.00
		HAZARDOUS WASTE GENERATOR		101	191.00
			PERMIT TOTAL		191.00
8701071009	226003	PREVIOUS BALANCE			0.00
		HAZARDOUS MATERIAL HANDLER		101	75.00
			PERMIT TOTAL		75.00
			TOTAL DUE		266.00

MAY 27 1987

MAY 27 1987 PAID

Amt 266.00
Date MAY 27 1987
By TK

ALL FEES ARE NOW DUE AND PAYABLE. FAILURE TO PAY WITHIN 30 DAYS AFTER THE EXPIRATION DATE OF YOUR CURRENT PERMIT WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. DO NOT SEPARATE THESE FORMS. REVIEW, UPDATE, AND SIGN THE ATTACHED RENEWAL APPLICATION(S). RETURN REMIT COPY OF THE INVOICE AND APPLICATION(S) WITH REMITTANCE TO: ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVENUE
SAN BERNARDINO, CA 92415-0160

IF YOU HAVE QUESTIONS CONCERNING YOUR BILLING PLEASE CALL:

FOOD ESTABLISHMENT PERMITS -- 387-4637
SWIMMING POOL PERMITS -- 387-4637
MILK & DAIRY ESTABLISHMENTS -- 387-4608
HAZARDOUS OR INFECTIOUS WASTE GENERATORS -- 387-4629
UNDERGROUND STORAGE TANK PERMITS -- 387-4629
HAZARDOUS MATERIAL HANDLER PERMITS -- 387-3080
MOBILEHOME PARK PERMITS -- 387-4670
MOTEL, CAMP, MASSAGE PARLOR PERMITS -- 387-4670
HOME OCCUPATION PERMITS -- 387-4670
TEMPORARY OFFICES/SIGNS -- 387-4670
REFUSE HAULERS -- 387-4655
REFUSE DISPOSAL SITES -- 387-4655
WATER SYSTEMS -- 387-4666
WELL DRILLERS -- 387-4666

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

Southern California Edison Company

P. O. BOX 800

2244 WALNUT GROVE AVENUE

ROSEMEAD, CALIFORNIA 91770

May 20, 1987



Environmental Health Services
County of San Bernardino
385 Arrowhead Avenue
San Bernardino, CA 92415-0160

Hazardous Materials Handler and
Hazardous Waste Generator Fees

I am enclosing a check for $266.00 to cover the fees itemized in the enclosed invoice. Included in this remittance are the following fees:

- Hazardous Waste Generator and Hazardous Material Handler for Etiwanda Generation Station

Please forward all future correspondence to my attention at the above address and direct your questions on this matter to me at (818) 302-1646.

Cordially,

Carlos Alcaino
Senior Engineer 2

CBA409:md
Enclosures

cc: M. L. Varvis

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

CE, ..IWANDA
996 ETIWANDA AV
TIWANDA, CA 91739
ST - 85004390 PERMIT - 8510090111

THIS PERMIT EXPIRES:
05/31/87

PERMIT

NON-TRANSFERABLE

This permit may be suspended or revoked by the health officer for cause. This permit is granted on condition that the person named in the permit will comply with the laws, ordinances and regulations that are now or may hereafter be in force by the United States Government, the State of California and the County of San Bernardino pertaining to the above mentioned business. Penalty fees are assessed on permits renewed 30 days after expiration date indicated above, or for failure to obtain new permit in case of transfer of ownership.

TYPE OF PERMIT - HAZARDOUS WASTE GENERATOR

FEE PAID $180.00

SCE/ETIWANDA
8996 ETIWANDA AV
ETIWANDA, CA 91739

NBR EMPL - 91

Richard L. Roberts
Director
ENVIRONMENTAL HEALTH SERVICES

04-1804-631 REV. 3/85

PERMIT DOES NOT IMPLY APPROVAL

POST IN A
CONSPICUOUS PLACE

COUNTY OF SAN BERNARDINO, CALIFORNIA
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
INVOICE

BILL DATE 04/17/86

[redacted] COPY ***

ESTABLISHMENT NBR 85004390

SCE/ETIWANDA
8996 ETIWANDA AV
ETIWANDA, CA 91739

PERM	NBR	CATEGORY	DESCRIPTION	BILL CODE	AMOUNT
85	0111	228701	PREVIOUS BALANCE		0.00
			HAZARDOUS WASTE GENERATOR	101	180.00
			PERMIT TOTAL		180.00
			TOTAL DUE		180.00

MAY 16 1986

ALL FEES ARE DUE AND PAYABLE WITHIN 30 DAYS. FAILURE TO PAY WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. DO NOT SEPARATE THESE FORMS. REVIEW, UPDATE, AND SIGN THE ATTACHED RENEWAL APPLICATION(S). RETURN REMIT COPY OF THE INVOICE AND APPLICATION(S) WITH REMITTANCE TO:

ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVENUE
SAN BERNARDINO, CA. 92415-0160
PHONE 714-383-2760

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

APPLICATION RECEIVED WITHOUT SIGNATURE

PAID
Amt 180.00
Date MAY 16 1986
By [redacted]

RECEIVED
MAY 16 1986
ENVIRONMENTAL
HEALTH SERVICES

RENEWAL APPLICATION FOR HEALTH PERMIT INSPECTION AND HEALTH SERVICES

SAN BERNARDINO COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
385 N. ARROWHEAD AVE., SAN BERNARDINO, CA. 92415-0160

PLEASE REVIEW THE FOLLOWING INFORMATION CAREFULLY. MAKE CORRECTIONS DIRECTLY ON THE FORM BY CROSSING OUT THE PRE-PRINTED INFORMATION AND ADDING THE CHANGES. *** PLEASE PRINT. ***

ESTABLISHMENT INFO SCE/ETIWANDA
8996 ETIWANDA AV
ETIWANDA, CA 91739

< X > CHECK HERE IF APPLICANT IS SAME AS LEGAL OWNER

APPLICANT INFO SOUTHERN CALIF. EDISON
8996 ETIWANDA AV
ETIWANDA, CA 91739

MAY 16 1986

LEGAL OWNER INFO SOUTHERN CALIF. EDISON
~~8996 ETIWANDA AV~~ P.O. Box 800
~~ETIWANDA, CA 91739~~ Rosemead, CA 91770

IS THIS A TRANSFER? No

IF YES: FORMER ESTABLISHMENT NAME _____
FORMER OWNER _____

IMPORTANT: ALL CORRESPONDENCE SHOULD BE SENT TO: __ESTABLISHMENT ADDRESS __LEGAL OWNER X APPLICANT

NUMBER OF EMPLOYEES: 00091

TYPES OF WASTE GENERATED:	VOLUME:	CIRCLE ONE:	DISPOSAL METHOD:
Asbestos	4000	LBS/GALS	Licensed Haz. Waste Disp. Facility
Boiler Cleaning Waste	1600	LBS/GALS	On-site Neutr./Lic. Haz. Waste Disp. Fac.
Oil and Water	1500	LBS/GALS	Recycled

EMERGENCY CONTACT:	POSITION:	WORK PHONE:	24-HR PHONE:
M. L. Varvis	Manager	714-987-2561	714-987-2561
or Shift Supervisor			714-987-2561

OFFICE USE ONLY
EST NBR 85004390
PERMIT NBR 8510090111
FORMER EST NBR
PERMIT CATEGORY 228701
EXPIR DATE 05/31/86
NEW, TRANS, RENEW R
LOC CODE 72
SANI DIST 0000
MFR NBR 220185
APN
PERMIT FEE 180.00
STATE FEE
DELINQUENT FEE
TOTAL FEE REC'D 180.00

THIS FORM MUST BE RETURNED WITH YOUR REMITTANCE

I HEREBY MAKE APPLICATION FOR HEALTH SERVICES AND PERMIT TO ESTABLISH AND/OR OPERATE THE ABOVE MENTIONED BUSINESS, USE, OR SERVICE IN ACCORDANCE WITH THE LAWS, ORDINANCES, AND REGULATIONS THAT ARE NOW OR MAY HEREINAFTER BE IN FORCE BY THE UNITED STATES GOVERNMENT, THE STATE OF CALIFORNIA, AND THE COUNTY OF SAN BERNARDINO PERTAINING TO THE ABOVE MENTIONED BUSINESS. I HEREBY CONSENT TO ALL NECESSARY INSPECTIONS INCIDENT TO THE ISSUANCE OF THIS PERMIT AND THE OPERATION OF THE BUSINESS.

SIGNED _____ DATED _____ TITLE Manager

NOTICE: ALL FEES ARE DUE AND PAYABLE WITHIN 30 DAYS. FAILURE TO PAY WILL RESULT IN THE ASSESSMENT OF A DELINQUENT FEE. APPLICATION AND FEE MUST BE SUBMITTED PRIOR TO OPERATION BY ANY NEW OWNER, OR A DELINQUENT FEE WILL BE CHARGED.


RECEIVED
MAY 16 1986

Southern California Edison Company

P. O. BOX 800

2244 WALNUT GROVE AVENUE

ROSEMEAD, CALIFORNIA 91770

May 12, 1986

San Bernadino County
Department of Environmental Health Services
385 N. Arrowhead Avenue
San Bernadino, CA 92415-0160

I am enclosing a completed permit renewal application form and permit fee for hazardous waste generator at Etiwanda Generating Station. Also enclosed is the permit renewal application form and fee for underground storage tanks at Highgrove Generating Station. Please refer any questions on this information to Carlos Alcaino at (818) 302-1646.

M. L. Varvis
Generating Station Manager

CBA307:peh

Enclosures

cc: C. B. Alcaino
W. H. Suyama

[redacted] Year 1985

HAZARDOUS WASTE GENERATOR PERMIT APPLICATION/RENEWAL

Facility Name: Southern California Edison Company Date: May 8, 1985

Site Address: 8996 Etiwanda Avenue City: Etiwanda Zip: 91739

Mailing Address: 8996 Etiwanda Avenue City: Etiwanda Zip: 91739

Assessor's Parcel Number: _____ EPA# CAD 079548574 SIC# 4911

Former Business Name (If, changed from previous year): _____

No. of Employees: 91

****

Legal Owner: Southern Calif. Edison Co. Mailing Address: 8996 Etiwanda Ave., Etiwanda

Contact Person: Robert Lugo Title: Plant Engineer Phone No.: (714) 987-2561

Emergency Contact Person: E. F. Ryan Title Manager Phone No.: (714) 987-2561

Address: 8996 Etiwanda Avenue, Etiwanda 91739 24 Hr. Phone No.: (714) 987-2561

DO YOU HAVE ANY OTHER PERMITS ISSUED BY THE COUNTY OF SAN BERNARDINO?

Yes X (List Below) No ____

Underground Hazardous Substance Storage Permit (Pending, Submitted 4/85)

HOW MANY UNDERGROUND STORAGE TANKS DOES THIS FACILITY HAVE? 3

****

TYPES OF WASTES GENERATED (Use additional sheet if necessary)	VOLUME PER MONTH	DISPOSAL METHOD
Asbestos	300 pounds	7 & 12
Boiler Cleaning Wastes (Sludge)	1600* gallons	7, 9 & 12
Oil & Water	1500 gallons	7 & 12
PCB's (Clean-up resulting from infrequent & minor equipment leakage)	0 + pounds	11

NAME(s) OF HAULER/RECYCLER: _____

YOUR PERMIT WILL EXPIRE ON [redacted] MAY 15 OF EACH YEAR.

I declare under penalty of perjury that the information provided herein is true and correct to the best of my knowledge.

E F Ryan — Signature

5-22-85 — Date

FORWARD TO: Department of Environmental Health Services
Hazardous Waste/Toxics Control
385 North Arrowhead Avenue
San Bernardino, CA 92415

County Use ONLY

DOR: 5/24/85

Amt. Rcv'd: $160.00 Ck #: A435628

MFR#: 220185 Permit #: 131382

RCV'D BY: [signature]

228701


RECEIVED
MAY 24 1985
ENVIRONMENTAL
HEALTH SERVICES

HEALTH INSPECTION FEE RENEWAL NOTICE TRANSFER ☐

Environmental Health Service Department

County of San Bernardino, California

TOTAL FEES DUE $ 160.00

THIS IS NOT A PERMIT TO OPERATE

DATE: 05-03-84

PERMIT EXPIRES: 05-03-85

TYPE: Haz Waste Generator

DIST/MFR: 22185

Employees

~~☐ S.C./☐ S.P.~~ 91

I HEREBY MAKE APPLICATION FOR HEALTH SERVICES AND PERMIT TO OPERATE A BUSINESS OR SERVICE AS DESCRIBED ON THIS APPLICATION IN ACCORDANCE WITH THE LAWS, ORDINANCES AND REGULATIONS THAT ARE NOW OR MAY HEREINAFTER BE IN FORCE BY THE UNITED STATES GOVERNMENT, THE STATE OF CALIFORNIA AND THE COUNTY OF SAN BERNARDINO.

SIGNED E T Ryan

DATE 5-22-85

1985 PERMIT RENEWAL

FEES ARE DUE AND PAYABLE UPON RECEIPT OF THIS NOTICE. PAYMENTS RECEIVED AFTER 30 DAYS ARE SUBJECT TO A 50% PENALTY FEE.

All fees are due and payable within 30 days after expiration date of current permit or a 50% penalty will be charged. On all CHANGES OF OWNERSHIP, application & fee must be submitted prior to operation by new owner or a 50% penalty will be charged.

NAME Southern California Edison Company

D.B.A. 8996 Etiwanda Avenue

ADDRESS Etiwanda, Ca. 91739

CITY & STATE

IF ANY OF THE ABOVE INFORMATION HAS CHANGED CONTACT OUR OFFICE FOR A NEW APPLICATION

Mail or deliver this notice and remittance to: Dept. of Environmental Health Services, ~~1111 E. Mill St., Bldg. 1.~~ San Bernardino, CA 92415 (Telephone: 383-~~2760~~)

HEALTH INSPECTION FEE RECEIPT

THIS IS NOT A PERMIT TO OPERATE

COUNTY OF SAN BERNARDINO, CALIFORNIA

No. 131382

DATE: May 24, 1985

PERMIT EXPIRES: MAY 31, 1986

Fee Paid $ 160.00

TYPE: HAZ WASTE GENERATOR

THIS RECEIPT, when properly countersigned, certifies payment of the sum shown above for the San Bernardino County Environmental Health Services Department inspection fee.

DIST/MFR: 220185

Employees
XXXXXXXX
☐ S.C./☐ S.F. 91

COUNTER RECEIPT ☐

CHECK ☐

CASH ☐

M.O. ☐

NAME
D.B.A. SOUTHERN CALIFORNIA EDISON COMPANY
ADDRESS 8996 Etiwanda Avenue
CITY & STATE ETIWANDA CA 91739

By: _____

THIS IS AN INSPECTION FEE RECEIPT
TRIPLICATE AUDITOR'S COPY

PM

HEALTH INSPECTION FEE RECEIPT

THIS IS NOT A PERMIT TO OPERA[redacted]

COUNTY OF SAN BERNARDINO, CALIFORNIA

No. 122861

DATE: 05-03-84

PERMIT EXPIRES: 05-03-85

Fee Paid $ ~~150.00~~ 150.00

TYPE: Haz Waste Generator

THIS RECEIPT, when properly countersigned, certifies payment of the sum shown above for the San Bernardino County Environmental Health Services Department inspection fee.

DIST/MFR: 22185

Employees

☐ S.C. / ☐ S.F. 91

COUNTER RECEIPT ☐

CHECK ☐

CASH ☐

M.O. ☐

NAME Southern California Edison Company

D.B.A. 8996 Etiwanda Avenue

ADDRESS Etiwanda, Ca. 91739

CITY & STATE

By: _____

THIS IS AN INSPECTION FEE RECEIPT

TRIPLICATE AUDITOR'S COPY

Ⓟ M

Submit to:
San Bernardino County Department of Environmental Health Services
385 N. Arrowhead, San Bernardino, CA 92415

MAR 15 1984
Date App Sent

HAZARDOUS WASTE GENERATOR PERMIT APPLICATION

SOUTHERN CALIFORNIA EDISON COMPANY — 4911
Facility (Installation) Name — SIC #, if known

8996 Etiwanda Avenue — Etiwanda — 91739 — CAD 079548574
Mailing Address (box # and/or street) — (city) — (zip) — EPA #, if known

8996 Etiwanda Avenue — Etiwanda — 91739 — 91
Facility Address (if different from mailing address) — # of Employees

Robert J. Lugo — (714) 987-2561 — ____
Contact Person — Facility Phone # — Facility Phone #

Southern California Edison Company
Owner Name

TYPES OF WASTES GENERATED (see list) (give specific chemical names, if known)	VOLUME PER MONTH (Pounds or Gallons)	DISPOSAL METHOD (see list/enter #)
Asbestos	800 pounds	7 & 12
Boiler Cleaning Wastes (sludge)	1600 * gallons	7, 9 & 12
Oil & Water	1500 gallons	7 & 12
PCB's (Clean-up resulting from infrequent & minor equipment leakage)	0 + pounds	11
*Twice yearly - 10,000 gallons each boiler cleaning		

(ADD ADDITIONAL SHEET, IF NECESSARY)

Does your facility have underground storage of hazardous wastes? YES ____ NO X

Does your facility have underground storage of hazardous material? YES gasoline NO ____

E. F. Ryan — Manager
Person to be Contacted in Case of Emergency — Position

(714) 987-2561 — ____
Phone # — After Hrs. Phone # (CONF.)

I declare, under penalty of perjury, the information provided herein is true and correct to the best of my knowledge.

E F Ryan — 4-26-84
Signature — Date

Manager — (714)987-2561
Title — Phone #

COUNTY USE ONLY

DATE 05-03-84
AMOUNT $150.00
~~CHECK~~ NO. A-234846
BY: TCS

PAID

22185

Southern California Edison Company

ETIWANDA GENERATING STATION
8996 ETIWANDA AVENUE
ETIWANDA, CALIFORNIA 91739

May 10, 1984

San Bernardino County Department
of Environmental Health Services
385 North Arrowhead
San Bernardino, Ca. 92415

Attention: Mr. R. L. Roberts

Hazardous Waste Permit Application

Gentlemen:

As requested in your letter of March 15, 1984, attached is the hazardous waste generator permit application. The one hundred and fifty dollar ($150.00) fee, which was to accompany the application was inadvertently forwarded to your office May 1, 1984 on check #234846 and is, therefore, not enclosed.

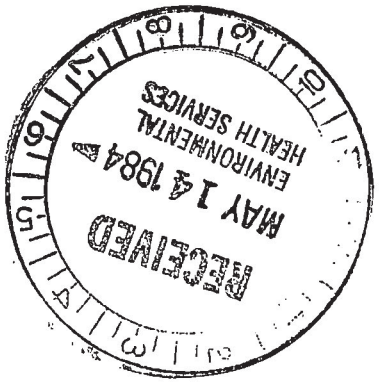
Should you have any questions regarding the application, please contact Mr. Robert Lugo at (714) 987-2561.

E. F. Ryan
Manager
Etiwanda Generating Station

RJL:rs

Attachment

cc: C. Alcaino


RECEIVED
MAY 14 1984
ENVIRONMENTAL
HEALTH SERVICES

FA0002943

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number 023727783 JJK

5. Generator's Name and Mailing Address | Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name | U.S. EPA ID Number

7. Transporter 2 Company Name | U.S. EPA ID Number

8. Designated Facility Name and Site Address | U.S. EPA ID Number

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. UN3264, Waste Corrosive Liquid, Acidic, Inorganic, N.O.S. (Lactic), 8, PG II	1		20		D002
	2.	1		10		
	3.	1		450		
	4. UN 3264, Waste Corrosive Liquid, Acidic, Inorganic, N.O.S. (Lactic), 8, PG II	1	DF	25	P	D002

GENERATOR

14. Special Handling Instructions and Additional Information

4) EPA WP 6355011745 OF

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: JIM FANKA | Signature | Month 01 | Day 12 | Year 23

TRANSPORTER INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. | 2. | 3. | 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete. GENERATOR'S INITIAL COPY

FINAL MANIFESTS
8996 Etiwanda Ave
RC

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number: CAR000038158
2. Page 1 of: 1
3. Emergency Response Phone: (800) 424-9300
4. Manifest Tracking Number: 020281173 JJK

5. Generator's Name and Mailing Address: ~~ETIWANDA GENERATING STATION~~ ETIWANDA COMMERCE CTR, LP
4675 MACARTHUR CT STE 625
NEWPORT BEACH CA 92660

Generator's Site Address (if different than mailing address): ETIWANDA Generating Station
8996 ETIWANDA BLVD
RANCHO CUCAMONGA CA 91739

Generator's Phone: 949 795 6272

6. Transporter 1 Company Name: WORLD OIL ENVIRONMENTAL SERVICES
U.S. EPA ID Number: CAD028277036

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address: WORLD OIL RECYCLING
2000 NORTH ALAMEDA STREET
COMPTON CA 90222
U.S. EPA ID Number: CAT080013352

Facility's Phone: (310)537-7100

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
	1. NON-RCRA HAZARDOUS WASTE, LIQUID HYDRAULIC FLUID	2	DM	90	GL	223
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
EMERGENCY CONTACT - CHEMTREC 1-800-424-9300 WOES TERMINAL FONTANA NAERG# 9B1 - 171 * PROFILE # 9B1
513229-2/3 * APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT 9B1:2x550TM 550-009036 19 JI

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: JIM ~~KOMNA~~ ETIWANDA COMMERCE CTR — Signature — Month 02 Day 10 Year 23

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: RAMON PENA — Signature — Month 02 Day 10 Year 23

Transporter 2 Printed/Typed Name — Signature — Month Day Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
Printed/Typed Name — Signature — Month Day Year

Form 8700-22 (Rev. 12-17). Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number: 023728048 JJK

5. Generator's Name and Mailing Address | Generator's Site Address (if different than mailing address)

Generator's Phone: | U.S. EPA ID Number

6. Transporter 1 Company Name | U.S. EPA ID Number

7. Transporter 2 Company Name | U.S. EPA ID Number

8. Designated Facility Name and Site Address | U.S. EPA ID Number

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1. Non RCRA Hazardous Waste Liquid (Caustic Only)	6	DM	330	G			
	2. Non RCRA Hazardous Waste Liquid, Toxic (Caustic Only)	3	DM	120	P			
	3. NON RCRA HAZARDOUS WASTE LIQUID (Oily Water)	1	DM	55	G	223		
	4.							

14. Special Handling Instructions and Additional Information

9.03 Pan Filter 1X55DM

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month | Day | Year

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. | 2. | 3. | 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

GENERATOR'S INITIAL COPY

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator ID Number | 2. Page 1 of | 3. Emergency Response Phone | 4. Manifest Tracking Number: 023727782 JJK

5. Generator's Name and Mailing Address | Generator's Site Address (if different than mailing address)

Generator's Phone: | U.S. EPA ID Number

6. Transporter 1 Company Name | U.S. EPA ID Number

7. Transporter 2 Company Name | U.S. EPA ID Number

8. Designated Facility Name and Site Address | U.S. EPA ID Number

Facility's Phone:

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
	1.	1		100				
	2.	5		850				
	3.							
	4.	1	DM	300	P			

14. Special Handling Instructions and Additional Information

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name | Signature | Month 01 | Day 12 | Year 23

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name | Signature | Month 1 | Day 12 | Year 23

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. | 2. | 3. | 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

GENERATOR | TRANSPORTER | INT'L | DESIGNATED FACILITY

EPA Form 8700-22 (Rev. 12-17) Previous editions are obsolete.

GENERATOR'S INITIAL COP

Form Approved. OMB No. 2050-0039

Please print or type.

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Manifest Tracking Number 023727781 JJK

5. Generator's Name and Mailing Address

Generator's Site Address (if different than mailing address)

Generator's Phone:

U.S. EPA ID Number

6. Transporter 1 Company Name

U.S. EPA ID Number

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address

Facility's Phone:

U.S. EPA ID Number

9a HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. [illegible] WASTE [illegible]	3		900		9		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information

3X55 Dm

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name	Signature	Month	Day	Year
[illegible]		01	12	23

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:

Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year

Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name	Signature	Month	Day	Year

[illegible] editions are obsolete.

GENERATOR | TRANSPORTER | INT'L | DESIGNATED FACILITY

Bin # 20-06

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST	1. Generator ID Number CAR000078158	2. Page 1 of 1	3. Emergency Response Phone 619 443-6193	4. Manifest Tracking Number 02516607 6 JJK

5. Generator's Name and Mailing Address
BTC III Etiwanda Commerce Center LP
4675 MacArthur Ct, Suite 625
Newport Beach, CA 92660 (949) 392-4973

Generator's Site Address (if different than mailing address)
8996 Etiwanda Avenue
Rancho Cucamonga, CA 91739

Generator's Phone:

6. Transporter 1 Company Name
RUST AND SONS TRUCKING, INC.

U.S. EPA ID Number
CAR000187922

7. Transporter 2 Company Name

U.S. EPA ID Number

8. Designated Facility Name and Site Address
U.S. Ecology, Beatty, NV
HWY 95 South-11 miles South of Beatty, NV
Beatty, NV 89003

U.S. EPA ID Number
NVT330010000

Facility's Phone: 800-239-3943

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes		
X	1. UN3077, Environmentally hazardous substances, solid, n.o.s. (Debris with Polychlorinated Biphenyls) 9, PGIII, RQ	1	CM	1589	K	261		
	2.							
	3.							
	4.							

14. Special Handling Instructions and Additional Information
South Coast Air Quality District. 21865 Copley Drive. Diamond Bar, CA 91765. (909) 396-2000
EPA Region 9. 75 Hawthorne Street. San Francisco, CA 94105. (415) 744-1305
PROFILE# 070323477-0 Earliest Date of Removal 12/19/2022 51 ppm Bin # 1

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent.
I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Offeror's Printed/Typed Name: Agent for BTC III Jim Ferma Etiwanda Commerce Ctr | Signature | Month 12 | Day 19 | Year 22

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: BRANDON NUT | Signature | Month 12 | Day 19 | Year 22

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

18b. Alternate Facility (or Generator) U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)

1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

Previous editions are obsolete.

GENERATOR

TRANSPORTER INT'L

CUPA

San Bernardino County Fire Department • Hazardous Materials Division

620 South "E" Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

CUPA COMPLIANCE INSPECTION REPORT

NAME: **ETIWANDA GENERATING STATION** FACILITY ID: **FA0002943**

ADDRESS: **8996 ETIWANDA AVE** CERS ID: **10038976**

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739** INSPECTION DATE: **12/1/2021**

Consent granted by:

[X] **Photograph** [X] **Inspect** **Name:** Sheila Reilly **Title:** Senior Consultant

An inspection was conducted on 12/1/2021 to determine compliance with applicable hazardous materials, hazardous waste and Aboveground Petroleum Storage Act (APSA) laws and regulations. The facility escort were Sheila Reilly, Senior Consultant and James Ferrara, Principal Consultant.

This facility is a decommissioned power plant in deconstruction phase. The facility handles hazardous materials such as diesel fuel and asbestos. Hazardous wastes are generated from equipment removal activities.

Inventory:

- The inventory observed at the time of the inspection was consistent with the inventory reported in CERS on 11/22/2021.

Document Review:

- CUPA permits were current. Expiration date: 9/30/2021. Permit will be updated to reflect current activities.
- A Hazardous Materials Business Plan was submitted to the California Environmental Reporting System (CERS) on 11/22/2021.
- Training relating to hazardous materials and hazardous waste has been provided annually.
- EPA ID number CAR000038158 was active. Patriot, Network Recycling USA CAN were the hazardous waste haulers. BDC Specialty Waste Services was the asbestos waste hauler. Facility generates more than 1,000 kg of RCRA hazardous waste per month.
- A Spill Prevention Controls and Countermeasure (SPCC) plan is not required for construction site. Daily inspections are conducted.

For questions regarding this report please contact Mark Bechel at (909) 386-8401 or mbechel@sbcfire.org.

CERS Helpline 909-386-8432

No violations were observed at the time of the inspection.

Refer to Title 19 and Title 22 of the California Code of Regulations (CCR), Chapters 6.5, 6.67 and 6.95 of the California Health Safety Code (CHSC), and Division 3 of Title 2 of the San Bernardino County Code (SBCC). The following lines marked in the V column are violations that must be corrected.

VIOLATION CODE	DESCRIPTION	SECTION		V
42	**HMRRP (HAZARDOUS MATERIALS HANDLER)**			
H201	Hazardous Material Handler Permit Current	SBCC	23.0602(a)	
H202	Hazardous Materials Business Plan Established and Implemented	CHSC	25507	
H203	Hazardous Materials Business Plan Submittal	CHSC	25505, 25508(a)(1)	
H204	Immediately Report Any Release or Threatened Release of a Hazardous Material		Multiple	
H205	Facility Access for Inspection Granted	CHSC	25511	
H206	Business Plan Annual Review/Certification	CHSC	25508.2	
H209	Business Plan Update Within 30 days of Change	CHSC	25508.1(a)-(f)	
H210	Business Activities Page and/or Business Owner/Operator Identification Page		Multiple	
H211	Hazardous Materials Inventory	CHSC	Multiple	
H212	Site Map	CHSC	Multiple	
H213	Emergency Response Plan		Multiple	
H214	Training Program not Included and/or is Not Adequate		Multiple	
H215	Training Not Provided and/or Documented	CHSC	25505(a)(4)	
H216	Hazardous Materials Business Plan Readily Available	CHSC	25505(c)	
H220	Property Owner Notification	CHSC	25505.1	
H221	Property Owner Business Plan	CHSC	25505.1	

H222	Agricultural Handler Emergency Respo[illegible]an	CHSC	25508(a)(1), 25507.1	
H223	Agricultural Handler Training Program	CHSC	25508(a)(1), 25507.1	
H224	Remote Unstaffed Facility	CHSC	25505,25506,25507.2,255	
H225	Agricultural Handlers Warning Signs-Signs Posted		Multiple	

VIOLATION CODE	DESCRIPTION	SECTION		V
43	**HAZARDOUS WASTE GENERATOR (RCRA-LQG)**		-	
R301	RCRA: Hazardous Waste Generator CUPA Permit	SBCC	23.0602	
R302	RCRA: Facility Access for Inspection	CHSC	25185	
R303	RCRA: Hazardous Waste Determination	CCR	66262.11	
R304	RCRA: EPA ID Number	CCR	66262.12	
R306	RCRA: Facility Maintained to Prevent Fire/Explosion/Release	CCR	66262.34(a)(4), 66265.31	
R307	RCRA: Contingency Plan	CCR	66262.34(a)(4); 66265.51	
R308	RCRA: Contingency Plan Copies	CCR	66262.34(a)(4), 66265.53	
R309	RCRA: Contingency Plan Emergency Action Plan	CCR	66262.34(a)(4), 66265.52	
R310	RCRA: Hazardous Waste Labeling Standards	CCR	66262.34(f)	
R311	RCRA: Hazardous Waste Generator: Hazardous Waste Tank Label	CCR	66262.34(f)	
R313	RCRA: Hazardous Waste Accumulation Time Exceeded	CCR	66262.34(a)	
R314	RCRA: Container in Poor Condition or Damaged	CCR	Multiple	
R316	RCRA: Open Hazardous Waste Container	CCR	66262.34(a)(1), 66265.17	
R317	RCRA: Hazardous Waste Generator: Empty Containers >5 Gallons	CCR	66261.7	
R318	Met all hazardous waste tank system closure requirements	CCR	Multiple	
R320	RCRA: Hazardous Waste Tank Inspections	CCR	Multiple	
R321	RCRA: Hazardous Waste Tank Cathodic Inspection	CCR	66262.34(a), 66265.195(b	
R322	Reusable Soiled Textile Materials	CHSC	25144.6 (b)	
R323	RCRA: Hazardous Waste Tank Equipment Replacement	CCR	Multiple	
R324	RCRA: Reactive and Ignitable Waste 50 ft from Property Line	CCR	Multiple	
R325	RCRA: Hazardous Waste Tank Release	CCR	66262.34(a)(1), 66265.19	
R326	Maintaining records of waste determination for three years	CCR	66262.40(c)	
R327	RCRA: Hazardous Waste Manifest Not Sent to DTSC		Multiple	
R328	RCRA: Hazardous Waste Disposal Documentation	CCR	66262.40(a)	
R329	RCRA: Hazardous Waste Manifest Exception Requirement	CCR	66262.42	
R330	RCRA: Preparation of the Hazardous Waste Manifest	CCR	66262.20	
R331	RCRA: Employee Hazardous Waste Training	CCR	66262.34(a)(4), 66265.16	
R332	Source Reduction Report	CCR	67100.7, 67100.8	
R333	Summary Progress Report	CCR	67100.9	
R334	Source Reduction Plan		Multiple	
R335	RCRA: Hazardous Waste Manifest Completeness	CCR	66262.23(a)	
R336	Contamination of Used Oil	CHSC	25250.7(a)	
R337	Consolidated Manifest	CHSC	25160.2	
R338	RCRA: Weekly Hazardous Waste Storage Areas Inspection	CCR	66262.34(a), 66265.174	
R339	RCRA: Biennial Report	CCR	66262.40(b), 66262.41	
R340	Management of Spent Vehicle Lead-Acid Batteries	CCR	66266.81(a)(1)	
R341	Management of 11 or More Spent Vehicle Lead-Acid Batteries	CCR	66266.81(a)(3)	
R342	Damaged Lead Battery Handling	CCR	66266.81(b)	
R343	Lead Battery Disposal Documentation	CCR	66266.81(a)(4)(B)	
R344	Used Oil Filter and Fuel Filter Handling Requirements		Multiple	
R345	RCRA: Hazardous Waste Container Incompatible with Material Stored	CCR	66262.34(a), 66265.172	
R346	Improper Disposal of Hazardous Waste	CHSC	25189.5(a)	
R348	RCRA: Hazardous Waste Transported by Registered Hauler	CHSC	6.5 25163(a)	
R349	RCRA: Aisle Space	CCR	66265.35	
R350	RCRA: New Hazardous Waste Tank System P.E. Certification	CCR	66265.192(a)	
R351	Reassessment for Hazardous Waste Tank System P.E. Certification	CCR	Multiple	
R352	RCRA: New Tank Assessment Standards	CCR	Multiple	
R353	RCRA: Hazardous Waste Tank Standards	CCR	66262.34(a)(1), 66265.19	
R354	RCRA: Secondary Containment	CCR	66265.193	
R355	RCRA: Hazardous Waste Generator: Satellite Accumulation	CCR	66262.34(e)	
R356	Excluded Recyclable Materials Report	CHSC	25143.10	
R357	Recyclable Materials	CHSC	25143.2, 25143.9	
R358	Remote Consolidation: Notification	CHSC	25110.10(d)	
R359	General: Electronic data	CHSC	25404(e)(4)	
R368	RCRA: Incompatible Waste Storage	CCR	Multiple	
R370	RCRA: Air Emissions for Waste in Containers	CCR	66262.34(a)(1), 66265.17	

R371	RCRA: Air Emissions for wastes in Tan	CCR	66262.34(a)(1), 66265.20	
R372	RCRA: Drip Pad Requirements	CCR	Multiple	
R373	Used Oil Certification Form	CHSC	Multiple	
R376	Laboratory Accumulation Area	CHSC	25200.3.1(b)	
R377	Laboratory Waste Treatment	CHSC	25200.3.1 (c)	
R378	Quarantine Order	CHSC	25187.6	
R380	Emergency Coordinator	CCR	66262.34(a)(4);66265.55	
R381	RCRA: Facility Emergency Equipment	CCR	66262.34(a)(4), 66265.32	
R382	RCRA: Emergency Equipment Maintenance	CCR	66262.34(a)(4), 66265.33	
R390	RCRA: Land Disposal Restriction	CCR	66262.34(a)(4), 66268.7(a	
R501	Certified Appliance Recyclers: Certification	CHSC	25211.4	
R502	Certified Appliance Recyclers: Documentation	CHSC	25211.2, 25211.3	
R504	Certified Appliance Recyclers: MRSH properly managed	CHSC	25212	
R901	Universal Waste Handler: Permit	SBCC	23.0602	
R902	Universal Waste Handler: Labeling Requirements	CCR	66273.34	
R903	Universal Waste Handler: Accumulation Time	CCR	66273.35	
R904	Universal Waste Handler: Employee Training	CCR	66273.36	
R907	Universal Waste: Accumulation of Aerosol Cans	CHSC	25201.16(f)	
R908	Universal Waste: Handling of Aerosol Cans	CHSC	25201.16(e)	
R911	Universal Waste Handler: Department Notification	CCR	66273.32(c),(e)	
R912	Universal Waste Handler: Annual Report	CCR	66273.32(d),(f)	
R913	Universal Waste Handler: Release	CCR	66273.33.5, 66273.336.6	
R914	Universal Waste Handler: USEPA Notification	CCR	66273.32(a)	
R915	Universal Waste: Exporting Notification	CCR	66273.40(a)(2)-(4)	
R920	Universal Waste Handler: Illegal Disposal	CCR	66273.31(a), 66273.8(b)	

INSPECTED BY:

MARK BECHEL

INSPECTOR NAME#8080427-UI

RECEIVED BY:

Sheila Reilly

NAME

INSPECTION DATE: 12/01/2021

Signature Date Time: 12/1/21 10:12:27AM

LTR:12/1/2021 10:02:32AM

Senior Consultant

TITLE

REPORT DATE: 12/1/21 10:14 am

This report shall serve as a notice to comply for minor violations and a notice of violation for all other violations. THE VIOLATIONS NOTED IN THIS REPORT MUST BE CORRECTED WITHIN 30 DAYS UNLESS OTHERWISE SPECIFIED. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

PHOTO NARRATIVE

PHOTO 1



PHOTO 2



Facility/Case Name: Etiwanda Generating Station

Facility ID #: FA0002943

Address: 8996 Etiwanda AVE, Rancho Cucamonga, CA 91739

1) Description: Front of the facility.

2) Description: Hazardous waste storage area.

Date Taken:
12/1/2021

Taken By: Mark Bechel

Signature: Mark Bechel

SAN B RNARDINO COUNTY FIRE D 'ARTMENT

SOURCE - FACILITY RELEASE REPORT

SITE LOCATION: **8996 ETIWANDA AVE., RANCHO CUCAMONGA**
RELATED ID:

RECORD ID: **CO0035782**
ACCOUNT ID: **AR0002943**

FACILITY INFO

FACILITY: **FA0002943**
FACILITY NAME: **ETIWANDA GENERATING STATION**
FACILITY ADDRESS: **8996 ETIWANDA AVE**
CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP: **91739**

CONTACT

COMPLAINT

COMPLAINANT: **STEVE WILLIAMS - ERM**
ADDRESS:
CITY:
COUNTRY: **US** STATE: ZIP:
WORK PHONE: **949-294-0835** EXT:
HOME PHONE: EXT:
FAX:
EMAIL ADDRESS:

DISPOSITION

RECEIVED BY: **GERRIT KOVACH**
RECEIVED DATE: **07/24/2021** RECEIVED TIME: **11:56:00**
ASSIGNED TO:
ASSIGNED DATE: ASSIGNED TIME:
STATUS: **CLOSED**
PROGRAM ELEMENT:

NFORMATION

PROPERTY INFO

PROP NAME: **ETIWANDA GENERATING STATION**
BUS NAME: **ETIWANDA GENERATING STATION**
ADDRESS: **8996 ETIWANDA AVE**
2nd ADDRESS:
CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP: **91739**
COUNTRY:
PHONE 1: **909-899-7260** EXT:

OWNER'S INFO

OWNER NAME: **GenOn California South, LP**
BUSINESS NAME: **ETIWANDA GENERATING STATION**
ADDRESS: **8996 ETIWANDA AVE**
2ND ADDRESS:
CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP: **91739--917**
HOME PHONE: **909-899-7260** EXT:
WORK PHONE: **805-986-7291** EXT:

LOCATION

LOCATION

CENSUS:
DISTRICT: **DISTRICT 2**
LOCATION: **DISTRICT 2**
CITY CODE: **RANCHO CUCAMONGA**
JURISDICTION: **R C FIRE**
PROPERTY TYPE: **PRIVATE PROPERTY**
INSPECTION CODE:
APN: **022928328000**

ER INFO (UDF)

OES NUMBER: **21-3964** HOURS:
INCIDENT TYPE: **RELEASE / PERMITTED FACILITY**
ENVIRONMENT TYPE: **FACILITY SITE - PERMITTED**
REFERRAL AGENCY: REFERRAL DATE:
HAULER'S NAME:
NUMBER HOSPITALIZED:
CHEMICAL INFO 1: **NON PCB MINERAL OIL** CHEMICAL INFO:
AGENCY NOTIFICATION:
DRUG LAB:
E/R TEAM RESPONDED:
COST RECOVERY:

RESPONDING AGENCY 1:
RESPONDING AGENCY 2:
RESPONDER 1:
RESPONDER 2:
RESPONDER 3:
RESPONDER 4:

RELEASED ☐ CONTAINED ☐ REMOVED ☐

SUSPECT

PARTY NAME: DOB:
COMPANY NAME: PHONE: EXT:
ADDRESS: LICENSE NUMBER:

INSPECTED/RESOLVED

EMPLOYEE: **DONNA WISE** RESOLVE DATE: **07/26/2021** REQUIRES FURTHER ACTION ☐

PERMIT INFORMATION

PERMITS CURRENT? YES or NO

RECORD ID	PE	PERMIT STATUS	ISSUANCE STATUS	FROM DATE	TO DATE
PT0002262	CE ANNUAL FEE	INACTIVE			
PT0002263	SMALL QUANTITY GENERATOR	ACTIVE			
PT0002264	HAZARDOUS MATERIALS 11-30 CHEMICALS	ACTIVE			
PT0002265	APSA 1,320-10,000 GAL FAC CAPACITY	INACTIVE			
PT0013929	CALARP FACILITY PERMIT	INACTIVE			
PT0013930	CALARP STATE FEE	INACTIVE			
PT0013931	EPCRA FACILITY	INACTIVE			
PT0015103	RMP INSPECTION - PROGRAM 1	INACTIVE			
PT0038095	RCRA LARGE QUANTITY GENERATOR	INACTIVE			

COMPLAINT DESCRIPTION: HMR TIFICATION ONLY:

20 - 40 GAL RELEASE OF NON PCB MINERAL OIL

BLUE BOOK COMMENT

ENTERED BY: **DONNA WISE**	ENTERED DATE: **07/26/2021**	UPDATED BY:	UPDATED DATE

DATE: 7/24/21 AT 1156 AM
INCIDENT LOCATION: 8996 ETIWANDA AVENUE, RANCHO CUCAMONGA, CA91739
OES #: 21-3964
BDC#: 21-174187
COMPLAINANT/REPORTING OR REQUESTING PARTY: STEVE WILLIAMS, ERM
COMPLAINANT ADDRESS/PHONE NUMBER: 949-294-0835
COMPLAINT: NOTIFICATION OF RELEASE

NARRATIVE: RECEIVED NOTIFICATION FROM COMM CENTER INDICATING A RELEASE FROM AN OIL TANK AND THAT DIRT WAS EXCAVATED FOR A CLEANUP. CONTACTED COMM CENTER AND OBTAINED CONTACT INFORMATION FOR STEVE WILLIAMS COMM CENTER INDICATED THAT NO OES NUMBER HAD YET BEEN GENERATED I CONTACTED STEVE WILLIAMS FOR ERM WHO INFORMED ME THAT DURING A CLEAN-UP OF A SITE A FORKLIFT PUNCTURED A TRANSFORMER THAT STILL HAD NON PCB OIL IN THE TANK (ABOUT 20-40 GALLONS). THE SPILL WAS CONTAINED WITH DIRT AND THEY ARE WAITING FOR A PROFILE TO COME BACK FOR DISPOSAL BY SILVERADO. STEVE INFORMED ME THAT THIS OCCURRED ON THURSDAY JULY22 AND THAT AN OES SPILL REPORT HAD NOT YET BEEN GENERATED. I INSTRUCTED STEVE TO IMMEDIATELY REPORT THE SPILL SPILL NUMBER OBTAINED AFTER PHONE CALL OES21-3964. I INFORMED STEVE THAT THESE NEED TO BE REPORTED IMMEDIATELY UPON DISCOVERY AND THAT THEY CAN BE AMENDED LATER STEVE INDICATED THAT ANY OTHER SPILL WILL BE IMMEDIATELY REPORTED IN THE FUTURE. NOTIFICATION ONLY OES21-3964. NO WATERWAYS OR STORM DRAINS WERE IMPACTED

(GERRIT KOVACH)

Monday, July 26, 2021 12:51 PM - DONNA WISE

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org
CUPA COMPLIANCE INSPECTION REPORT

NAME: **ETIWANDA GENERATING STATION** FACILITY ID: **FA0002943**

ADDRESS: **8996 ETIWANDA AVE** CERS ID:**10038976**

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739** INSPECTION DATE: **1/10/2019**

Consent granted by:

☐ **photograph** ☒ **inspect** **Name:** JEFF EDWARDS **Title:** SAFETY & ENVIRONMENTAL SPECIALIS

An inspection was conducted on 1/10/19 to determine permit status of the facility. The facility escorts were Jeff Edwards, Safety & Environmental Specialist, Wendy Sanders, Senior Engineer, Rachel Kolenko, Staff Geologist.

This facility was a power generating plant. The facility is in a closure phase and has submitted a closure plan to San Bernardino County Fire CUPA and to Rancho Fire. Hazardous materials such as lead acid batteries and transformer oil remain onsite. Hazardous wastes are generated from site closure activities.

Inventory:

- The inventory observed at the time of the inspection was consistent with the inventory reported in CERS on 12/5/18.

Document Review and Notes:

- CUPA permits were current. Expiration date: 9/30/19. The number of hazardous materials onsite have been reduced as well as the amount of hazardous waste routinely generated. The permits will be adjusted to reflect the current business activities.
- A Hazardous Materials Business Plan was submitted to the California Environmental Reporting System (CERS) on 12/5/18. Business plans was last updated on 1/10/19.
- Training relating to hazardous materials, hazardous waste has been provided annually.
- EPA ID Number CAR000038158 was active. Facility generates less than 2,200 pounds of hazardous waste per month.

For questions regarding this report please contact Mark Bechel at (909) 386-8401 or mbechel@sbcfire.org.

CERS Helpline 909-386-8432

Refer to Title 19 and Title 22 of the California Code of Regulations (CCR), Chapters 6.5, 6.67 and 6.95 of the California Health Safety Code (CHSC), and Division 3 of Title 2 of the San Bernardino County Code (SBCC). The following lines marked in the V column are violations that must be corrected.

VIOLATION CODE	DESCRIPTION	SECTION		V	
40	**ABOVE GROUND PETROLEUM STORAGE TANK(SPCC)**				
A101	APSA Fee	CHSC	25270.6(b)		
A102	Annual Tank Facility Statement or Business Plan	CHSC	25270.6(a)(1), 25270.6(a)		
A103	Release Reporting	CHSC	25270.8		
A110	SPCC Plan Prepared	CHSC	25270.4.5(a)		
A111	Implementation of SPCC Plan	CHSC	25270.4.5(a)		
A113	Qualified Facility - Certification of SPCC Plan	CHSC	25270.4.5(a)		
A114	Tier I - Certification of Technical Amendments	CHSC	25270.4.5(a)		
A115	Tier I - Overfill prevention	CHSC	25270.4.5(a)		
A116	Tier I - Bulk storage container sized secondary containment	CHSC	25270.4.5(a)		
A117	SPCC Plan complete	CHSC	25270.4.5(a)		
A118	Tier I - Overfill prevention	CHSC	25270.4.5(a)		
A119	Tier I - Failure Analysis-Direction and Amount of Flow	CHSC	25270.4.5(a)		
A120	SPCC Plan available onsite	CHSC	25270.4.5(a)		
A121	Five-year SPCC Plan Review and Documentation of the Review	CHSC	25270.4.5 (a)		
A122	SPCC plan amended as necessary	CHSC	25270.4.5(a)		
A123	Implementation of SPCC Plan Amendments	CHSC	25270.4.5(a)		
A124	SPCC Plan meets basic requirements	CHSC	25270.4.5(a)		
A125	SPCC Plan Discussion of Conformance with Requirements	CHSC	25270.4.5(a)		
A126	Designated Person	CHSC	25270.4.5(a)		
A130	Facility Description	CHSC	25270.4.5(a)		
A131	Discharge prevention measures	CHSC	25270.4.5(a)		
A132	Countermeasures for discharge discovery, response, and cleanup	CHSC	25270.4.5(a)		
A133	Discharge reporting procedures	CHSC	25270.4.5(a);		

A134	Discharge response procedures	CHSC	25270.4.5(a)		
A135	General Containment Description	CHSC	25270.4.5(a)		
A136	Oil type and storage capacity of storage containers	CHSC	25270.4.5(a)		
A137	Bulk Storage Containers	CHSC	25270.4.5(a)		
A138	Tanks compatible with stored materials	CHSC	25270.4.5(a)		
A139	Permanently Closed Tanks	CHSC	25270.4.5(a)		
A140	General Containment	CHSC	25270.4.5(a)		
A141	Containment for qualified oil-filled operational equipment	CHSC	25270.4.5(a)		
A142	Leaks immediately addressed and oil promptly removed	CHSC	25270.4.5(a)		
A143	Integrity testing and inspection procedures	CHSC	25270.4.5(a)		
A144	Tanks Inspected and/or Integrity Tested	CHSC	25270.4.5(a)		
A145	Tanks inspected and/or tested by qualified person	CHSC	25270.4.5(a)		
A146	Employee training requirements	CHSC	25270.4.5(a)		
A147	Spill prevention briefings	CHSC	25270.4.5(a)		
A148	Employee Training and Spill Prevention Briefings Description	CHSC	25270.4.5(a)		
A149	Written records of tank inspections and integrity testing	CHSC	25270.4.5(a)		
A150	Facility Security Description	CHSC	25270.4.5(a)		
A151	Facility security measures	CHSC	25270.4.5(a)		
A152	Facility drainage adequately discussed	CHSC	25270.4.5(a)		
A153	Drainage from diked storage areas	CHSC	25270.4.5(a)		
A154	Valves for Drainage of Diked Areas	CHSC	25270.4.5(a)		
A155	Drainage inspections and valves	CHSC	25270.4.5(a)		
A156	Drainage records	CHSC	25270.4.5(a)		
A157	Corrosion Protection	CHSC	25270.4.5(a)		
A158	Inspection of Aboveground Piping	CHSC	25270.4.5(a)		
A159	Testing of Buried Piping	CHSC	25270.4.5(a)		
A161	Conditions of a Qualified Facility	CHSC	25270.4.5(a)		
A166	Secondary Containment and Leak Detection for TIUGA Piping		Multiple		
A202	Tier II - Certification of Alternative Measures by Professional Engineer	CHSC	25270.4.5(a)		
A203	Tier II - Professional Engineer Attestations	CHSC	25270.4.5(a)		
A204	Tier II - Certification of Technical Amendments	CHSC	25270.4.5(a)		
A210	SPCC contains an adequate facility diagram	CHSC	25270.4.5(a)		
A211	Disposal methods	CHSC	25270.4.5(a)		
A212	Discharge Prediction	CHSC	25270.4.5(a)		
A213	Equivalent environmental protection	CHSC	25270.4.5(a)		
A214	Impracticability claims of appropriate containment clearly explained and certified	CHSC	25270.4.5(a)		
A215	Secondary Containment Impracticability- Testing	CHSC	25270.4.5(a)		
A216	Oil spill contingency plan prepared when claiming impracticability	CHSC	25270.4.5(a)		
A217	Written commitment of manpower, equipment, materials when claiming impracticability	CHSC	25270.4.5(a)		
A218	Overfill Prevention	CHSC	25270.4.5(a)		
A220	SPCC adequately discusses facility tank car and tank truck loading/unloading rack	CHSC	25270.4.5(a)		
A221	Secondary containment at loading/unloading racks	CHSC	25270.4.5(a)		
A222	Warning to prevent vehicular departure at loading/unloading rack	CHSC	25270.4.5(a)		
A224	Lift Pumps for Treated Drainage Water	CHSC	25270.4.5(a)		
A225	Sized secondary containment	CHSC	25270.4.5(a)		
A226	Mobile or portable storage container positioning and sized containment	CHSC	25270.4.5(a)		
A227	Mobile or portable tank positioning	CHSC	25270.4.5(a)		
A228	Drainage from undiked areas	CHSC	25270.4.5(a)		
A229	Diked areas sufficiently impervious to oil	CHSC	25270.4.5(a)		
A230	Steam Return/Exhaust Monitored	CHSC	25270.4.5(a)		
A231	Risk Analysis- Field constructed tanks	CHSC	25270.4.5(a)		
A232	Overfill Prevention Implementation	CHSC	25270.4.5(a)		
A233	Liquid level sensing devices tested	CHSC	25270.4.5(a)		
A234	Observation of Effluent Discharge to Navigable Waters	CHSC	25270.4.5(a)		
A235	Inspection and/or Repair of Buried Piping	CHSC	25270.4.5(a)		
A236	Protection of Buried Piping	CHSC	25270.4.5(a)		
A237	Standby piping	CHSC	25270.4.5(a)		
A238	Pipe supports	CHSC	25270.4.5(a)		
A239	Warning to Vehicles About Aboveground Piping	CHSC	25270.4.5(a)		
A301	Professional engineer certification	CHSC	25270.4.5(a)		
A302	Professional engineer attestations	CHSC	25270.4.5(a)		
A303	Professional engineer certification of technical amendments	CHSC	25270.4.5(a)		

A304	Substantial Harm Criteria	CHSC	25270.4.5(a)		
A401	Conditionally Exempt Facility Conditions	CHSC	25270.4.5(b)		

VIOLATION CODE	DESCRIPTION	SECTION		V	
42	**HMRRP (HAZARDOUS MATERIALS HANDLER)**				
H201	Hazardous Material Handler Permit Current	SBCC	23.0602(a)		
H202	Hazardous Materials Business Plan Established and Implemented	CHSC	25507		
H203	Hazardous Materials Business Plan Submittal	CHSC	25505, 25508(a)(1)		
H204	Immediately report any release or threatened release of a hazardous material	CHSC	25510(a)		
H205	Facility access for inspection granted	CHSC	25511		
H206	Business Plan Annual Review/Certification	CHSC	25508(a)(1), 25508.2		
H209	Business plan update within 30 days of change	CHSC	25508.1(a)-(f)		
H210	Business Activities Page and/or Business Owner/Operator Identification Page	CHSC	25508(a)(1)		
H211	Hazardous materials inventory	CHSC	25505, 25506, 25508		
H212	Site map	CHSC	25505(a)(2), 25508(a)(1)		
H213	Emergency response plan	CHSC	25505(a)(3), 25508(a)(1)		
H214	Training Program not included and/or is not adequate		Multiple		
H215	Training Documentation	CHSC	25505(a)(4)		
H216	Business plan readily available	CHSC	25505,		
H220	Property owner notification	CHSC	25505.1		
H221	Property owner business plan	CHSC	25505.1		
H222	Agricultural handler emergency response plan	CHSC	25508(a)(1), 25507.1		
H223	Agricultural handler training program	CHSC	25508(a)(1), 25507.1		
H224	Remote unstaffed facility	CHSC	25505,25506,25507.2,255		
H225	Agricultural Handlers Warning Signs-Signs Posted		Multiple		

VIOLATION CODE	DESCRIPTION	SECTION		V	
43	**HAZARDOUS WASTE GENERATOR (RCRA-LQG)**				
R301	RCRA: Hazardous Waste Generator CUPA Permit	SBCC	23.0602		
R302	RCRA: Facility Access for Inspection	CHSC	25185		
R303	RCRA: Hazardous Waste Determination	CCR	66262.11		
R304	RCRA: EPA ID Number	CCR	66262.12		
R306	RCRA: Facility Maintained to Prevent Fire/Explosion/Release	CCR	66262.34(a)(4), 66265.31		
R307	RCRA: Contingency Plan	CCR	66262.34(a)(4), 66265.51		
R308	RCRA: Contingency Plan Copies	CCR	66262.34(a)(4), 66265.53		
R309	RCRA: Contingency Plan Emergency Action Plan	CCR	66262.34(a)(4), 66265.52		
R310	RCRA: Hazardous Waste Labeling Standards	CCR	66262.34(f)		
R311	RCRA: Hazardous Waste Generator: Hazardous Waste Tank Label	CCR	66262.34(f)		
R313	RCRA: Hazardous Waste Accumulation Time Exceeded	CCR	66262.34(a)		
R314	RCRA: Container in Poor Condition or Damaged	CCR	Multiple		
R316	RCRA: Open Hazardous Waste Container	CCR	66262.34(a)(1), 66265.17		
R317	RCRA: Hazardous Waste Generator: Empty Containers >5 Gallons	CCR	66261.7		
R320	RCRA: Hazardous Waste Tank Inspections	CCR	Multiple		
R321	RCRA: Hazardous Waste Tank Cathodic Inspection	CCR	66262.34(a), 66265.195(b		
R322	Reusable Soiled Textile Materials	CHSC	25144.6 (b)		
R323	RCRA: Hazardous Waste Tank Equipment Replacement	CCR	Multiple		
R324	RCRA: Reactive and Ignitable Waste 50 ft from Property Line	CCR	Multiple		
R325	RCRA: Hazardous Waste Tank Release	CCR	66262.34(a)(1), 66265.19		
R326	Maintaining records of test result for three years	CCR	66262.40(c)		
R327	RCRA: Hazardous Waste Manifest Not Sent to DTSC	CCR	Multiple		
R328	RCRA: Hazardous Waste Disposal Documentation	CCR	66262.40(a)		
R329	RCRA: Hazardous Waste Manifest Exception Requirement	CCR	66262.42		
R330	RCRA: Preparation of the Hazardous Waste Manifest	CCR	66262.20		
R331	RCRA: Employee Hazardous Waste Training	CCR	66262.34(a)(4), 66265.16		
R332	Source Reduction Report	CCR	67100.7, 67100.8		
R333	Summary Progress Report	CCR	67100.9		
R334	Source Reduction Plan		Multiple		
R335	RCRA: Hazardous Waste Manifest Completeness	CCR	66262.23(a)		
R336	Contamination of Used Oil	CHSC	25250.7		
R337	Consolidated Manifest	CHSC	25160.2		
R338	RCRA: Weekly Hazardous Waste Storage Areas Inspection	CCR	66262.34(a), 66265.174		
R339	RCRA: Biennial Report	CCR	66262.40(b), 66262.41		
R340	Management of Spent Vehicle Lead-Acid Batteries	CCR	66266.81(a)(1)		

R341	Management of 11 or More Spent Vehicle Lead-Acid Batteries	CCR	66266.81(a)(3)		
R342	Damaged Lead Battery Handling	CCR	66266.81(b)		
R343	Lead Battery Disposal Documentation	CCR	66266.81(a)(4)(B)		
R344	Used Oil and Fuel Filter and Handling Requirements		Multiple		
R345	RCRA: Hazardous Waste Container Incompatible with Material Stored	CCR	66262.34(a), 66265.172		
R346	Improper Disposal of Hazardous Waste	CHSC	5189.5(a), 25201(a)		
R348	RCRA: Hazardous Waste Transported by Registered Hauler		Multiple		
R349	RCRA: Aisle Space	CCR	66265.35		
R350	RCRA: New Hazardous Waste Tank System P.E. Certification	CCR	66265.192(a)		
R351	Reassessment for Hazardous Waste Tank System P.E. Certification	CCR	Multiple		
R352	RCRA: New Tank Assessment Standards	CCR	Multiple		
R353	RCRA: Hazardous Waste Tank Standards	CCR	66262.34(a)(1), 66265.19		
R354	RCRA: Secondary Containment	CCR	66265.193		
R355	RCRA: Hazardous Waste Generator: Satellite Accumulation	CCR	66262.34(e)		
R356	Excluded Recyclable Materials Report	CHSC	25143.10		
R357	Excluded Recyclable Materials	CHSC	25143.2, 25143.9		
R358	Remote Consolidation: Notification	CHSC	25110.10(d)		
R359	General: Electronic data	CHSC	25404(e)(4)		
R368	RCRA: Incompatible Waste Storage	CCR	Multiple		
R370	RCRA: Air Emissions for Waste in Containers	CCR	66262.34(a)(1), 66265.17		
R371	RCRA: Air Emissions for wastes in Tanks	CCR	66262.34(a)(1), 66265.20		
R372	RCRA: Drip Pad Requirements	CCR	Multiple		
R373	Used Oil Certification Form	CHSC	Multiple		
R374	Hazardous Waste Minimization Certification	CCR	66262.27(a)		
R376	Laboratory Waste	CHSC	25200.3.1(b)		
R377	Laboratory Waste Treatment	CHSC	25200.3.1 (c)		
R378	Quarantine Order	CHSC	25187.6		
R380	Emergency Coordinator	CCR	66262.34(a)(4);66265.55		
R381	RCRA: Facility Emergency Equipment	CCR	66262.34(a)(4), 66265.32		
R382	RCRA: Emergency Equipment Maintenance	CCR	66262.34(a)(4), 66265.33		
R390	RCRA: Land Disposal Restriction	CCR	66262.34(a)(4), 66268.7(a		
R501	Certified Appliance Recyclers: Certification	CHSC	25211.4		
R502	Certified Appliance Recyclers: Documentation	CHSC	25211.2, 25211.3		
R504	Certified Appliance Recyclers: MRSH properly managed	CHSC	25211.3,25212,25212(c)		
R902	Universal Waste Handler: Labeling Requirements	CCR	66273.34		
R903	Universal Waste Handler: Accumulation Time	CCR	66273.35		
R904	Universal Waste Handler: Employee Training	CCR	66273.36		
R907	Universal Waste: Accumulation of Aerosol Cans	CHSC	25201.16(f)		
R908	Universal Waste: Handling of Aerosol Cans	CHSC	25201.16(e)		
R909	Universal Waste Handler: Offsite Shipments	CCR	66273.38		
R911	Universal Waste Handler: Department Notification	CCR	66273.32(c)		
R912	Universal Waste Handler: Annual Report	CCR	66273.32(d)		
R913	Universal Waste Handler: Release	CCR	66273.33.5		
R914	Universal Waste Handler: USEPA Notification	CCR	66273.32(a)		
R915	Universal Waste: Exporting Notification	CCR	66273.40(a)(3) and (4)		
R920	Universal Waste Handler: Illegal Disposal	CCR	66273.31(a), 66273.8(b)		

INSPECTED BY: Mark Bechel

MARK BECHEL

NAME **ICC#8080427-UI**

RECEIVED BY:

JEFF EDWARDS

NAME

INSPECTION DATE: 01/10/2019

Signature Date Time: 1/10/19 10:23:40AM

LTR:1/10/2019 10:16:30AM

EH7S

TITLE

REPORT DATE: 1/10/19 10:24 am

This report shall serve as a notice to comply for minor violations and a notice of violation for all other violations.
THE VIOLATIONS NOTED IN THIS REPORT MUST BE CORRECTED WITHIN 30 DAYS UNLESS OTHERWISE SPECIFIED. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

CUPA COMPLIANCE INSPECTION REPORT

NAME: **ETIWANDA GENERATING STATION** FACILITY ID: **FA0002943**

ADDRESS: **8996 ETIWANDA AVE** CERS ID:**10038976**

CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP CODE: **91739** INSPECTION DATE: **10/13/2017**

Inspector was given permission to: [X] photograph [X] inspect

Inspection Narrative (v020000)

An inspection was conducted on 10/13/2017 to determine compliance with hazardous materials handler, hazardous waste generator, Aboveground Petroleum Storage Act (APSA) and California Accidental Release Prevention (CalARP) Program laws and regulations. Consent to inspection and take photographs was given by Marco Tule, Environmental Specialist. Robert Rea, Operations Maintenance Manager was also present during the inspection.

This facility is an electrical generating plant which operates during high electrical usage periods to provide additional power to the grid. (2) 10,000 gallon tanks, filled to a maximum of 8,500 gallons, containing aqueous ammonia 19% are maintained on site for nitrogen oxide emission control. This facility operates a maintenance shop, a weld shop, an instrument shop, and an electric shop. The facility also maintains a battery backup power supply and a reverse osmosis and pH control water treatment system. Waste oil, filters, and soil/absorbent are generated at the facility due to equipment maintenance and repair.

Hazardous Materials and Hazardous Waste Inventory:

- The hazardous materials observed during the inspection was consistent with the inventory reported in the California Environmental Reporting System (CERS) on 2/24/2017 .

Document Review:

- CUPA permits were current. Expiration date: 9/30/2018. The facility's hazardous waste generator permit will be update to reflect a current reduction in generating status.
- A Hazardous Materials Business Plan was submitted to CERS on 1/24/2017. CERS ID # 10038976.
- Training related to hazardous materials handling and hazardous waste generating activities has been provided annually.
- EPA ID Number CAR000038158 was active. MP Environmental was the waste hauler. Facility generates approximately 5 tons of hazardous waste per month.
- A 2014 SB-14 Source Reduction Plan has been prepared.
- A 2015 Biennial Report was available for review.
- A 5-year RMP update was submitted to this Division on 10/21/2014. Offsite Consequence Analysis was conducted in 2014.
- Marco Tule, Environmental Specialist, was listed as the qualified person.
- A PE certified SPCC plan has been prepared and implemented. The most recent revision was dated 6/25/2015.
- Petroleum storage tanks larger than 5,000 gallons were tested for integrity in 2010.
- Petroleum storage tanks less than 5,000 gallons are visually inspected monthly and annually per STI SP001 standards.

CalARP:

- (2) 10,000-gallon tank of aqueous ammonia 19%, filled to a maximum of 8,500 gallons are stored on site for use in the SCR system, reducing NOX emissions. The tank is surrounded by secondary containment which can hold more than the contents of the whole tank.
- Five ammonia sensors are located around the tank and other ammonia exposure areas. Two sensors are located on top of the tanks, two sensors are located at the forwarding station inside the containment area and one sensor is located at the injection point skid. The sensors are set to product an audible/ visual alarm at 25ppm. The sensors are calibrated quarterly.

No violations were observed during the inspection.

For questions regarding this report please contact Mark Bechel at (909) 386-8401 or mbechel@sbcfire.org.
CERS Helpline 909-386-8432

The following lines marked in the V column are violations that must be corrected. Marked items in the N column require additional information to determine compliance.

VIOLATION CODE	DESCRIPTION	SECTION	V	N
40	**ABOVE GROUND PETROLEUM STORAGE TANK(SPCC)**			
A101	APSA Fee	CAL. HEALTH & SAFETY CODE 25270.6(b)		
A102	Annual Tank Facility Statement or Business Plan	CAL. HEALTH & SAFETY CODE 25270.6(a)(1), 2527		
A103	Release Reporting	CAL. HEALTH & SAFETY CODE 25270.8		
A110	SPCC Plan prepared	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A111	SPCC Plan Implemented	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A112	Tier I - SPCC Plan complete	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		

A113	Tier I - SPCC Plan certified	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A114	Tier I - Technical amendments properly certified	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A115	Tier I - Overfill prevention	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A116	Tier I- Secondary Containment for bulk storage container	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A120	SPCC Plan available onsite	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A121	SPCC Plan 5 year review	CAL. HEALTH & SAFETY CODE 25270.4.5 (a)		
A122	SPCC plan amended as necessary	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A123	SPCC Plan amendments implemented	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A124	SPCC Plan meets basic requirements	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A125	SPCC Plan Conformance Requirements	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A126	Person who reports to management designated for discharge prevention	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A130	Facility Description	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A131	Discharge prevention measures	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A132	Countermeasures for discharge discovery, response, and cleanup	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A133	Discharge reporting procedures	CAL. HEALTH & SAFETY CODE 25270.4.5(a);		
A134	Discharge response procedures	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A135	Containment/diversionary structures/equipment description	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A136	Oil type and storage capacity of storage containers	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A137	Bulk Storage Containers	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A138	Tanks compatible with stored materials	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A139	Permanently closed tanks closed appropriately	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A140	Appropriate containment	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A141	Containment for qualified oil-filled operational equipment	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A142	Leaks immediately addressed and oil promptly removed	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A143	Integrity testing and inspection procedures	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A144	Tanks properly integrity tested	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A145	Tanks inspected and/or tested by qualified person	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A146	Employee training requirements	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A147	Spill prevention briefings	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A150	Facility security documentation	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A151	Facility security measures	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A152	Facility drainage adequately discussed	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A153	Drainage from diked storage areas	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A154	Appropriate valves for drainage of diked areas	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A155	Drainage inspections and valves	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A156	Drainage records	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A157	Corrosion Protection	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A158	Aboveground piping inspections	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A159	Buried piping tested	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A160	Qualified facility # No longer meeting qualifying criteria	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A161	Conditions of a Qualified Facility	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A201	Tier II - SPCC Plan complete	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A202	Tier II - Professional engineer certification of alternative measures	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A203	Tier II - Professional engineer attestations complete	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A204	Tier II- Technical amendments properly certified	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A210	SPCC contains an adequate facility diagram	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A211	Disposal methods	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A212	Discharge Prediction	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A213	Equivalent environmental protection	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A214	Impracticability claims of appropriate containment clearly explained and certified	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A215	Secondary Containment Impracticability- Testing	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A216	Oil spill contingency plan prepared when claiming impracticability	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A217	Written commitment of manpower, equipment, materials when claiming impracticability	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A220	SPCC adequately discusses facility tank car and tank truck loading/unloading rack	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A221	Secondary containment at loading/unloading racks	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A222	Warning to prevent vehicular departure at loading/unloading rack	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A223	Inspection of drains and outlets at loading/unloading racks	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A224	Lift pumps for treatment of drainage water	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A225	Sized secondary containment	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A226	Secondary Containment Systems-Portable tanks	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A227	Mobile or portable tank positioning	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A228	Drainage from undiked areas	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		

A229	Diked areas sufficiently impervious to	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A230	Steam return/exhaust properly monitored	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A231	Risk Analysis- Field constructed tanks	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A232	Liquid level sensing devices	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A233	Liquid level sensing devices tested	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A234	Effluent treatment facilities	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A235	Buried piping inspected and/or repaired when deterioration found	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A236	Buried piping protected	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A237	Standby piping	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A238	Pipe supports	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A239	Vehicles warned about aboveground piping	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A301	Professional engineer certification	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A302	Professional engineer attestations	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A303	Professional engineer certification of technical amendments	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A304	Substantial Harm Criteria	CAL. HEALTH & SAFETY CODE 25270.4.5(a)		
A401	Conditionally exempt facility conditions met	CAL. HEALTH & SAFETY CODE 25270.4.5(b)		

VIOLATION CODE	DESCRIPTION	SECTION	V	N
42	**HMRRP (HAZARDOUS MATERIALS HANDLER)**			
H201	Hazardous Material Handler Permit Current	23.0602(a)		
H202	Hazardous Materials Business Plan Established and Implemented	CAL. HEALTH & SAFETY CODE 25507		
H203	Hazardous Materials Business Plan Submittal	CAL. HEALTH & SAFETY CODE 25505, 25508(a)(1)		
H204	Immediately report any release or threatened release of a hazardous material	CAL. HEALTH & SAFETY CODE 25510(a)		
H205	Facility access for inspection granted	CAL. HEALTH & SAFETY CODE 25511		
H206	Business Plan Annual Review/Certification	CAL. HEALTH & SAFETY CODE 25508(a)(1), 25508.		
H209	Business plan update within 30 days of change	CAL. HEALTH & SAFETY CODE 25508.1(a)-(f)		
H210	Business Activities Page and/or Business Owner/Operator Identification Page	CAL. HEALTH & SAFETY CODE 25508(a)(1)		
H211	Hazardous materials inventory	CAL. HEALTH & SAFETY CODE 25505, 25506, 2550		
H212	Site map	CAL. HEALTH & SAFETY CODE 25505(a)(2), 25508(		
H213	Emergency response plan	CAL. HEALTH & SAFETY CODE 25505(a)(3), 25508(		
H214	Training Program not included and/or is not adequate	CAL. HEALTH & SAFETY CODE 25505(a)(4), 25508(		
H215	Training Documentation	CAL. HEALTH & SAFETY CODE 25505(a)(4)		
H216	Business plan readily available	CAL. HEALTH & SAFETY CODE 25505,		
H220	Property owner notification	CAL. HEALTH & SAFETY CODE 25505.1		
H221	Property owner business plan	CAL. HEALTH & SAFETY CODE 25505.1		
H222	Agricultural handler emergency response plan	CAL. HEALTH & SAFETY CODE 25508(a)(1), 25507.		
H223	Agricultural handler training program	CAL. HEALTH & SAFETY CODE 25508(a)(1), 25507.		
H224	Remote unstaffed facility	CAL. HEALTH & SAFETY CODE 25505,25506,25507		

VIOLATION CODE	DESCRIPTION	SECTION	V	N
44	**HAZARDOUS WASTE GENERATOR**			
0101	CUPA Hazardous Waste generator permit current	S.B. COUNTY CODE 23.0602(b)(1)		
0102	Facility access for inspection	CAL. HEALTH & SAFETY CODE 25185		
0103	Hazardous Waste determination	CAL. CODE OF REGULATIONS 66262.11		
0104	EPA ID Number	CAL. CODE OF REGULATIONS 66262.12(a)		
0105	Hazardous Waste treatment/storage authorization	CAL. HEALTH & SAFETY CODE 25201(a)		
0106	Facility Operated/Maintained to Prevent Release/Fire	CAL. CODE OF REGULATIONS 66265.31		
0107	Contingency Plan established	CAL. CODE OF REGULATIONS 66265.51(a)		
0108	Recyclable Materials managed lawfully	CAL. HEALTH & SAFETY CODE 25143.2		
0110	Hazardous Waste container(s) labeled	CAL. CODE OF REGULATIONS 66262.34(f)(3)		
0111	Hazardous Waste label(s) complete	CAL. CODE OF REGULATIONS 66262.34(f)(3)		
0112	Accumulation start date	CAL. CODE OF REGULATIONS 66262.34(f)(2)		
0113	Hazardous waste accumulation time exceeded	CAL. CODE OF REGULATIONS 66262.34(a)		
0114	Hazardous Waste stored in sound containers	CAL. CODE OF REGULATIONS 66265.171		
0115	Hazardous Waste containers leaking	CAL. CODE OF REGULATIONS 66265.173(b)		
0116	Hazardous Waste containers closed	CAL. CODE OF REGULATIONS 66265.173(a)		
0117	Contaminated containers managed lawfully	CAL. CODE OF REGULATIONS 66261.7		
0118	Weekly inspection of Hazardous Waste container storage area	CAL. CODE OF REGULATIONS 66265.174		
0119	Hazardous Waste managed lawfully	CAL. HEALTH & SAFETY CODE 25154		
0120	Daily inspection of Hazardous Waste tank storage area	CAL. CODE OF REGULATIONS 66265.195		
0125	Hazardous Waste transported with a manifest	CAL. CODE OF REGULATIONS 66262.20		
0126	Hazardous Waste Manifest complete	CAL. CODE OF REGULATIONS 66262.23		
0127	Hazardous Waste manifest sent to DTSC	CAL. CODE OF REGULATIONS 66262.23(a)(4)		

0128	Hazardous Waste uniform manifest re	CAL. CODE [illegible]GULATIONS 66262.40(a)		
0129	Biennial Report	CAL. CODE OF REGULATIONS 66262.41		
0130	Hazardous Waste analyses retention	CAL. CODE OF REGULATIONS 66262.40(c)		
0131	Hazardous Waste management training	CAL. CODE OF REGULATIONS 66265.16		
0132	Source Reduction Evaluation Review and Plan (SB 14)	CAL. HEALTH & SAFETY CODE 25244.19(a)		
0135	Used Oil manage lawfully	CAL. HEALTH & SAFETY CODE 25250.4		
0136	Contamination of used oil	CAL. HEALTH & SAFETY CODE 25250.7		
0137	Consolidated manifest retention	CAL. HEALTH & SAFETY CODE 25250.8(b)(3)		
0138	Used Oil filters managed lawfully	CAL. CODE OF REGULATIONS 66266.130		
0139	Spent lead-acid batteries managed lawfully	CAL. CODE OF REGULATIONS 66266.81		
0145	Illegal disposal or abandonment of Hazardous Waste	CAL. HEALTH & SAFETY CODE 25189.5(a)		
0146	Unlawful disposal of used oil	CAL. HEALTH & SAFETY CODE 25250.5(a)		
0147	Transportation of Hazardous Waste without registration	CAL. HEALTH & SAFETY CODE 25163(a)		
0148	Hazardous Waste not hauled by registered transporter	CAL. CODE OF REGULATIONS 66262.10		
0149	Transportation of hazardous waste to an unauthorized facility	CAL. HEALTH & SAFETY CODE 25189.5(c)		
0152	Excluded Recyclable Materials Report	CAL. HEALTH & SAFETY CODE 25143.10		
1240	Unlawful consolidation of hazardous waste generated at remote sites	CAL. HEALTH & SAFETY CODE 25110.10		
1241	Failure to maintain remote consolidation documents for a minimum of 3 years	CAL. HEALTH & SAFETY CODE 25110.10(b)(7)		
1244	Ignitable or reactive wastes stored within 50' of a property line	CAL. CODE OF REGULATIONS 66264.176		
1245	Failure to store hazardous waste in compatible containers	CAL. CODE OF REGULATIONS 66265.172		
1247	Failure to test and maintain safety, fire/release control and response equipment	CAL. CODE OF REGULATIONS 66265.33		
1248	Failure to provide immediate access to alarm and emergency communications	CAL. CODE OF REGULATIONS 66265.34(a)		
1249	Failure to maintain adequate aisle space	CAL. CODE OF REGULATIONS 66265.35		
1262	Failure to provide secondary containment for aboveground hazardous waste tanks	CAL. CODE OF REGULATIONS 66265.193(a)		
1267	Unlawful management of hazardous waste containers	CAL. CODE OF REGULATIONS 66265.173(b)		
1268	Unlawful placing of wastes in the same container with incompatible waste or materials	CAL. CODE OF REGULATIONS 66265.177(a)		
1269	Unlawful placing waste in containers previously holding incompatible waste or materials	CAL. CODE OF REGULATIONS 66265.177(b)		
1270	Failure to separate incompatible materials	CAL. CODE OF REGULATIONS 66265.177(c)		
1271	Failure to equip facility with internal communication or alarm system	CAL. CODE OF REGULATIONS 66265.32(a)		
1272	Failure to equip facility with a device capable of summoning outside help	CAL. CODE OF REGULATIONS 66265.32(b)		
1273	Failure to equip facility with safety, fire/release control and response equipment	CAL. CODE OF REGULATIONS 66265.32(c)		
1274	Failure to provide facility with water at adequate volume and pressure	CAL. CODE OF REGULATIONS 66265.32(d)		
1278	Failure to submit an Exception Report to DTSC	CAL. CODE OF REGULATIONS 66262.42		
1279	Failure to maintain a copy of the Contingency Plan Onsite	CAL. CODE OF REGULATIONS 66265.53(a)		
1280	Failure to provide an Emergency Coordinator	CAL. CODE OF REGULATIONS 66265.55		
1281	Failure to remove spilled waste or precipitation from secondary tank containment within 24 hours	CAL. CODE OF REGULATIONS 66265.193(c)(4)		
1285	Knowing disposal and/or abandonment of hazardous waste at an unauthorized point	CAL. HEALTH & SAFETY CODE 25189.5(b)		
1291	Providing unlawful false statements or representations on hazardous waste documents	CAL. HEALTH & SAFETY CODE 25189.2		
1292	Failure to provide a written response to a Notice of Violation	CAL. HEALTH & SAFETY CODE 25185(c)(3)		
1293	Failure to report a release or threatened release of a hazardous material	CAL. HEALTH & SAFETY CODE 25507(a)		
1295	Failure to submit Contingency Plan to the CUPA	CAL. CODE OF REGULATIONS 66265.53(b)		
1296	Failure to implement the Contingency Plan	CAL. CODE OF REGULATIONS 66265.51(b)		
1297	Failure to review and amend the Contingency Plan	CAL. CODE OF REGULATIONS 66265.54		
1298	Failure to maintain used oil filter removal receipts on-site for 3 years	CAL. CODE OF REGULATIONS 66266.130(c)(5)		
1299	Unlawful placing of hazardous wastes or treatment reagents into tank that could cause failure	CAL. CODE OF REGULATIONS 66265.194(a)		
1300	Unlawful management of reusable soiled textile materials (contaminated rags and uniforms)	CAL. HEALTH & SAFETY CODE 25144.6		
1303	Failure to retain a copy of the Source Reduction Evaluation Review and Plan onsite	CAL. CODE OF REGULATIONS 67100.3(a)		
1304	Failure to make a copy of the Source Reduction Evaluation Review and Plan available to the public	CAL. CODE OF REGULATIONS 67100.3(b)		
1305	Unlawful, willful interference with a CUPA representative	CAL. HEALTH & SAFETY CODE 25195		
1307	Knowing treatment or storage of hazardous waste without a permit	CAL. HEALTH & SAFETY CODE 25189.5(d)		
1308	Enhancement-Unlawful violation of CHSC 25189.5(b), (c) or (d) causing great bodily injury or death	CAL. HEALTH & SAFETY CODE 25189.5(e)		
1309	Knowing transportation of hazardous waste without possession of a manifest	CAL. HEALTH & SAFETY CODE 25160(d)		
1310	Knowing or with reckless disregard treatment of hazardous waste causing unreasonable risk	CAL. HEALTH & SAFETY CODE 25189.6(a)		
1311	Knowing or with reckless disregard handling of hazardous waste causing unreasonable risk	CAL. HEALTH & SAFETY CODE 25189.6(a)		
1312	Knowing or with reckless disregard transportation of hazardous waste causing unreasonable risk	CAL. HEALTH & SAFETY CODE 25189.6(a)		

1313	Knowing or with reckless disregard di of hazardous waste causing unreasonable risk	CAL. HEAL AFETY CODE 25189.6(a)		
1314	Knowing or with reckless disregard storage of hazardous waste causing unreasonable risk	CAL. HEALTH & SAFETY CODE 25189.6(a)		
1315	Enhancement - Knowing placement of another in imminent danger while violating CHSC 25189.6(a)	CAL. HEALTH & SAFETY CODE 25189.6(b)		
1316	Knowing burning of hazardous waste at an unauthorized point	CAL. HEALTH & SAFETY CODE 25189.7(a)		
1317	Enhancement - Knowing placement of another in imminent danger while violating CHSC 25189.7(a)	CAL. HEALTH & SAFETY CODE 25189.7(b)		
1318	Knowing making of false statements or representations in any hazardous waste document	CAL. HEALTH & SAFETY CODE 25191(b)(1)		
1319	Knowing possession of altered or concealed hazardous waste document	CAL. HEALTH & SAFETY CODE 25191(b)(2)		
1320	Knowing destruction, alteration, or concealment of a hazardous waste document	CAL. HEALTH & SAFETY CODE 25191(b)(3)		
1321	Knowing withholding of information regarding real and substantial danger after request by an agency	CAL. HEALTH & SAFETY CODE 25191(b)(4)		
1322	Unlawful use of used oil or recycled oil as a dust suppresant, weed or insect control	CAL. HEALTH & SAFETY CODE 25250.5(b)		
1323	Failure to use controls and practices to prevent spills from hazardous waste tanks	CAL. CODE OF REGULATIONS 66265.194(b)		
1324	Failure to maintain sufficient hazardous waste tank freeboard	CAL. CODE OF REGULATIONS 66265.194(b)(3)		
1325	Failure to remove a leaking or unfit hazardous waste tank from use	CAL. CODE OF REGULATIONS 66265.196		
1326	Failure to remove or decontaminate waste residues when closing a tank system	CAL. CODE OF REGULATIONS 66265.197(a)		
1327	Failure to provide adequate security of hazardous waste storage area(s)	CAL. CODE OF REGULATIONS 66265.14(a)		
1328	Failure to post warning signs around hazardous waste storage area(s)	CAL. CODE OF REGULATIONS 66265.14(c)		
1329	Failure to maintain hazardous waste management training records	CAL. CODE OF REGULATIONS 66265.16(e)		
1401	Large Quantity Generator: New hazardous waste tank system P.E. certification	CAL. CODE OF REGULATIONS 66265.192(a) & (h)		
1402	Large Quantity Generator: New Tank Assessment Standards	CAL. CODE OF REGULATIONS 66265.192(k)		
1403	Large Quantity Generator: Secondary Containment	CAL. CODE OF REGULATIONS 66265.193		
W501	Certified Appliance Recycler: Certification	CAL. HEALTH & SAFETY CODE 25211.4		
W502	Certified Appliance Recycler: Certification	CAL. HEALTH & SAFETY CODE 25211.2, 25211.3		
W503	Certified Appliance Recycler: Materials that Require Special Handling (MRSH) properly managed	CAL. HEALTH & SAFETY CODE 25211.3, 25212, 252		
W504	Certified Appliance Recycler: Proper Removal of Materials that Require Special Handling (MRSH)	CAL. HEALTH & SAFETY CODE 25211.3, 25212(a)		

VIOLATION CODE	DESCRIPTION	SECTION	V	N
51	**CALARP**			
0401	Failure to obtain CUPA CalARP Permit	S.B. COUNTY CODE 23.0602(b)(4)		
0402	Failure to prov access to inspect/Review tech info	CAL. HEALTH & SAFETY CODE 25534.5		
0403	Failure to submit RMP	CAL. HEALTH & SAFETY CODE 25535.1		
0404	Failure to Coordinate with AA	CAL. CODE OF REGULATIONS 2735.5		
0405	False Statement, representation or certification	CAL. HEALTH & SAFETY CODE 25541		
0411	O/O did not assign person/position to RMP	CAL. CODE OF REGULATIONS 2735.6		
0412	O/O did not submit req registration info	CAL. CODE OF REGULATIONS 2740.1		
0413	O/O did not submit RMP by req deadline	CAL. CODE OF REGULATIONS 2745.1		
0414	O/O did not certify RMP complete	CAL. CODE OF REGULATIONS 2745.2(a)(1)		
0415	RMP OCA Data Components submitted	CAL. CODE OF REGULATIONS 2745.4		
0416	O/O did not submit RMP 5 yr accident history	CAL. CODE OF REGULATIONS 2745.5		
0417	O/O did not update RMP every 5 yrs, 6 mo, 30 days	CAL. CODE OF REGULATIONS 2745.10		
0418	O/O did not corr RMP w/in 6 mo of acc,30 day of ch	CAL. CODE OF REGULATIONS 2745.10.5		
0419	O/O did not notify AA before mod of cov process	CAL. CODE OF REGULATIONS 2745.11		
0420	O/O did not revise OCA every 5 yrs or w/in 6 mo ch	CAL. CODE OF REGULATIONS 2750.7		
0421	O/O did not maintain OCA documentation	CAL. CODE OF REGULATIONS 2750.8		
0422	O/O did not report and document acc release data	CAL. CODE OF REGULATIONS 2750.9		
0425	Resp facility ER plan does not incl req contents	CAL. CODE OF REGULATIONS 2765.2		
0426	Fac not incl in comm resp plan & coord w/ER/FD	CAL. CODE OF REGULATIONS 2765.1		
0431	P1 O/O did not cord. w local ER agencies	CAL. CODE OF REGULATIONS 2735.4(c)(3)		
0432	P1 Certification signed	CAL. CODE OF REGULATIONS 2735.5(d)		
0433	P1 Dist to endpoint for WCS < nearest pub receptor	CAL. CODE OF REGULATIONS 2735.4(c)(2)		
0434	P1 No acc release w/offsite impacts w/in 5 yrs	CAL. CODE OF REGULATIONS 2735.4(c)(1)		
0435	P1 No addl measures nec to prevent offsite impacts	CAL. HEALTH & SAFETY CODE 25541		
0436	P1 Elig for P1 maintained or new prog lvl rqts met	CAL. CODE OF REGULATIONS 2735.4(f)		
0437	P1 Passive mit cntd in WCS oper in all proc areas	CAL. CODE OF REGULATIONS 2735.5(d)		
0441	P2 Management System implemented	CAL. CODE OF REGULATIONS 2735.6(a)		
0442	P2 Hazard assessment (OCA) conducted	CAL. CODE OF REGULATIONS 2735.5(e)(2)		
0443	P2 Prevention Program implemented	CAL. CODE OF REGULATIONS 2735.5(e)(3)		
0444	P2 Emergency response program implemented	CAL. CODE OF REGULATIONS 2735.5(e)(4)		

0445	P2 Prevention Program 2 Data subm	CAL. CODE	EGULATIONS 2735.5(e)(5)	
0446	P2 Process Safety Info compiled,maintained,updated	CAL. CODE OF REGULATIONS	2755.1	
0447	P2 Proc design in comp w/rec good eng prac & std	CAL. CODE OF REGULATIONS	2755.1(b)	
0448	P2 Haz review conducted, results doc, issue resolv	CAL. CODE OF REGULATIONS	2755.2	
0449	P2 Haz review upd every 5 yrs & prior to proc chg	CAL. CODE OF REGULATIONS	2755.2(f)	
0450	P2 Operating procedures prepared & updated	CAL. CODE OF REGULATIONS	2755.3	
0452	P2 Employees trained & tested in oper procedures	CAL. CODE OF REGULATIONS	2755.4(a)	
0453	P2 Refresher training prov every 3 yrs & as necess	CAL. CODE OF REGULATIONS	2755.4(b)	
0455	P2 Proc to maintain mech integrity prep & implem	CAL. CODE OF REGULATIONS	2755.5	
0456	P2 Each emp & maint contractor trained in mech int	CAL. CODE OF REGULATIONS	2755.5	
0457	P2 Eqt insp & tests perf per mfr rec, ind std & cd	CAL. CODE OF REGULATIONS	2755.5(d)	
0463	P2 Comp audit cond ev 3 yrs & corr doc. 2 retained	CAL. CODE OF REGULATIONS	2755.6	
0464	P2 Inc inv w/in 48 hrs,sum prep,corr doc,ret 5 yrs	CAL. CODE OF REGULATIONS	2755.7	
0471	P3 Management system implemented	CAL. CODE OF REGULATIONS	2735.6(a)	
0472	P3 Hazard assessment (OCA) conducted	CAL. CODE OF REGULATIONS	2735.5(f)(2)	
0473	P3 Prevention Program implemented	CAL. CODE OF REGULATIONS	2735.5(f)(3)	
0474	P3 Emergency response program implemented	CAL. CODE OF REGULATIONS	2735.5(f)(4)	
0475	P3 Prevention Program 3 Data submitted	CAL. CODE OF REGULATIONS	2735.5(f)(5)	
0476	P3 Process Safety Info compiled,maintained,updated	CAL. CODE OF REGULATIONS	2760.1	
0477	P3 Eqt complied w/recog good eng practice	CAL. CODE OF REGULATIONS	2760.1(d)	
0478	P3 PHA perf & doc, writ sched made, actions comm	CAL. CODE OF REGULATIONS	2760.2	
0479	P3 PHA updated and revalidated every 5 yrs	CAL. CODE OF REGULATIONS	2760.2(f)	
0480	P3 Op procedures prep, updated, annually certified	CAL. CODE OF REGULATIONS	2760.3	
0481	P3 Safe work practices impl for employees & contrc	CAL. CODE OF REGULATIONS	2760.3(d)	
0482	P3 Emp trained in op proc, haz, em oper, safe work	CAL. CODE OF REGULATIONS	2760.4(a)	
0483	P3 Refresher training prov every 3 yrs & as necess	CAL. CODE OF REGULATIONS	2760.4(b)	
0484	P3 Training documentation maintained	CAL. CODE OF REGULATIONS	2760.4(c)	
0485	P3 Writ Proc to maint integ of proc eqt prep & imp	CAL. CODE OF REGULATIONS	2760.5(b)	
0486	P3 Each empl trained in maint integr of proc eqt	CAL. CODE OF REGULATIONS	2760.5(c)	
0487	P3 Eqt insp & tests perf & doc per mfr rec, ind st	CAL. CODE OF REGULATIONS	2760.5(d)	
0488	P3 Eqt & maint mat suitable for proc, inst prop	CAL. CODE OF REGULATIONS	2760.5(f)	
0489	P3 Writ proc to manage chg est & impl. PSI upd	CAL. CODE OF REGULATIONS	2760.6	
0490	P3 Prestartup safety rev perf for mod process	CAL. CODE OF REGULATIONS	2760.7	
0493	P3 Comp audit cond ev 3 yrs & corr doc. 2 retained	CAL. CODE OF REGULATIONS	2760.8	
0494	P3 Inc inv w/in 48 hrs,sum prep,corr doc,ret 5 yrs	CAL. CODE OF REGULATIONS	2760.9	
0495	P3 Writ empl partic plan dev & empl inf on PHA/PSM	CAL. CODE OF REGULATIONS	2760.10	
0496	P3 Hot work pmts issued on op on or near cov proc	CAL. CODE OF REGULATIONS	2760.11	
0497	P3 Contractor safety imp by Own/Op & contractor	CAL. CODE OF REGULATIONS	2760.12	
0499	Other CalARP Violation	CAL. CODE OF REGULATIONS	2735.5	

INSPECTED BY:

MARK BECHEL

NAME **ICC#8080427-UI**

RECEIVED BY:

LEE J MOORE

NAME

INSPECTION DATE: 10/13/2017

Signature Date Time: 10/13/17 1:36:51PM

LTR:10/13/2017 1:21:50PM

PLANT MANAGER

TITLE

PRINTED ON: 10/13/17 1:38 pm

NOTICE OF VIOLATION: THE VIOLATIONS NOTED IN THIS REPORT MUST BE CORRECTED WITHIN THE SPECIFIED TIMEFRAME. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION.

PHOTO NARRATIV

PHOTO 1



PHOTO 2



Facility/Case Name:	Etiwanda Generating Station	Facility ID#: FA0002943
Address: 8996 Etiwanda Ave., Rancho Cucamonga CA 91739		
Description #1: Front of the facility.		
Description #2: (2) 10,000 gallon tanks containing a maximum of 8,500 gallons each of aqueous ammonia 19%.		
Date Taken: 10/13/2017	Taken By: Mark Bechel	

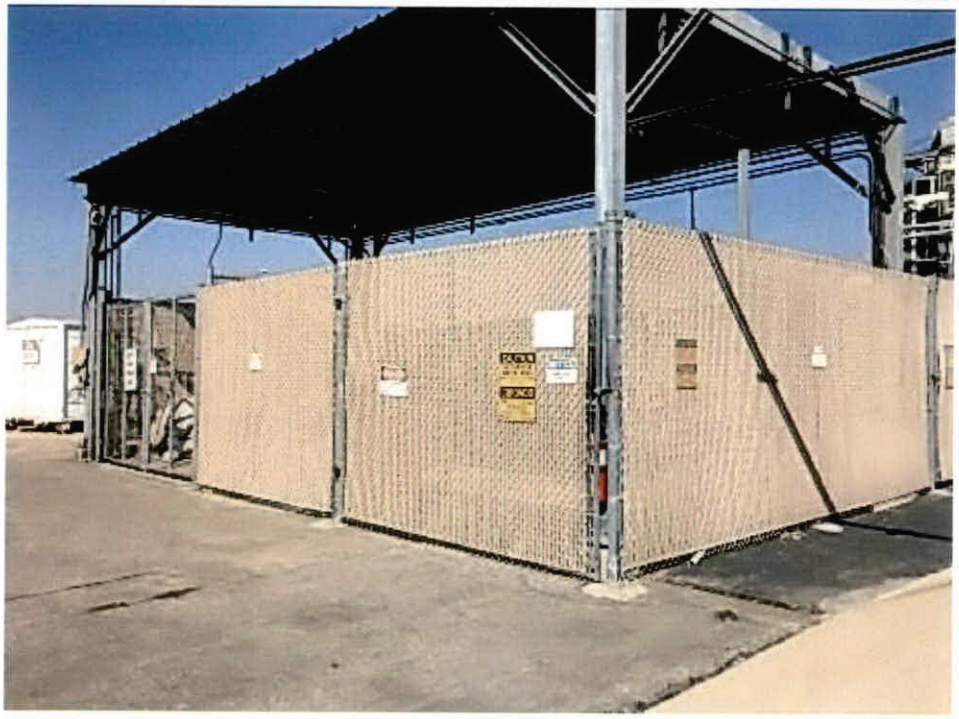
Signature: Mark Bechel

PHOTO NARRATIVE

PHOTO 3



PHOTO 4



Facility/Case Name:	Etiwanda Generating Station	Facility ID#: FA0002943
Address: 8996 Etiwanda Ave., Rancho Cucamonga CA 91739		
Description #3: The forwarding pump station is monitored with ammonia sensors.		
Description #4: Hazardous waste is stored is located in a secure area.		
Date Taken: 10/13/2017	Taken By: Mark Bechel	

Signature: Mark Bechel

SAN BERNARDINO COUNTY FIRE DEPARTMENT

SOURCE - FACILITY RELEASE REPORT

SITE LOCATION: **8996 ETIWANDA AVE RANCHO CUCAMONGA CA 91739** RECORD ID: **CO0032644**

RELATED ID: ACCOUNT ID: **AR0002943**

FACILITY INFO

FACILITY: **FA0002943**
FACILITY NAME: **ETIWANDA GENERATING STATION**
FACILITY ADDRESS: **8996 ETIWANDA AVE**
CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP: **91739**

CONTACT

COMPLAINT

COMPLAINANT: **MARCO DTULE - NRG ENERGY**
ADDRESS:
CITY:
COUNTRY: **US** STATE: ZIP:
WORK PHONE: **909-471-1327** EXT:
HOME PHONE: EXT:
FAX:
EMAIL ADDRESS:

DISPOSITION

RECEIVED BY: **MATTIE CLAYTON**
RECEIVED DATE: **06/16/2016** RECEIVED TIME: **09:13:00**
ASSIGNED TO:
ASSIGNED DATE: ASSIGNED TIME:
STATUS: **CLOSED**
PROGRAM ELEMENT:

INFORMATION

PROPERTY INFO

PROP NAME: **ETIWANDA GENERATING STATION**
BUS NAME: **ETIWANDA GENERATING STATION**
ADDRESS: **8996 ETIWANDA AVE**
2nd ADDRESS:
CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP: **91739**
COUNTRY:
PHONE 1: **909-899-7220** EXT:

OWNER'S INFO

OWNER NAME: **NRG CALIFORNIA SOUTH LP-ETIWANDA**
BUSINESS NAME: **ETIWANDA GENERATING STATION**
ADDRESS: **8996 ETIWANDA AVE**
2ND ADDRESS:
CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP: **91739--917**
HOME PHONE: **909-899-7260** EXT:
WORK PHONE: **909-899-7260** EXT:

LOCATION

LOCATION

CENSUS:
DISTRICT: **DISTRICT 2**
LOCATION: **DISTRICT 2**
CITY CODE: **RANCHO CUCAMONGA**
JURISDICTION: **R C FIRE**
PROPERTY TYPE: **PRIVATE PROPERTY**
INSPECTION CODE:
APN: **022928328000**

ER INFO (UDF)

OES NUMBER: **16-3638** HOURS:
INCIDENT TYPE: **RELEASE / PERMITTED FACILITY**
ENVIRONMENT TYPE: **FACILITY SITE - PERMITTED**
REFERRAL AGENCY: REFERRAL DATE:
HAULER'S NAME:
NUMBER HOSPITALIZED:
CHEMICAL INFO 1: **LUBE OIL**
AGENCY NOTIFICATION: **Y**
DRUG LAB:
E/R TEAM RESPONDED:
COST RECOVERY:

RESPONDING AGENCY 1:
RESPONDING AGENCY 2:
RESPONDER 1:
RESPONDER 2:
RESPONDER 3:
RESPONDER 4:
CHEMICAL INFO:

RELEASED ☑ CONTAINED ☑ REMOVED ☐

SUSPECT

PARTY NAME: DOB:
COMPANY NAME: PHONE: EXT:
ADDRESS: LICENSE NUMBER:

INSPECTED/RESOLVED

EMPLOYEE: **MATTIE CLAYTON** RESOLVE DATE: REQUIRES FURTHER ACTION ☐

PERMIT INFORMATION

RMITS CURRENT? YES or NO

RECORD ID	PE	PERMIT STATUS	ISSUANCE STATUS	FROM DATE	TO DATE
PT0002262	CE ANNUAL FEE	INACTIVE			
PT0002263	SUPER LARGE QUANTITY GENERATOR	ACTIVE			
PT0002264	HAZARDOUS MATERIALS 51-70 CHEMICALS	ACTIVE			
PT0002265	APSA 10,001-100,000 GAL FAC CAPACITY	ACTIVE			
PT0013929	CALARP FACILITY PERMIT	INACTIVE			
PT0013930	CALARP STATE FEE	ACTIVE			
PT0013931	EPCRA FACILITY	INACTIVE			
PT0015103	RISK MANAGEMENT PLAN - LEVEL I	ACTIVE			

COMPLAINT DESCRIPTION: ***NOTIFICATION ONLY***

RP STATES: A PRESSURE GAUGE RUPTURED RESULTING IN A LEAK OF APPROXIMATELY 42 GALLONS OF LUBE OIL WITHIN A CONTAINMENT AREA. CONTAINMENT AREA CAUGHT ENTIRE RELEASE; NO CONTACT WITH ANY MEDIUM (WATER, SOIL, ETC.). RELEASE IS CONTAINED AND NO LONGER RELEASING. NO WATERWAYS IMPACTED. CLEAN UP BEING DONE BY A CONTRACTOR, MP ENVIRONMENTAL.

Governor's Office Emergency Services

Hazardous Materials Spill Report

DATE: 06/16/2016 TIME: 0919	RECEIVED BY:	CONTROL#: Cal OES - **16-3638** NRC -

1.a. PERSON NOTIFYING Cal OES:

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:
	NRG Energy			

1.b. PERSON REPORTING SPILL (If different from above):

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:

2. SUBSTANCE TYPE:

2. a. SUBSTANCE:	b.QTY:>=<	*Amount*	*Measure*	c. TYPE:	d. OTHER:	e. PIPELINE	f. VESSEL >= 300 Tons
1. lube oil	=	42	Gal(s)	PETROLEUM		No	No
2.	=					No	No
3.	=					No	No

g. DESCRIPTION: RP states: A Pressure guage ruptured resulting in a leak of approximately 42 gallons of lube oil within a containment area. Containment area caught entire release; no contact with any medium (water, soil, etc.). Release is contained and no longer releasing. No waterways impacted. Clean up being done by a contractor.

h. CONTAINED:	i. WATER INVOLVED:	j. WATERWAY:	k. DRINKING WATER IMPACTED
Yes	No		No

l. KNOWN IMPACT None

3. a. INCIDENT LOCATION: 8996 Etiwanda Ave

b. CITY:	c. COUNTY:	d. ZIP:	
Rancho Cucamonga	San Bernardino County	91739	SOUTH COAST AQMD

4. INCIDENT DESCRIPTION:

a. DATE:	b. TIME *(Military)*:	c. SITE:	d. REPORTED CAUSE
06/15/2016	1430	Utilities/Substation	Mechanical
e. INJURIES	**f. FATALITY**	**g. EVACUATION**	**h. CLEANUP BY:**
No	No	No	Contractor

6. NOTIFICATION INFORMATION:

a. ON SCENE: **b. OTHER ON SCENE:** **c. OTHER NOTIFIED:**

d. ADMIN. AGENCY: San Bernardino County Fire Department **e. SEC. AGENCY:**

f. ADDITIONAL COUNTY: **g. ADMIN. AGENCY:**

h. NOTIFICATION LIST:

DOG Unit: **RWQCB Unit:** 8

AA/CUPA, DFG-OSPR, DTSC, RWQCB, US EPA, USFWS, Co/Hlth, Co/E-Hlth

1. ARB:

********* **Control No: 16-3638** *********

Created by: Warning Center on: 06/16/2016 09:19:02 AM Last Modified by: Warning Center on: 06/16/2016 09:27:14 AM

SAN BE ARDINO COUNTY FIRE DEP RTMENT

SOURCE - ENVISION E/R

SITE LOCATION: **8996 ETIWANDA AVE., RANCHO CUCAMONGA**
RELATED ID:

RECORD ID: **CO0031131**
ACCOUNT ID: **AR0002943**

FACILITY INFO

FACILITY: **FA0002943**
FACILITY NAME: **ETIWANDA GENERATING STATION**
FACILITY ADDRESS: **8996 ETIWANDA AVE**
CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP: **91739**

CONTACT

COMPLAINT

COMPLAINANT: **CHARLES LINDER**
ADDRESS:
CITY:
COUNTRY: **USA** STATE: ZIP:
WORK PHONE: **909-827-1372** EXT:
HOME PHONE: EXT:
FAX:
EMAIL ADDRESS:

DISPOSITION

RECEIVED BY: **BRIAN OTTER**
RECEIVED DATE: **07/25/2014** RECEIVED TIME: **07:34:03**
ASSIGNED TO:
ASSIGNED DATE: ASSIGNED TIME:
STATUS: **CLOSED**
PROGRAM ELEMENT:

INFORMATION

PROPERTY INFO

PROP NAME: **ETIWANDA GENERATING STATION**
BUS NAME: **ETIWANDA GENERATING STATION**
ADDRESS: **8996 ETIWANDA AVE**
2nd ADDRESS:
CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP: **91739**
COUNTRY:
PHONE 1: **909-899-7220** EXT:

OWNER'S INFO

OWNER NAME: **NRG CALIFORNIA SOUTH LP-ETIWANDA**
BUSINESS NAME: **ETIWANDA GENERATING STATION**
ADDRESS: **8996 ETIWANDA AVE**
2ND ADDRESS:
CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP: **91739--917**
HOME PHONE: **909-899-7260** EXT:
WORK PHONE: **909-889-7290** EXT:

LOCATION

LOCATION

CENSUS:
DISTRICT: **DISTRICT 2**
LOCATION: **DISTRICT 2**
CITY CODE: **RANCHO CUCAMONGA**
JURISDICTION: **R C FIRE**
PROPERTY TYPE: **PRIVATE PROPERTY**
INSPECTION CODE:
APN: **022928328000**

ER INFO (UDF)

OES NUMBER: HOURS:
INCIDENT TYPE: **RELEASE / PERMITTED FACILITY**
ENVIRONMENT TYPE: **FACILITY SITE - PERMITTED**
REFERRAL AGENCY: REFERRAL DATE:
HAULER'S NAME: **IN HOUSE**
NUMBER HOSPITALIZED:
CHEMICAL INFO 1: **SODIUM HYPOCHLORITE** CHEMICAL INFO:
AGENCY NOTIFICATION: **Y**
DRUG LAB:
E/R TEAM RESPONDED:
COST RECOVERY:

RESPONDING AGENCY 1:
RESPONDING AGENCY 2:
RESPONDER 1:
RESPONDER 2:
RESPONDER 3:
RESPONDER 4:

RELEASED ☑ CONTAINED ☑ REMOVED ☑

SUSPECT

PARTY NAME: DOB:
COMPANY NAME: PHONE: EXT:
ADDRESS: LICENSE NUMBER:

INSPECTED/RESOLVED

EMPLOYEE: **BRIAN OTTER** RESOLVE DATE: **07/25/2014** REQUIRES FURTHER ACTION ☐

PERMIT INFORMATION

PERMITS CURRENT? YES or NO

RECORD ID	PE	PERMIT STATUS	INSURANCE STATUS	FROM DATE	TO DATE
PT0002262	CE,ANNUAL FEE	INACTIVE			
PT0002263	SUPER LARGE QUANTITY GENERATOR	ACTIVE			
PT0002264	HAZARDOUS MATERIALS 51-70 CHEMICALS	ACTIVE			
PT0002265	APSA 10,001-100,000 GAL FAC CAPACITY	ACTIVE			
PT0013929	CALARP FACILITY PERMIT	INACTIVE			
PT0013930	CALARP STATE FEE	ACTIVE			
PT0013931	EPCRA FACILITY	INACTIVE			
PT0015103	RISK MANAGEMENT PLAN - LEVEL I	ACTIVE			

COMPLAINT DESCRIPTION: NOTIFICA[illegible]N: FACILITY MADE NOTIFICATION ON A[illegible]LEASE THAT OCCURRED ON 07/22/2014 AT APPROXIMATELY 8AM. LESS THAN 3 GALLONS OF SODIUM HYPO[illegible]LORITE. CLEANUP CONSISTED OF DIGGING UP CONTAMINATED SOIL, PLACING SOIL IN POLY DRUM FOR DISPOSAL. CLEANUP COMPLETED BY 1:30PM THAT SAME DAY. NO OES NOTIFICATION DUE TO THE SIZE OF SPILL AND MATERIAL TYPE.

San Bernardino County Fire Department

Emergency Response Form

FACILITY INFO

FACILITY ID: FA0002943
FACILITY NAME: Etiwanda Generating Station
FACILITY ADDRESS: 8996 Etiwanda Ave
CITY: Rancho Cucamonga STATE: CA ZIP:
START TIME:
COMPLETED TIME:

CONTACT

COMPLAINT

COMPLAINANT / ER: Charles Hudson
ADDRESS: 8996 Etiwanda Ave
CITY: Rancho Cucamonga
COUNTRY: STATE: ZIP:
WORK PHONE: 827-1372 EXT:
HOME PHONE: EXT:
FAX:
EMAIL ADDRESS:

DISPOSITION

RECEIVED BY: Other
RECEIVED DATE: 7/25/14 RECEIVED TIME:
ASSIGNED TO: Other
ASSIGNED DATE: 7/25/14 ASSIGNED TIME:
STATUS:
PROGRAM ELEMENT:

INFORMATION

PROPERTY INFO

PROP NAME/RP:
BUS NAME: Etiwanda Generating Station
ADDRESS: 8996 Etiwanda Ave
2nd ADDRESS:
CITY: Rancho Cucamonga STATE: ZIP:
COUNTRY:
PHONE : EXT:

OWNER'S INFO

OWNER NAME: Same
BUSINESS NAME:
ADDRESS:
2ND ADDRESS:
CITY: STATE: ZIP:
HOME PHONE: EXT:
WORK PHONE: EXT:

LOCATION

LOCATION

CENSUS:
DISTRICT(Inspector):
LOCATION(Supervisorial):
CITY CODE:

JURISDICTION(Fire): Rancho Cucamonga
PROPERTY TYPE: Private
INSPECTION CODE:
APN:

ER INFO (UDF)

OES NUMBER: HOURS:
INCIDENT TYPE: facility release
ENVIRONMENT TYPE:
NUMBER HOSPITALIZED:
HAULER'S NAME: In house
REFERRAL AGENCY: REFERRAL DATE:
RESPONDING AGENCY 1:
RESPONDING AGENCY 2:
CHEMICAL INFO 1: ~3 gal Sodium Hypochlorite
CHEMICAL INFO 2:

COST RECOVERY ☐
E/R TEAM RESPONDED ☐
DRUG LAB ☐
AGENCY NOTIFICATION ☒

RESPONDER 1: Other
RESPONDER 2:
RESPONDER 3:
RESPONDER 4:

HAZMAT RELEASED ☑
CONTAINED ☑
REMOVED ☑

SUSPECT

PARTY NAME: DOB:
COMPANY NAME: PHONE: EXT:
ADDRESS:
CITY: STATE: ZIP: LICENSE NUMBER:

INSPECTED/RESOLVED EMPLOYEE: Other RESOLVE DATE: 7/25/14 REQUIRES FURTHER ACTION ☐

COMPLAINT DESCRIPTION:

Facility notification of release that occurred on 7/22/14 @ approx 0800. Cleanup consisted of digging up contaminated soil, placing soil in poly drum for disposal. Cleanup completed by 1330 that same day. No OES notification due to size of spill and material type

COMMENTS

SIGNATURE: _____ DATE: _____

San Bernardino County CUPA
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

HAZARDOUS WASTE GENERATOR AND HAZARDOUS MATERIALS HANDLER INSPECTION REPORT

FA #: 2943 Facility Name: Etiwanda Generating Station Inspection Date: October 21, 2014

Site Address: 8996 Etiwanda Avenue Phone #: 909-899-7260

City: Rancho Cucamonga Zip Code: 91739 EPA ID #: CAR000038158

Consent Granted by:

☒ Inspect ☐ Photograph Name: Charles Linder Title: Environmental Compliance Specialist

Refer to Title 19 and Title 22 of the California Code of Regulations (CCR), Chapter 6.5 of the Health and Safety Code (CHSC) and Division 3 of Title 2 of the San Bernardino County Code (CC). The following code sections are either in Violation (V) of, in Compliance (C) with, the applicable laws and regulations, or compliance is not applicable, not addressed or unknown (N).

GENERAL REQUIREMENTS FOR GENERATORS		V	C	N
101. Hazardous Waste Generator Permit current	CC 23.0602(b)(1)		X	
102. Facility access for inspection granted - HW only	CHSC 25185		X	
103. Hazardous Waste determination made	CCR 66262.11		X	
104. EPA ID Number obtained	CCR 66262.12(a)		X	
105. Hazardous Waste storage/treatment authorization	CHSC 25189.5(d)			X
106. Facility operated/maintained to prevent release/fire	CCR 66265.31		X	
107. Contingency Plan established	CCR 66265.51(a)		X	
108. Recyclable materials managed lawfully	CHSC 25143.2			X
905. Universal Waste managed lawfully	CCR 66273.1		X	
STORAGE AND LABELING REQUIREMENTS				
110. Tank/container labeled/marked "Hazardous Waste"	CCR 66262.34(f)(3)		X	
111. Hazardous Waste label complete	CCR 66262.34(f)(3)		X	
112. Accumulation start date on tank/container	CCR 66262.34(f)(2)		X	
113. Hazardous Waste accumulation time not exceeded	CCR 66262.34		X	
114. Hazardous Waste containers sound	CCR 66265.171		X	
115. Hazardous Waste containers not leaking	CCR 66265.173(b)		X	
116. Hazardous Waste containers closed	CCR 66265.173(a)		X	
117. Contaminated containers managed properly	CCR 66261.7		X	
118. Container storage area inspected weekly	CCR 66265.174		X	
119. Hazardous Waste managed lawfully	CHSC 25154		X	
120. Hazardous Waste aboveground tank system inspected	CCR 66262.34		X	
HAZARDOUS WASTE RECORDS AND MANIFESTS				
125. Hazardous Waste transported with a manifest	CCR 66262.20(a)		X	
126. Hazardous Waste manifest complete	CCR 66262.23		X	
127. Hazardous Waste manifests sent to DTSC	CCR 66262.23(a)(4)		X	
128. Manifests retained for at least 3 years	CCR 66262.40(a)		X	
129. Biennial Report prepared	CCR 66262.41		X	
130. Hazardous Waste analyses retained for 3 years	CCR 66262.40(c)			X
131. Training documentation complete & available	CCR 66265.16		X	
132. Copy of completed SB 14 available	CCR 67100.3		X	
135. Used oil managed properly	CHSC 25250.4		X	
136. Used oil not contaminated with Hazardous Waste	CHSC 25250.7		X	
137. Consolidated manifesting records available	CHSC 25160.2(b)(3)			X
138. Used oil filters managed lawfully	CCR 66266.130		X	
139. Spent lead acid batteries managed lawfully	CCR 66266.81		X	
DISPOSAL AND TRANSPORTATION				
145. Illegal disposal/abandonment of Hazardous Waste	CHSC 25189.5(a)			X
146. Illegal disposal of used oil	CHSC 25250.5(a)			X
147. Transporting Hazardous Waste w/o valid registration	CHSC 25163			X
148. Hazardous Waste hauled by transporter w/o valid registration	CHSC 25163			X
149. Hazardous Waste transported to an unauthorized facility	CHSC 25189.5(c)			X

GENERAL REQUIREMENTS FOR HANDLERS		V	C	N
201. Hazardous Material Handler permit current	CC 23.0602(b)(3)		X	
202. Business Plan established	CHSC 25507		X	
203. Business Plan submitted	CHSC 25508		X	
204. Hazardous Materials release reported	CHSC 25510			X
205. Facility access for inspection granted – HM	CHSC 25511		X	
206. Failure to update the Business Plan	CHSC 25508.2		X	
207. SPCC Plan prepared/implemented	CHSC 25270.4.5		X	
209. Failure to Update Business Plan w/in 30 days	CHSC 25508.1		X	

INSPECTION NARRATIVE

An inspection was conducted to determine compliance with hazardous waste generator, hazardous materials handler, California Accidental Release Prevention (CalARP) program, and Aboveground Petroleum Storage Act (APSA) laws and regulations. Consent to conduct the inspection and take photographs was given by Charles Linder, Environmental Compliance Specialist. Apeetha Jain, Environmental Supervisor, West Region, and Firas Taher, Hazardous Materials Specialist with San Bernardino County Fire Department, were also present during the inspection.

This facility is a power plant which generates electricity through the combustion of natural gas. Five generation units remain on site, but three have been decommissioned.
Used oil, waste oily solids, waste paint related materials, treated wood waste, and various universal wastes are generated through maintenance activities.

☐ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN ____ DAYS. FAILURE TO COMPLY MAY IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspector: Brian Wade (Sign Name) Received By: _____ (Sign Name) Title: _____

Brian Wade (Print Name) MAIL (Print Name) Report Date: November 3, 2014

San Bernardino County CUPA
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460• www.sbcfire.org

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM INSPECTION REPORT - ALL PROGRAM LEVELS

FA #: 2943 Facility Name: Etiwanda Generating Station Inspection Date: October 21, 2014

Site Address: 8996 Etiwanda Avenue Phone #: 909-899-7260

City: Rancho Cucamonga Zip Code: 91739 EPA ID #: CAR000038158

Consent Granted by:

☒ Inspect ☐ Photograph Name: Charles Linder Title: Environmental Compliance Specialist

Refer to Title 19 of the California Code of Regulations (CCR), Chapter 6.5 of the Health and Safety Code (CHSC) and Division 3 of Title 2 of the San Bernardino County Code (CC). The following code sections are either in Violation (V) of, or in Compliance (C) with, the applicable laws & regulations, or compliance is not applicable, not addressed or unknown (N).

GENERAL REQUIREMENTS		V	C	N	COMMENTS/OBSERVATIONS
401. CalARP Permits Current	CC 23.0602(b)(4)		X		Permits are current; expiration date of 9/30/2015.
402. Access to Inspect/Review Technical Information provided	CHSC 25534.5		X		Access to review technical information was provided.
403. Risk Management program prepared and submitted	CHSC 25535.1		X		A program 1 RMP was initially submitted on 8/31/2004.
404. RMP and supporting studies coordinated w/AA	CCR 2735.5		X		The RMP was coordinated with the AA.
405. False statement, representation or certification	CHSC 25541			X	No false statements were noted.
411. Qualified person/position assigned for RMP	CCR 2735.6		X		Apeetha Jain, Environmental Supervisor, is the listed qualified person responsible for RMP implementation.
412. Required registration information submitted	CCR 2740.1		X		Registration information has been submitted.
413. RMP submitted by required deadline	CCR 2745.1		X		The RMP was submitted by the required deadline.
414. RMP certification statement completed	CCR 2745.9		X		A certification statement was submitted with the RMP.
415. RMP Offsite Consequence Analysis Data Components submitted	CCR 2745.4		X		The Offsite Consequence Analysis Data components have been submitted.
416. RMP 5-year Accident History submitted	CCR 2745.5		X		The 5-year accident history has been submitted.
417. RMP updated every 5 yrs, within 6 months of change, & within 30 days of owner/operator change	CCR 2745.10		X		The RMP 5-year update was submitted on 10/21/2014.
418. RMP corrected within 6 months of a reportable accidental release & within 30 days of change in emergency contact information	CCR 2745.10.5		X		No changes or releases have occurred.
419. AA notified before modification of covered process	CCR 2745.11			X	No changes to the covered process have occurred.
420. OCA revised and submitted every 5 years or within 6 months of change in process or quantity	CCR 2750.7		X		OCA documentation was submitted with the RMP.
421. Offsite Consequence Analysis documentation maintained	CCR 2750.8		X		OCA documentation was available on site.
422. Accidental release data reported and documented	CCR 2750.9		X		No releases have occurred.
Will employees respond?	Y N				
425. If yes, plan includes contents of CCR 2765.2: coordination, medical treatment, response procedures, ER equipment use, inspection, testing & maintenance, training, updating	CCR 2765.2			X	This facility's employees will not respond to a release.
426. If yes or no, facility is included in community response plan (filed business plan) & coordinated with ER/FD	CCR 2765.1		X		The facility has coordinated with the local ER/FD.
499. OTHER:					

The next RMP 5-year update is due by 10/21/2019.

☐ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN ____ DAYS. FAILURE TO COMPLY MAY IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspector: Brian Wade (Sign Name) Received By: _____ (Sign Name) Title: _____

Brian Wade (Print Name) MAIL (Print Name) Report Date: November 3, 2014

Revised 09/03/2014

San Bernardino County CUPA
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM INSPECTION REPORT - PROGRAM 1

FA #: 2943 Facility Name: Etiwanda Generating Station Inspection Date: October 21, 2014

Site Address: 8996 Etiwanda Avenue Phone #: 909-899-7260

City: Rancho Cucamonga Zip Code: 91739 EPA ID #: CAR000038158

Consent Granted by:

☒ Inspect ☐ Photograph Name: Charles Linder Title: Environmental Compliance Specialist

Refer to Title 19 of the California Code of Regulations (CCR), Chapter 6.5 of the Health and Safety Code (CHSC) and Division 3 of Title 2 of the San Bernardino County Code (CC). The following code sections are either in Violation (V) of, or in Compliance (C) with, the applicable laws & regulations, or compliance is not applicable, not addressed or unknown (N).

GENERAL REQUIREMENTS		V	C	N	COMMENTS/OBSERVATIONS
431. Emergency response procedures coordinated with local Emergency Response agencies	CCR 2735.4 (c)(3)		X		Emergency Response procedures have been coordinated with this department.
432. Program 1 certification signed	CCR 2735.5(d)		X		A signed certification statement was submitted with the RMP.
433. Distance to endpoint for Worst Case Scenario less than distance to nearest public receptor	CCR 2735.4 (c)(2)		X		The distance to the toxic endpoint is less than the distance to a public receptor.
434. No accidental release with offsite impacts within past 5 years	CCR 2735.4 (c)(1)		X		No releases have occurred within the last five years.
435. No additional measures necessary to prevent offsite impacts	CHSC 25541		X		No additional measures necessary.
436. Eligibility for Program level 1 maintained or new Program level requirements met	CCR 2735.4 (c)		X		Program level 1 is appropriate for this facility.
437. Program 1 General Requirements met	CCR 2735.5(d)		X		Program level 1 general requirements have been met.

Comments:

☐ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN ____ DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspector: Brian Wade (Sign Name) Received By: _____ (Sign Name) Title: _____

Brian Wade (Print Name) MAIL (Print Name) Report Date: November 3, 2014

Form Revised 09/03/2014

San Bernardino County CUPA
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

SUPPLEMENTAL INSPECTION REPORT

INSPECTION DATE: October 21, 2014		
FACILITY ID 2943	FACILITY NAME: Etiwanda Generating Station	FACILITY LOCATION: 8996 Etiwanda Avenue Rancho Cucamonga
Consent Granted by: X Inspect Photograph	NAME Charles Linder	TITLE Environmental Compliance Specialist

Hazardous Materials Inventory:

- The hazardous materials observed on site during the inspection were consistent with the most current CERS inventory.

Document Review:

- Waste oily water and asbestos waste is hauled by MP Environmental. Other hazardous wastes are hauled by American Integrated Services. Universal wastes are removed by Veolia. Manifests were available for review.
- Waste storage area inspections are being conducted and documented.
- The EPA ID number, CAR000038158, is current and active.
- An SB14 report was sent to DTSC on 8/30/2011.
- A Biennial report dated February 2014 was observed on site.
- Action Fire services the pump house on a weekly basis.
- Compressed gases delivered by Praxair and Airgas. Airgas also delivers the aqueous ammonia 19%.
- The Business Plan elements were submitted into CERS on 9/26/2014.
- Employees receive annual training which covers NH3 awareness, DOT, the RMP, hazwoper, hazard communication, PPE, and the emergency action plan. Employees which use respirators are annually fit tested.

CalARP:

- Aqueous ammonia 19% is stored on site for NOx reduction in SCR units. Two 10,000-gallon AST's of ammonia are maintained on site, filled to a maximum of 8,500 gallons each.
- The tanks are inspected on a daily basis.
- Sensors are located at the tanks, at the injection points, and the skids. The sensors are set to product an audible/visual alarm at 25 ppm. The sensors are calibrated on a quarterly basis.
- Employees which are responsible for dealing with the ammonia systems are trained in ammonia awareness and PPE use/maintenance.

☐ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN ~~30~~ DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspector: Brian Wade (Sign Name) Received By: _____ (Sign Name) Title: _____

Brian Wade (Print Name) MAIL (Print Name) Report Date: November 3, 2014

San Bernardino County CUPA
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

SUPPLEMENTAL INSPECTION REPORT

INSPECTION DATE: October 21, 2014		
FACILITY ID 2943	FACILITY NAME: Etiwanda Generating Station	FACILITY LOCATION: 8996 Etiwanda Avenue Rancho Cucamonga
Consent Granted by: X Inspect Photograph	NAME Charles Linder	TITLE Environmental Compliance Specialist

APSA:

- Aboveground Petroleum Storage Act (APSA) inspection was conducted by Firas Taher, San Bernardino County Fire Hazardous Materials Specialist.
- Sage Environmental Consulting prepared the Spill Prevention, Control, and Countermeasure (SPCC) Plan.
- Date of original SPCC Plan: January 2004.
- Date of current SPCC Plan: August 8, 2014.
- Date of last PE certification: August 8, 2014.
- Steven J. Tighe, Professional Engineer, certified the SPCC Plan.
- Daily Aboveground Storage Tank (AST) inspections were conducted.
- HMT conducted the integrity test on July, 24, 2014 in accordance to industry standard SP001.
- No APSA violations observed.

No violations were observed.

If you have any questions, feel free to contact me at 909-386-8401 or bwade@sbcfire.org.
If you have any questions regarding CERS, please call the CERS Help Line at (909) 386-8432.

☐ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN ~~30~~ DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspector: Brian Wade (Sign Name) Brian Wade (Print Name)

Received By: _____ (Sign Name) MAIL (Print Name)

Title: _____

Report Date: November 3, 2014

CUPA

San Bernardino County Fire Department • Hazardous Materials Division

620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 •www.sbcfire.org

PRELIMINARY FIELD INSPECTION REPORT

Page 1 of 1

INSPECTION DATE: Oct. 21, 2014

FACILITY ID	FACILITY NAME:	FACILITY LOCATION:
2943	Etiwanda Gen. Station	8996 Etiwanda Ave. N.C.
Consent Granted by: ☒ Inspect ☐ Photograph	NAME Charles Linder	TITLE Env. Compliance Spec.

The following is a preliminary list of violations observed at the time of inspection. The final report may list additional violations. Violations must be corrected within 30 days of receipt of the final report unless otherwise specified below.

An inspection was conducted to determine compliance with hazardous waste generator, hazardous materials handler, California Accidental Release Prevention (CalARP) program, & Aboveground Petroleum Storage Act (APSA) laws and regulations. Consent to conduct the inspection was given by Charles Linder, Environmental Compliance Specialist. Apeetha Jain, Environmental Supervisor, West Region, and Firas Taher, Hazardous Materials Specialist, with San Bernardino County Fire Dept, were also present during the inspection.

Waste manifests were available for review.

Weekly waste area inspections are conducted & documented.

A complete report will be mailed within 65 days.

Inspected By: Brian Wade (Sign Name) Brian Wade (Print Name)

Received By: Charles Linder (Sign Name) Charles Linder (Print Name)

Title: Environmental Specialist

Report Date: Oct. 21, 2014

Etiwanda Generating Station
8996 Etiwanda Ave
Rancho Cucamonga, CA 91739

The power to change life.
The energy to make it happen.

RECEIVED
JUL 01 2013
S.B. CO. FIRE DEPT.

June 26, 2013

Office of the Fire Marshall
San Bernardino County Fire Department
620 South E Street
San Bernardino, CA 92415-0179

Re: Permits PT0013929, PT0013930, PT0013931, PT0002263, PT0002264, PT0002265 and FA0002943; Facility Owner Name Change

Office of the Fire Marshall:

The referenced permits are issued for the Etiwanda Generating Station in Rancho Cucamonga, CA. On May 28, 2013 GenOn West, LP, the owner of the Etiwanda facility changed its name to NRG California South LP.

This action is solely a facility owner name change. There is no change of owner, operator or control. Furthermore, there is no change in facility operation, its emissions and discharges or any conditions in the referenced permits.

Documentation of the name change is enclosed. If there are any questions, please contact me at (909) 899-7241.

Sincerely,

Lee J. Moore
Plant Manager – Etiwanda Generating Station

Enclosure

Delaware

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "GENON WEST, LP", CHANGING ITS NAME FROM "GENON WEST, LP" TO "NRG CALIFORNIA SOUTH LP", FILED IN THIS OFFICE ON THE TWENTY-EIGHTH DAY OF MAY, A.D. 2013, AT 6:13 O'CLOCK P.M.

Jeffrey W. Bullock, Secretary of State

4920393 8100

130673140

AUTHENTICATION: 0470666

DATE: 05-30-13

You may verify this certificate online at corp.delaware.gov/authver.shtml

State of Delaware
Secretary of State
Division of Corporations
Delivered 06:28 PM 05/28/2013
FILED 06:13 PM 05/28/2013
SRV 130673140 - 4920393 FILE

STATE OF DELAWARE
AMENDMENT TO THE CERTIFICATE OF LIMITED PARTNERSHIP

The undersigned, desiring to amend the Certificate of Limited Partnership pursuant to the provisions of Section 17-202 of the Revised Uniform Limited Partnership Act of the State of Delaware, does hereby certify as follows:

FIRST: The name of the Limited Partnership is GenOn West, LP

SECOND: Article 1 of the Certificate of Limited Partnership shall be amended as follows:

The name of the Limited Partnership is: NRG California South LP

IN WITNESS WHEREOF, the undersigned executed this Amendment to the Certificate of Limited Partnership on this 21 day of May, A.D. 2013.

By: Jannetta Thomas
General Partner(s)
GenOn West GP, LLC
Name: Jannetta Thomas
Print or Type

CERTIFIED MAIL™

Linder

Etiwanda Generating Station
8996 Etiwanda Avenue
Rancho Cucamonga, CA 91739

7010 1060 0000 3387 4970

UNITED STATES POSTAL SERVICE

1000

92415

U.S. POSTAGE
PAID
RANCHO CUCAMONGA, CA
91739
JUN 28 '13
AMOUNT
$3.56
00089704-08

RECEIVED
JUL 01 2013
S.B. CO. FIRE DEPT.

Office of the Fire Marshall
ATTN: Haz Mat/CUPA
620 South E Street
San Bernardino, CA 92415-0179

nrg

924150179

GenOn West, LP
Etiwanda Generating Station
8996 Etiwanda Avenue, Rancho Cucamonga, CA 91739
T 909 899 7241 F www.genon.com

RECEIVED
SEP 06 2011
S.B. CO. FIRE DEPT.

August 31, 2011

Ms. Monica Ronchetti
San Bernardino County Fire Department – Hazardous Materials Division
620 South E Street
San Bernardino, CA 92415-0153

Dear Ms. Ronchetti,

GenOn West, LP, the owner of the Etiwanda Generating Station, appreciates the opportunity to respond to the Notices of Violation ("NOVs") listed in the Supplemental Inspection Report ("Report") issued by the San Bernardino County Fire Department, Hazardous Materials Division, on August 2, 2011. The NOVs alleged eight violations of various hazardous waste and hazardous materials management and release reporting laws and regulations. GenOn takes pride in its environmental health and safety record and takes these alleged violations very seriously. GenOn disagrees that the observations described in the Report should have been characterized as violations, but GenOn has nonetheless corrected all of the alleged violations. This letter addresses the basis for each of the alleged violations (or group of alleged violations) and describes GenOn's corrective actions in response. We ask for reconsideration of the NOVs based on the foregoing and as detailed below.

I. Alleged Violations 106, 116, 119, 135

106: Facility not operated to prevent a spill or release – CCR 66265.31
116: Hazardous waste containers not closed – CCR 66265.173(a)
119: Unlawful management of hazardous waste – Cal. Health and Safety Code 25154
135: Used oil not managed properly

GenOn's understands that each of the alleged violations listed above stem from the same observation of an 85-gallon container being used to collect used oil from a set of smaller 5-gallon buckets which were used to collect oil dripping from equipment . The Report characterized the 85-gallon container as a "secondary spill containment unit" and, based on this characterization, concluded that the container was not properly closed, that hazardous waste was being unlawfully managed, that used oil was not managed properly, and that collectively these violations indicated facility was not being operated to prevent a spill or release.

GenOn believes that these violations are based on a mischaracterization of the used oil management practices in place at the time of the inspection, and that these management practices were in fact in compliance with the statutory and regulatory provisions cited in the Report.

Alleged violations 106, 119, and 135 are all generic provisions generally requiring compliance with regulations applicable to the management of hazardous wastes. The only specific regulation cited in the Report, from which the other three alleged violations stem, is in 22 CCR 66265.173(a), which provides that a "container holding hazardous waste shall always be closed during transfer and storage, *except when it is necessary to add or remove waste.*" (emphasis added). The 85-gallon container observed in the Report was open for precisely the reason contemplated in the regulation: to add or remove waste.

The 85-gallon container was repurposed as a drip tray to collect used oil from large filter units and equipment drip buckets. The filter units are too large to pack in 55-gallon waste drums, and are processed into separate waste streams in efforts to minimize hazardous waste generation. The metal filter housing is cut in order for the oil to drip into the the 85-gallon container for collection. The oil is then transferred to a Used Lube Oil drum, the cleaned housing is recycled as scrap metal, and the filter media and cleaning pads are transferred to an Oily Debris drum. The drums are stored at the adjacent Satellite Accumulation Area (also referenced in the Report). From time to time the 85-gallon container was also used to collect used oil from buckets used to contain leaks from plant equipment. Note that this entire process occurred within a secondary containment area. The drums and 85-gallon container were not in themselves the secondary containment unit. The used oil, once collected, was disposed of consistent with all applicable laws and regulations. Accordingly, the observed practices were consistent with 22 CCR 66265.173(a), as well as all other hazardous waste containment requirements.

GenOn has nonetheless taken steps to discontinue the used oil management procedure cited in the Report. The 85-gallon container was drained, cleaned, and removed from the Oil Storage area immediately following the inspection. Going forward, the container will be set up in the Lube Oil Storage Area only when needed to process the large filter units. The container will be drained and cleaned immediately after filter processing is completed.

II. Alleged Violation 111

I. 111: Hazardous waste label not complete CCR 66262.34(f)

This alleged violation was based on the observation that certain hazardous waste labels bore the name "RRI" rather than "GenOn" the name of the entity formed through a merger between RRI Energy, Inc and Mirant Corporation in December 2010 . Each of the labels was, however, appropriately marked with the words "Hazardous Waste" and included the name Etiwanda G.S., address of the generator, the hazardous properties of the waste, the composition and physical

state of the waste, the accumulation start date, and the storage start date. We note that while some of the labels did bear the name "RRI," they also accurately bore the "d/b/a" name, "Etiwanda Generating Station," which has not changed and continues to be the generally referenced name of this facility for all practical purposes. Most critically, the labels included the correct EPA identification number, which was unaffected by the merger between Mirant Corporation and RRI Energy, Inc. Accordingly, there was a negligible risk that any of the hazardous waste containers in question, or the hazardous wastes they contained, would be misidentified. GenOn does not believe that the observed labeling discrepancy should give rise to a violation. GenOn has nonetheless relabeled all of the containers in question.

III. Alleged Violation 204

II. 204: Hazardous materials release not reported – Cal. Health and Safety Code Section 25507

This alleged violation is based on a June 10, 2010, release of 15 gallons of 19% aqueous ammonia within a secondary containment area. GenOn does not dispute that there was a release of 15 gallons of aqueous ammonia, but GenOn disputes that this was a reportable release. Based on the Operators' direct observations the Operator reasonably believed that the release did not pose a significant present or potential hazard to human health and safety, property, or the environment. Consequently, GenOn did not report the release to the CUPA and to CalEMA.

Health and Safety Code Section 25507, the authority cited in the Report and the controlling statutory authority for the Business Emergency/Contingency Plan requirements additionally cited in the Report, requires hazardous materials handlers to "immediate report any release or threatened release of a hazardous material... in accordance with the regulations adopted pursuant to Section 25503." "Hazardous material" is defined as "material that, because of its quantity, concentration, or physical or chemical characteristics, poses a *significant* present or potential hazard to human health and safety or to the environment if released into the workplace or the environment." (emphasis added). The applicable regulations emphasize that the released or threatened release must pose a significant hazard and provide that "[t]he immediate reporting [requirement] shall not be required if there is a *reasonable belief* that the release or threatened release *poses no significant* present or potential hazard to human health and safety, property, or the environment." 19 CCR 2703(c)(emphasis added). Since this provision turns on the handler's reasonable belief, a mere difference of opinion in whether not a release was significant is not sufficient to warrant a notice of violation: the release must be significant, and the handler's belief that it was not significant must be unreasonable for a violation of Section 25507 to occur.

The San Bernardino County CUPA has provided some guidance on the interpretation of the 25507 reporting requirement. In its Business Emergency/Contingency Plan Guidelines and Forms document, the CUPA states: "Since the only exception to the reporting requirement is subjective [i.e., the "reasonable belief" prong of 19 CCR 2703] note that the following circumstances, among others, would suggest that a threat was present: Evacuation of employees or customers; employees taking protective actions or donning personal protective equipment; employees exposed above occupational limits; damage to a building, secondary containment, or other property; the release not being captured before entering the environment; implementation of an emergency plan. If in doubt, report the release." See Business Emergency/Contingency Plan Guidelines and Forms, Appendix G, available at http://www.sbcfire.org/hazmat/forms/20100323_sbcfire_business_plan_V3_6_guidelines_and_forms.pdf. The CUPA guidance indicates that the questions of reasonableness and significance depend on the totality of the circumstances.

As explained below, GenOn reasonably believed that the release of aqueous ammonia did not pose a significant hazard and therefore did not report it, consistent with Health and Safety Code Section 25507 and 19 CCR Section 2703(c). As a threshold matter, the amount of ammonia released was approximately 22.1 pounds, significantly less than the 100-pound Reportable Quantity for ammonia, so Section 25507 provides the only possible legal basis for reporting the release in question.

While transferring a shipment of aqueous ammonia, a delivery truck transfer hose cam lock connection came loose. The loose hose then separated from the transfer pump. Following standard protocol and spill response training, the station operator immediately stopped the transfer pump using the provided remote push button station. The Delivery Driver noted wind direction and moved upwind of the release. The incident resulted in a spill of approximately 15 gallons of aqueous ammonia on the paved containment area under the truck.

Consistent with GenOn's policy regarding the handling of aqueous ammonia, the Station Operator donned additional PPE (respirator and chemical gloves) for spill response. This action is a mandatory step that must be taken in all circumstances, regardless of magnitude. The Station Operator first secured the transfer valves, then proceeded to dilute the ammonia in the containment area with water in effort to minimize any possible fumes. The diluted ammonia was flushed from the transfer area, to the station retention basin. Next, the transfer hose was reattached and the cam lock connector was secured with a velcro strap. The delivery was continued and completed without further incident.

All Ammonia System, Environmental, Health and Safety policies and procedures were followed by both parties. No alarms were activated and no evacuation was deemed necessary by either the Driver or the Operator. The use of standard PPE was is part of GenOn's highly protective commitment to worker protection, not an indicator of the Operator's subjective belief

of any potential threat or in response to perceived exposure above the occupational limits. There were no injuries and no equipment or property was damaged as a result of this incident. No product was released to the environment, and emergency contingency plans were never implemented. This incident was logged in an internal "near miss" report and thoroughly investigated by the Environmental Health and Safety Department. Considering the small quantity of the release and the totality of the circumstances, GenOn determined that this release was insignificant and therefore a non-reportable incident.

Going forward, in order to address the CUPA's concerns regarding release reporting, GenOn will report similar releases in the future, notwithstanding our reasonable belief that the ammonia release in question in this case was not significant and therefore not reportable.

IV. Alleged Violations 417, 418

> III. 417: Failure to update the RMP every 5 years, within 6 months of a change, or within 30 days of an Owner/operator change – 19 CCR 2745.10
> 418: Failure to correct the RMP within 6 months of a release or 30 days of a change in contact information – 19 CCR 2745.10.5

GenOn understands that these alleged violations are based on three observations: (1) the ammonia release described in Section III above, (2) the name change from "RRI" to "GenOn," and (3) the name of an emergency contact in Appendix G of the RMP who no longer works for the facility.

With respect to the first of these observations, there are two reasons GenOn believes that the ammonia release should not trigger the requirement to update the RMP and should therefore not warrant a violation. First, the requirement in 19 CCR 2745.10.5 cited in the Report requires the accident history section of the RMP to be updated only for accidental releases "meeting the five-year accident history reporting criteria of Section 2750.9..." Those reporting criteria are as follows: "all accidental releases from covered processes that resulted in deaths, injuries, or significant property damage on site, or known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage." 19 CCR 2750.9(a). *None* of the criteria listed in Section 2750.9(a) occurred as a result of the ammonia release: there were no deaths, injuries or significant property damage on-site at the Etiwanda Generating Station, nor were there any known offsite deaths, injuries, evacuations, sheltering in place, property damage, or environmental damage. Accordingly, the accident history in the RMP does not need to be updated to reflect the ammonia release.

Second, for the reasons discussed in Section III above, GenOn does not believe that the release of aqueous ammonia was a reportable release for the purposes of Health and Safety Code Section 25507, and accordingly it should not trigger an RMP update.

With respect to the name change, the cited regulation provides that "[w]ithin 30 days of a change in the owner or operator, the new owner or operator shall contact the AA to update registration information. The new owner or operator shall determine if RMP changes are necessary." 19 CCR 2703(f). The Report correctly notes that RRI Energy, Inc. and Mirant Corporation merged to form GenOn Energy, Inc. on December 3, 2010. But the Report erroneously assumes that the merger resulted in a change of ownership or operation of the Etiwanda Generating Station. While the merger resulted in a change in the name of the entity that owns the Etiwanda Generating Station, the merger did not actually result in a change of ownership; the same legal entity that owned the Generating Station before the merger continues to own it, and the facility's "d/b/a" name, "Etiwanda Generating Station," remained the same before and after the merger. The same staff and management present before the name change continue to operate the facility today. Accordingly, there was not a "new owner or operator" for the purposes of Section 2703(f).

Moreover, GenOn did notify the CUPA of the change in name within 30 days of the merger. An updated CALARP – Stationary Source Registration Form (refer to RMP section 8) was submitted via email to Mr. Gheorghe Mann of the San Bernardino County Fire Department on January 10, 2011.

Lee Moore is listed as the primary Emergency Contact in Appendix G of the RMP. Mr. Moore is also listed as the sole Emergency contact on the CALARP – Stationary Source Registration Form. This form submitted in January 2011, agrees with the Plant Contact list in Appendix G of the RMP. Mr. LaCroix, the former employee cited as an Emergency Contact in the report was only one of four persons listed as Emergency Contacts. His positions as Plant Environmental Contact and Plant Safety Contact were not filled until shortly before the inspection.

As a result of this follow-up action to the alleged failure to update the RMP, a full review of the document has been completed. A complete update of the RMP is being submitted to CUPA. This submittal should trigger a new five-year review cycle for the Etiwanda Facility RMP.

Please feel free to contact me with any questions at lee.moore@genon.com or 909-899-7241.

Sincerely,

Lee Moore
General Manager

SAN BERNARDINO COUNTY
FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO

OFFICE OF THE FIRE MARSHAL
HAZARDOUS MATERIALS DIVISION
620 South "E" Street • San Bernardino, CA 92415-0153
(909) 386-8401 • Fax (909) 386-8460

MARK A. HARTWIG
Fire Chief

September 9, 2011

GENON
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-9173

SUBJECT: NOTICE OF BUSINESS PLAN DEFICIENCIES

FACILITY: ETIWAND GENERATING STATION, FA0002943

ATTENTION: LEE MOORE

I have reviewed your response letter, dated August 31, 2011, to the Notice of Violations from the inspection conducted on 06/28/11. The Department appreciates your compliance to the violations and these violations have been closed.

The Department has taken note of your concerns to the violations and appreciates your diligence in correcting these violations but the violations will not be rescinded. If you have any questions or concerns, please contact me at (909) 386-8401 or email me at mronchetti@sbcfire.org.

Monica Ronchetti
Hazardous Materials Division, Field Services Section

GREGORY C. DEVEREAUX
Chief Executive Officer

Board of Supervisors
BRAD MITZELFELT.....First District
JANICE RUTHERFORD.....Second District
NEIL DERRY .....Third District
GARY C. OVITT.....Fourth District
JOSIE GONZALES .....Fifth District

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

CERTIFICATE OF COMPLIANCE

Return Certification within 30 **Days of Receipt to Inspector** Monica Ronchetti

In the Matter of Respondent: **Charles Linder**

Violation(s) cited on: **06/28/11** *FA #:* **0002943**

Facility Name: **Etiwanda Generating Station**

Site Address: **8996 Etiwanda Ave, Rancho Cucamonga, CA 91739**

Certificate of Compliance Date: **08/02/11**

I certify under penalty of law that:

- *Respondent has corrected the violations specified in the above-entitled action.*
- *I have personally examined any documentation attached to this certification to establish that the violations have been corrected.*
- *Based on my examination of the attached documentation and inquiry of the individuals, who prepared or obtained them, I believe the information to be true, accurate and complete.*
- *I am authorized to file this certification on behalf of the Respondent.*
- *I am aware there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.*

Signature	*Date* September 1, 2011
Monte D. Ash *Printed or Typed Name*	Vice President *Title*

Attach the following documentation when returning the Certificate of Compliance:

106, 116, 119, & 135 - Remove used oil from the secondary containment unit and place in an appropriate container. Submit a signed statement indicating that the secondary containment unit will not be used to store used oil and an appropriate container has been provided.
111 - Hazardous waste labeling was corrected during the inspection.
204 - Report any release or threatened release of hazardous materials or hazardous waste to this department and the Cal EMA as described in your San Bernardino County Fire Business Emergency Contingency Plan. Additionally, the CUPA requires a written report within 15 days after any reportable release or threatened release. Provide a written report of the release of aqueous ammonia that occurred on June 10, 2010.
417 &418 - Review and update the Prevention Plan contact list of the RMP. Update the RMP to reflect the name change of the owner of the facility. Submit an updated RMP to this division.

CUPA

San Bernardino County Fire Department • Hazardous Materials Division

620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

HAZARDOUS WASTE GENERATOR AND HAZARDOUS MATERIALS HANDLER INSPECTION REPORT

FA #: 0002943 Facility Name: Etiwanda Generating Station Inspection Date: 06/28/11

Site Address: 8996 Etiwanda Ave Phone #: 909-899-7260

City: Rancho Cucamonga Zip Code: 91739 EPA ID #: CAR000038158

Consent Granted by:

☒ Inspect ☒ Photograph Name: Charles Linder Title: Environmental Specialist # Emp: 35

Refer to Title 19 and Title 22 of the California Code of Regulations (CCR), Chapter 6.5 of the Health and Safety Code (CHSC) and Division 3 of Title 2 of the San Bernardino County Code (CC). The following code sections are either in Violation (V) of, in Compliance (C) with, the applicable laws and regulations, or compliance is not applicable, not addressed or unknown (N).

GENERAL REQUIREMENTS FOR GENERATORS		V	C	N
101. Hazardous Waste Generator Permit current	CC 23.0602(b)(1)		X	
102. Facility access for inspection granted - HW only	CHSC 25185		X	
103. Hazardous Waste determination made	CCR 66262.11			X
104. EPA ID Number obtained	CCR 66262.12(a)		X	
105. Hazardous Waste storage/treatment authorization	CHSC 25189.5(d)			X
106. Facility operated/maintained to prevent release/fire	CCR 66265.31	X		
107. Contingency Plan established	CCR 66265.51(a)		X	
108. Recyclable materials managed lawfully	CHSC 25143.2			X
905. Universal Waste managed lawfully	CCR 66273.1		X	
STORAGE AND LABELING REQUIREMENTS				
110. Tank/container labeled/marked "Hazardous Waste"	CCR 66262.34(f)(3)		X	
111. Hazardous Waste label complete	CCR 66262.34(f)(3)	X		
112. Accumulation start date on tank/container	CCR 66262.34(f)(2)		X	
113. Hazardous Waste accumulation time not exceeded	CCR 66262.34		X	
114. Hazardous Waste containers sound	CCR 66265.171		X	
115. Hazardous Waste containers not leaking	CCR 66265.173(b)		X	
116. Hazardous Waste containers closed	CCR 66265.173(a)	X		
117. Contaminated containers managed properly	CCR 66261.7		X	
118. Container storage area inspected weekly	CCR 66265.174		X	
119. Hazardous Waste managed lawfully	CHSC 25154	X		
120. Hazardous Waste aboveground tank system inspected	CCR 66262.34		X	
HAZARDOUS WASTE RECORDS AND MANIFESTS				
125. Hazardous Waste transported with a manifest	CCR 66262.20(a)		X	
126. Hazardous Waste manifest complete	CCR 66262.23		X	
127. Hazardous Waste manifests sent to DTSC	CCR 66262.23(a)(4)			X
128. Manifests retained for at least 3 years	CCR 66262.40(a)		X	
129. Biennial Report prepared	CCR 66262.41		X	
130. Hazardous Waste analyses retained for 3 years	CCR 66262.40(c)			X
131. Training documentation complete & available	CCR 66265.16		X	
132. Copy of completed SB 14 available	CCR 67100.3		X	
135. Used oil managed properly	CHSC 25250.4	X		
136. Used oil not contaminated with Hazardous Waste	CHSC 25250.7			X
137. Consolidated manifesting records available	CHSC 25160.2(b)(3)		X	
138. Used oil filters managed lawfully	CCR 66266.130			X
139. Spent lead acid batteries managed lawfully	CCR 66266.81			X
DISPOSAL AND TRANSPORTATION				
145. Illegal disposal/abandonment of Hazardous Waste	CHSC 25189.5(a)			X
146. Illegal disposal of used oil	CHSC 25250.5(a)			X
147. Transporting Hazardous Waste w/o valid registration	CHSC 25163			X
148. Hazardous Waste hauled by transporter w/o valid registration	CHSC 25163			X
149. Hazardous Waste transported to an unauthorized facility	CHSC 25189.5(c)			X

GENERAL REQUIREMENTS FOR HANDLERS		V	C	N
201. Hazardous Material Handler permit current	CC 23.0602(b)(3)		X	
202. Business Plan established	CHSC 25503.5		X	
203. Business Plan submitted/updated	CHSC 25505		X	
204. Hazardous Materials release reported	CHSC 25507	X		
205. Facility access for inspection granted – HM	CHSC 25508		X	
206. Regulated Substances registration filed	CHSC 25533		X	
207. SPCC Plan prepared	CHSC 25270.4.5		X	

INSPECTION NARRATIVE

An inspection was conducted on June 28, 2011 to determine compliance with hazardous materials, hazardous waste, and the California Accidental Release Prevention (CalARP) program laws and regulations. Charles Linder, Environmental Specialist from GenOn consented to the inspection and photographs. Also present during the inspection was Kathleen Brundage, Hazardous Materials Specialist III from San Bernardino County Fire, and the following representatives from GenOn: Julie Babcock, CA Environmental Operations, Pierce Harvey, Environmental Specialist, Charles Linder, Environmental Specialist, Thomas Bertolini, Senior Environmental Engineer and Apeetha Jain, Air Specialist. Lee Moore, General Manager, joined us later during the documentation review.

Etiwanda Generating Station generates electricity through the combustion of natural gas. The plant has five generating units, three of which have been decommissioned. Generating units 3 & 4 are the only units currently operating. The Etiwanda Generating Stations uses satellite accumulation for its hazardous waste. The accumulation start dates and accumulation time limits were properly marked at the time of

☒ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 30 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspected By: _____ Sign Name

Monica Ronchetti Print Name

Received By: CERTIFIED MAIL Sign Name

_____ Print Name

Title: _____

Report Date: 08/02/11

Form Revised 1/16/2007

Charles Linder
Environmental Specialist
Etiwanda Generating Station

8996 Etiwanda Ave.
Rancho Cucamonga, CA 91739
Phone: 909.899.7290
Fax: 909.899.7222
Cell: 202.302.0440
charles.linder@genon.com

Tom Bertolini
Senior Environmental Engineer

696 West 10th St.
Pittsburg, CA 94565
Phone: 925.427.3503
Fax: 925.427.3511
Cell: 925 324 3503
tom.bertolini@genon.com

Julie A. Babcock
Manager
CA Environmental Operations

696 West 10th St.
Pittsburg, CA 94565
Phone: 702.407.4880
Fax: 702.407.4852
Cell: 702 400 8818
julie.babcock@genon.com

Pierce Harvey
Environmental Specialist
Coolwater Generating Station

37000 E. Santa Fe St.
Daggett, CA 92327
P.O. Box 337
Phone: 760.254.5205
Fax: 760.254.5293
Cell: 760 497 8060
Pierce.Harvey@genon.com

Lee J Moore
General Manager
Etiwanda Generating Station

8996 Etiwanda Ave.
Rancho Cucamonga, CA 91739
Phone: 909.899.7241
Fax: 909.899.7222
Cell: 909 841 5949
lee.moore@genon.com

SUPPLEMENTAL INSPECTION REPORT

INSPECTION DATE: 06/28/11		
FACILITY ID **0002943**	FACILITY NAME: **Etiwanda Generating Station**	FACILITY LOCATION: **8996 Etiwanda Ave, Rancho Cucamonga, 91739**
Consent Granted by: √Inspect √Photograph	NAME **Charles Linder**	TITLE **Environmental Specialist**

inspection. The facility stores approximately 500 - 800 pounds of 35% Hydrazine onsite to remove oxygen from the boiler water. The facility manages the hydrazine to keep the storage thresholds below the regulatory limits for CalARP.

The Etiwanda Generating Station is subject to the CalARP program level 1 due to the onsite storage of 19% aqueous ammonia. The facility stores approximately 30,000 pounds of 19% aqueous ammonia. Refer to the process the onsite storage of 19% aqueous ammonia.

Hazardous Materials Inventory:
Hazardous materials are accurately listed in the Business Plan with the exception of the newly installed 570-gallon aboveground tank of diesel fuel for the new fire pump house. Hazardous Materials were verified during the inspection.

Hazardous Waste Inventory:
90-Day Hazardous Waste Storage Area, area G:
(1) 55-gallon drum of hydraulic waste oil
(1) 55-gallon drum of lead paint debris
(3) 55-gallon drums of oily waste debris
(6) 55-gallon drums of used oil

Empty Container Storage, Area G:
(6) empty 55-galllon drums

Unit 4, Area B:
(1) ~85-gallon spill containment unit storing used oil
(1) 55-gallon drum of oily debris
(1) 55-gallon drum of waste oil
(1) 55-gallon drum of spent aerosol cans

Warehouse, Area E:
(1) box of fluorescent light tubes
(1) 5-gallon bucket of fluorescent bulbs
(1) tri-walled box of e-waste
(3) 5-gallon buckets of spent household batteries

Maintenance Building, Area E:
(1) 55-gallon drum of waste oil
(1) 55-gallon drum of oily debris
(1) 55-gallon drum of spent aerosol cans
(1) 5-gallon bucket of fluorescent light ballasts
(1) 5-gallon bucket of mercury switches

Area I:
(1) 1900 gallon container of waste oil from the oil water separator
(1) empty container > 1000-gallons used for waste oil collection from the oil water separator

Documentation:
The facility provided the following documentation for review during the inspection:

- Emergency Response Procedures
- Standard Operating Procedures for aqueous ammonia
- Risk Management Plan
- 2011 employee safety training matrix. The following is list of some of the online training that is provided to employees: Ammonia awareness, hazardous waste manifest training, hazmat awareness, labeling, first responder awareness, spill prevention control & countermeasure, RCRA, and California waste management. Select employees are trained as first responders and fit tested.
- Current 2011 Business Plan
- SPCC Plan last updated 8/2010.
- SB14 Report dated 8/2007.

☒ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 30 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspected By: _____ (Sign Name) Received By: CERTIFIED MAIL (Sign Name) Title: _____

Monica Ronchetti (Print Name) _____ (Print Name) Report Date: 08/02/11

Form Revised 1/16/2007

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

SUPPLEMENTAL INSPECTION REPORT

INSPECTION DATE: 06/28/11		
FACILITY ID **0002943**	FACILITY NAME: **Etiwanda Generating Station**	FACILITY LOCATION: **8996 Etiwanda Ave, Rancho Cucamonga, 91739**
Consent Granted by: √Inspect √Photograph	NAME **Charles Linder**	TITLE **Environmental Specialist**

- Biennial Report with and expiration date of 11/30/11.
- Hazardous waste manifests.
- Weekly inspection records.

Violations to be corrected within 30 days:

106. Facility not operated to prevent a spill or release – CCR 66265.31

116. Hazardous waste containers not closed – CCR 66265.173(a)

119. Unlawful management of hazardous waste-CHSC 25154

135. Used oil not managed properly – CHSC 25250.4

Facilities shall be maintained and operated to minimize the possibility of a fire, explosion, or any release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment. Any container holding hazardous waste shall be kept closed during storage and transfer unless adding or removing waste. Facilities must manage hazardous waste in accordance with all applicable laws and regulations. Used oil shall be managed as a hazardous waste and must be kept in closed containers or tanks, properly labeled including the accumulation start date, and removed off-site by a licensed waste hauler within the accumulation time limit.

The facility is not being maintained and operated in a manner to prevent fire or release from hazardous materials or hazardous waste. Observed an 85-gallon spill containment unit that was being used to drain and store used oil. Five gallon buckets used to collect oil from equipment maintenance were being allowed to drain into the secondary containment unit. The used oil is stored in the containment unit until it can be transferred to a designated used oil container. The secondary containment unit is not drained daily.

Compliance Requirement:

Remove used oil from the secondary containment unit and place in an appropriate container. Submit a signed statement indicating that the secondary containment unit will not be used to store used oil and an appropriate container has been provided.

111. Hazardous waste label not complete CCR 66262.34(f)(3)

All containers and tanks used to store a hazardous waste must be labeled or marked with the words "Hazardous Waste;" and include the following information: generator name and address; hazardous properties of the waste; composition & physical state of the waste; and the accumulation start date

On 12/03/2010, RRI Energy, Inc. and Mirant Corporation merged to form GenOn Energy, Inc. There was no change in the Etiwanda Generating Station operations. Observed many hazardous waste labels with RRI listed as the generator of the waste with a current accumulation start date.

☒ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 30 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspected By: _____ Sign Name
Monica Ronchetti
Print Name

Received By: CERTIFIED MAIL
Sign Name
_____
Print Name

Title: _____

Report Date: 08/02/11

Form Revised 1/16/2007

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

SUPPLEMENTAL INSPECTION REPORT

INSPECTION DATE: 06/28/11		
FACILITY ID **0002943**	FACILITY NAME: **Etiwanda Generating Station**	FACILITY LOCATION: **8996 Etiwanda Ave, Rancho Cucamonga, 91739**
Consent Granted by: √Inspect √Photograph	NAME **Charles Linder**	TITLE **Environmental Specialist**

Compliance requirement:
Properly complete the hazardous waste labels as indicated including the correct facility name. Hazardous waste labeling was corrected during the inspection.

204. Hazardous materials release not reported – CHSC 25507
The handler or any employee, authorized representative agent, or designee of a handler shall, upon discovery, immediately report any release or threatened release of a hazardous material to the administering agency and the Governor's Office of Emergency Services, as described in the San Bernardino County Fire Business Emergency Contingency Plan, Emergency Response Plans & Procedures-Agency Notification page.

The facility had a release of 15-gallons of 19% aqueous ammonia on June 10, 2010, during a routine unloading of the material. The transfer pump suction hose came loose and spilled onto the pavement of the secondary containment area. The truck driver stopped the transfer and evacuated upwind from the spill site. The operator put on a respirator and diluted the ammonia with water. The spill was contained to the secondary containment area. Operator responded to the incident but the release was not reported to this division or to the Cal EMA.
Compliance requirement:
Report any release or threatened release of hazardous materials or hazardous waste to this department and the Cal EMA as described in your San Bernardino County Fire Business Emergency Contingency Plan. Additionally, the CUPA requires a written report within 15 days after any reportable release or threatened release. Provide a written report of the release of aqueous ammonia that occurred on June 10, 2010.

NOTE: Update the RMP Emergency Response Plan to reflect the reporting of any release or threatened release of hazardous materials or hazardous waste to this department and Cal EMA and verify and update the phone numbers listed in the Emergency Response Plan section 8.7.4.

417. Failure to update the RMP every 5 years, within 6 months of a change, or within 30 days of an Owner/operator change- CCR 2745.10
418. Failure to correct the RMP within 6 months of a release or 30 days of a change in contact information- CCR 2745.10.5
Owner/operator shall update the RMP every 5 years, within 6 months of change causing a revised PHA/Hazard Review, or within 30 days of an Owner/operator change. Owner/operator shall correct the RMP within 6 months of an accidental release or within 30 days of a change in emergency contact information.

The Prevention Plan contact list, (table G-1, dated 3/31/09), in the RMP, includes an emergency contact, Paul Lacroix, who was previously employed with RRI and does not work for GenOn. The owner information is different than what is listed in the RMP. The RMP received by this division on August 7, 2009 lists RRI Energy Etiwanda,

☒ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 30 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspected By: _____ Sign Name
Monica Ronchetti Print Name

Received By: CERTIFIED MAIL Sign Name
_____ Print Name

Title: _____

Report Date: 08/02/11

Form Revised 1/16/2007

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

SUPPLEMENTAL INSPECTION REPORT

INSPECTION DATE: 06/28/11		
FACILITY ID **0002943**	FACILITY NAME: **Etiwanda Generating Station**	FACILITY LOCATION: **8996 Etiwanda Ave, Rancho Cucamonga, 91739**
Consent Granted by: √Inspect √Photograph	NAME **Charles Linder**	TITLE **Environmental Specialist**

Inc. as the owner of this facility. On 12/03/2010, RRI Energy, Inc. and Mirant Corporation merged to form GenOn Energy, Inc. GenOn is the current owner of the Etiwanda Generating Station.

Compliance requirement:
Review and update the Prevention Plan contact list of the RMP. Update the RMP to reflect the name change of the owner of the facility. Submit an updated RMP to this division.

Submit the corrections requested above along with the signed Certificate of Compliance within 30 days. If you have any questions, please contact me at (909) 386-8401 or mronchetti@sbcfire.org

☒ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 30 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspected By: _____ (Sign Name)
Monica Ronchetti (Print Name)

Received By: CERTIFIED MAIL (Sign Name)
_____ (Print Name)

Title: _____

Report Date: 08/02/11

Form Revised 1/16/2007

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

CERTIFICATE OF COMPLIANCE

Return Certification within 30 **Days of Receipt to Inspector** Monica Ronchetti

In the Matter of Respondent: **Charles Linder**

Violation(s) cited on: **06/28/11** *FA #:* **0002943**

Facility Name: **Etiwanda Generating Station**

Site Address: **8996 Etiwanda Ave, Rancho Cucamonga, CA 91739**

Certificate of Compliance Date: **08/02/11**

I certify under penalty of law that:

- *Respondent has corrected the violations specified in the above-entitled action.*
- *I have personally examined any documentation attached to this certification to establish that the violations have been corrected.*
- *Based on my examination of the attached documentation and inquiry of the individuals, who prepared or obtained them, I believe the information to be true, accurate and complete.*
- *I am authorized to file this certification on behalf of the Respondent.*
- *I am aware there are significant penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.*

Signature	*Date*
Printed or Typed Name	*Title*

Attach the following documentation when returning the Certificate of Compliance:

106, 116, 119, & 135 - Remove used oil from the secondary containment unit and place in an appropriate container. Submit a signed statement indicating that the secondary containment unit will not be used to store used oil and an appropriate container has been provided.
111 - Hazardous waste labeling was corrected during the inspection.
204 - Report any release or threatened release of hazardous materials or hazardous waste to this department and the Cal EMA as described in your San Bernardino County Fire Business Emergency Contingency Plan. Additionally, the CUPA requires a written report within 15 days after any reportable release or threatened release. Provide a written report of the release of aqueous ammonia that occurred on June 10, 2010.
417 &418 - Review and update the Prevention Plan contact list of the RMP. Update the RMP to reflect the name change of the owner of the facility. Submit an updated RMP to this division.

PHOTO NARRATIVE

PHOTO 1



PHOTO 2



Facility/Case Name: **GenOn (formerly RRI Energy)** Facility ID #: **FA0002943**

Address: **8996 Etiwanda Avenue, Rancho Cucamonga, CA 91739**

1) Description: **Front entrance of facility.**

2) Description: **Front entrance of facility**

Date Taken: **06/28/2011**

Taken By: **Kathleen Brundage** Signature: Kathleen Brundage

Revised 10/12/2000

PHOTO NARRATIVE

PHOTO 3



PHOTO 4



Facility/Case Name: **GenOn (formerly RRI Energy)** Facility ID #: **FA0002943**

Address: **8996 Etiwanda Avenue, Rancho Cucamonga, CA 91739**

3) Description: **Drums stored in the 90-day hazardous waste storage area. All containers were labeled and labels were complete. Labels with RRI Energy name were corrected to GenOn at the time of the inspection. Area is bermed, covered and inspected daily.**

4) Description: **Instructional board for drum labeling procedures in 90-day hazardous waste storage area..**

Date Taken: **06/28/2011**

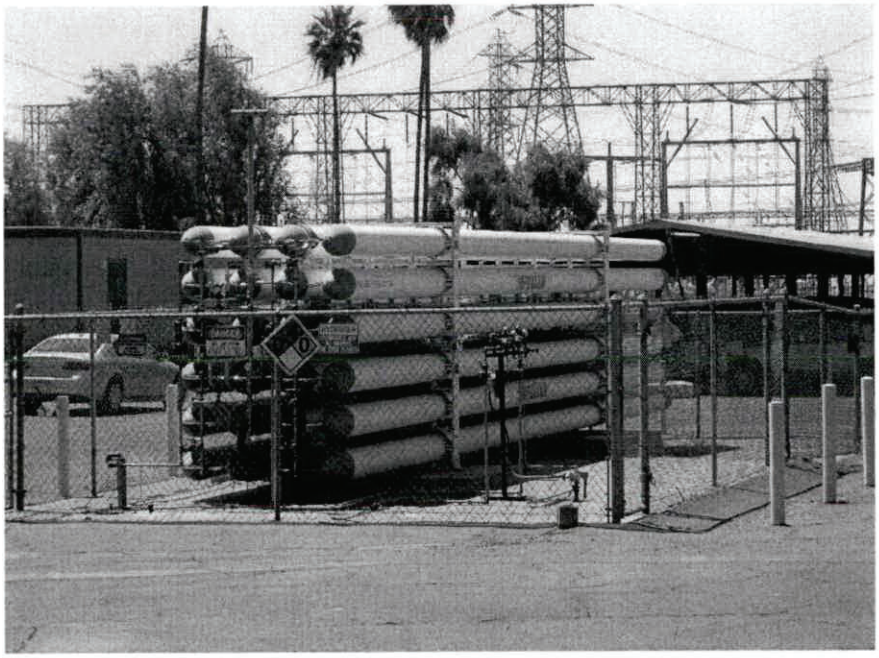
Taken By: **Kathleen Brundage** Signature: Kathleen Brundage

PHOTO NARRATIVE

PHOTO 5



PHOTO 6



Facility/Case Name: **GenOn (formerly RRI Energy)** Facility ID #: **FA0002943**

Address: **8996 Etiwanda Avenue, Rancho Cucamonga, CA 91739**

5) Description: **Empty drums stored in the 90-day hazardous waste storage area. All containers were labeled and labels were complete. Area is bermed, covered and inspected daily.**

6) Description: **Hydrogen bank – used for cooling electrical system for the generators. The quantity of hydrogen stored is below threshold for CalARP.**

Date Taken: **06/28/2011**

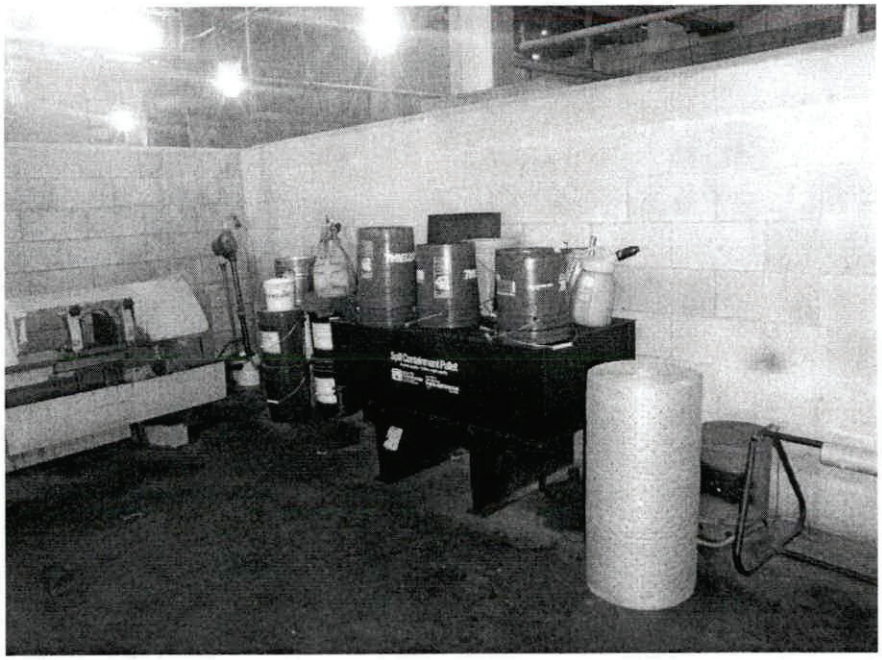
Taken By: **Kathleen Brundage** Signature: Kathleen M Brundage

PHOTO NARRATIVE

PHOTO 7



PHOTO 8



Facility/Case Name: **GenOn (formerly RRI Energy)** Facility ID #: **FA0002943**

Address: **8996 Etiwanda Avenue, Rancho Cucamonga, CA 91739**

7) Description: **Bulk lubricating oil storage. Drums have drip pads and pans for collection of minor drips that may occur during transfer.**

8) Description: **Secondary containment unit that is utilized for the collection of used oil from facility operations and maintenance. Buckets used to collect oil from various equipment are allowed to drain into the unit. The oil appears to be stored in this unit. It is required that the oil be drained from the unit and collected in a manner where oil is not stored in this unit.**

Date Taken: **06/28/2011**

Taken By: **Kathleen Brundage** Signature: Kathleen M Brundage

PHOTO NARRATIVE

PHOTO 9

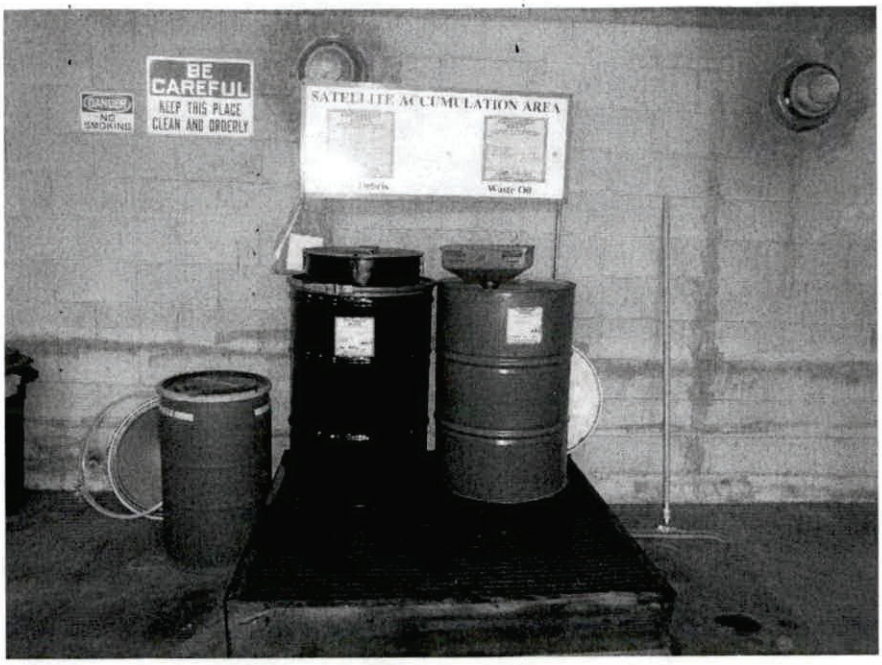
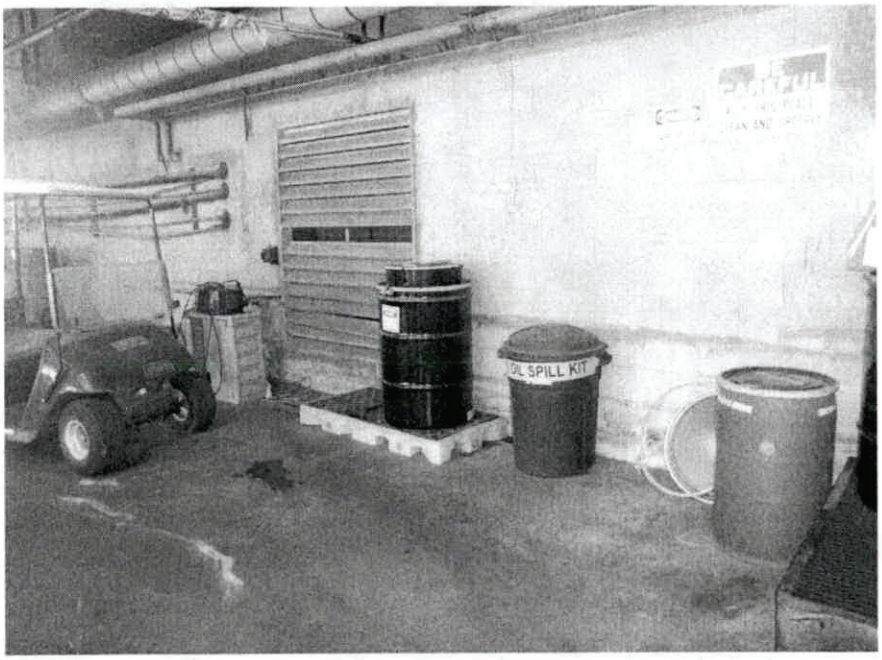


PHOTO 10



Facility/Case Name: **GenOn (formerly RRI Energy)** Facility ID #: **FA0002943**

Address: **8996 Etiwanda Avenue, Rancho Cucamonga, CA 91739**

9) Description: **Satellite accumulation area - Unit 4. Containers were labeled and properly dated. Labels that had RRI Energy were corrected to reflect GenOn.**

10) Description: **Containment drum for universal waste. Spill kit adjacent to the containment pallet. Blue drum was empty. Electrical connection point for the recharging of maintenance cart. Area is inspected regularly.**

Date Taken: **06/28/2011**

Taken By: **Kathleen Brundage** Signature: Kathleen M Brundage

PHOTO NARRATIVE

PHOTO 11

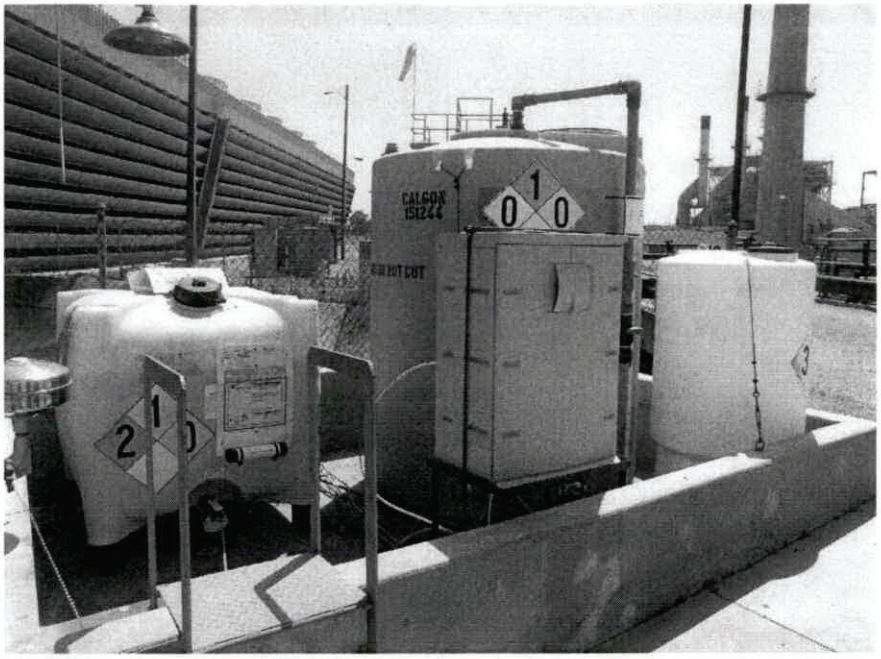
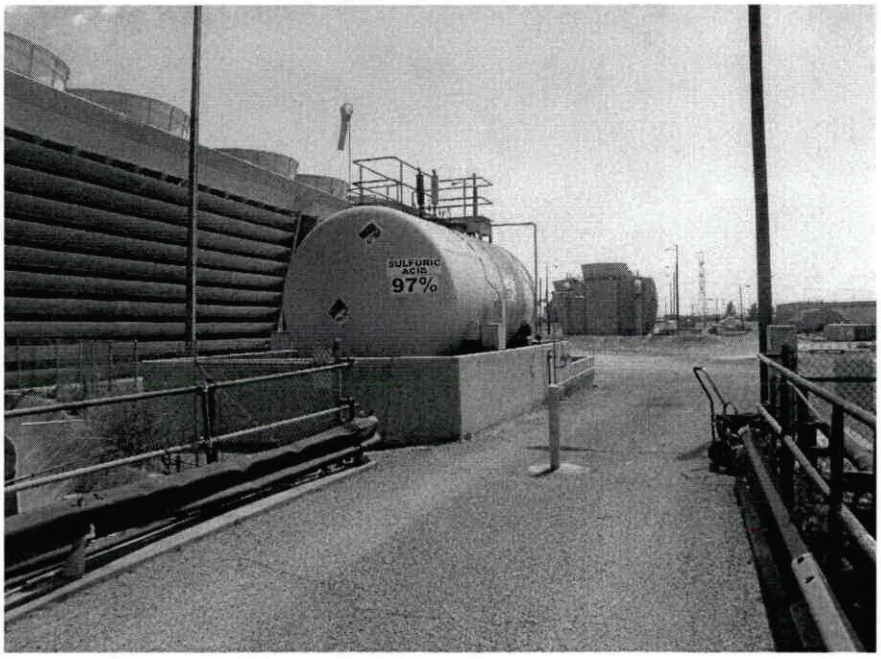


PHOTO 12



Facility/Case Name: **GenOn (formerly RRI Energy)** Facility ID #: **FA0002943**

Address: **8996 Etiwanda Avenue, Rancho Cucamonga, CA 91739**

11) Description: **Tanks of biocides and cooling tower additives utilized for algae control for the cooling towers. AN identical set up is utilized for cooling tower #3.**

12) Description: **AST of sulfuric acid used to adjust pH for cooling towers. An identical set up is utilized for cooling tower #3.**

Date Taken: **06/28/2011**

Taken By: **Kathleen Brundage** Signature: Kathleen M Brundage

PHOTO NARRATIVE

PHOTO 13

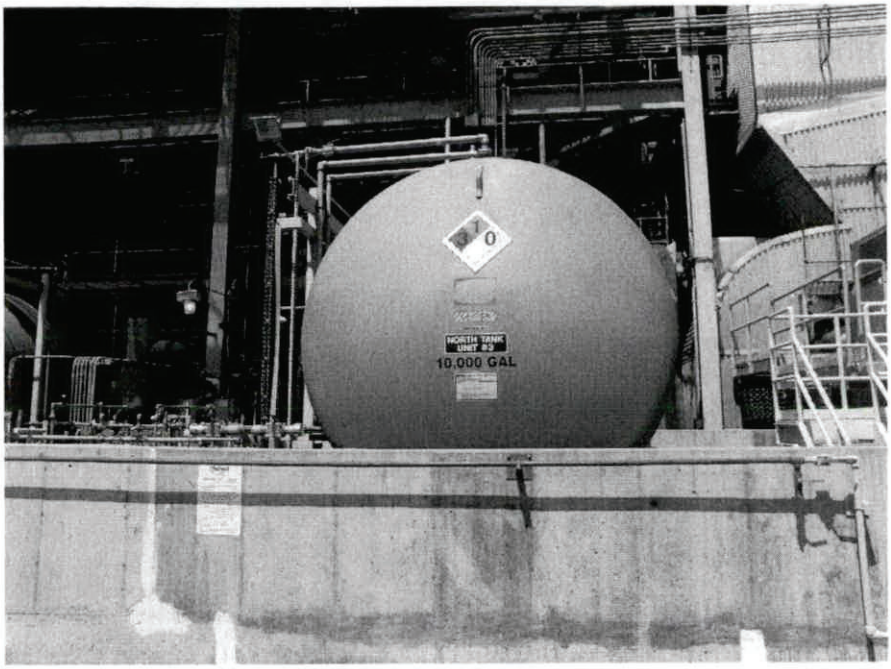
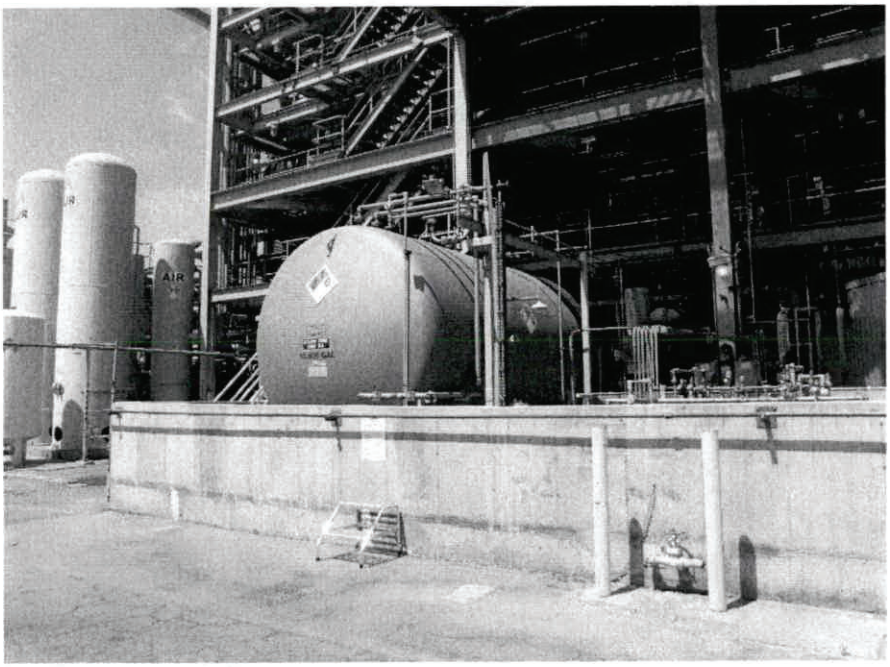


PHOTO 14



Facility/Case Name: **GenOn (formerly RRI Energy)** Facility ID #: **FA0002943**

Address: **8996 Etiwanda Avenue, Rancho Cucamonga, CA 91739**

13) Description: **North tank for the storage of aqueous ammonia. The aqua ammonia is utilized for NOx control for the boiler emissions for Unit 3 & 4. Tank has a 10,000 gallon storage capacity. These units are subject to CalARP regulations. These units fill a day tank utilized in the boiler water treatment area.**

14) Description: **South tank for aqua ammonia storage. Area has secondary containment and is inspected daily. 35% Hydrazine is stored in a tote behind these units. The hydrazine is managed under administrative controls to keep storage thresholds from exceeding the regulatory limits under CalARP.**

Date Taken: **06/28/2011**

Taken By: **Kathleen Brundage** Signature: Kathleen M Brundage

PHOTO NARRATIVE

PHOTO 15

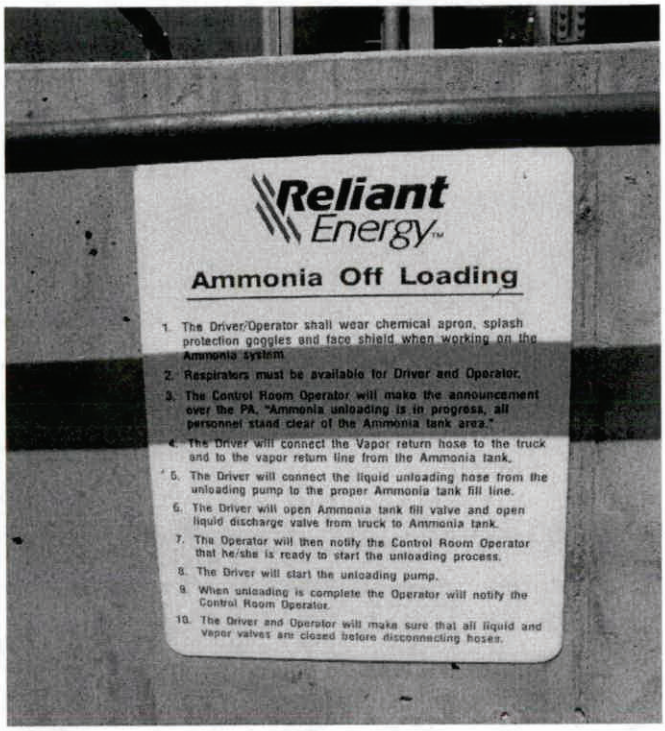


PHOTO 16



Facility/Case Name: **GenOn (formerly RRI Energy)** Facility ID #: **FA0002943**

Address: **8996 Etiwanda Avenue, Rancho Cucamonga, CA 91739**

15) Description: **Signage on the secondary containment wall of the Aqueous Ammonia storage area. Identifies the off-loading requirements for delivery of the ammonia.**

16) Description: **Sodium hypochlorite storage tank. Utilized in cooling tower water treatment system. 3000 gallon capacity. Tank has secondary containment and is regularly inspected.**

Date Taken: **06/28/2011**

Taken By: **Kathleen Brundage** Signature: Kathleen M Brundage

PHOTO NARRATIVE

PHOTO 17

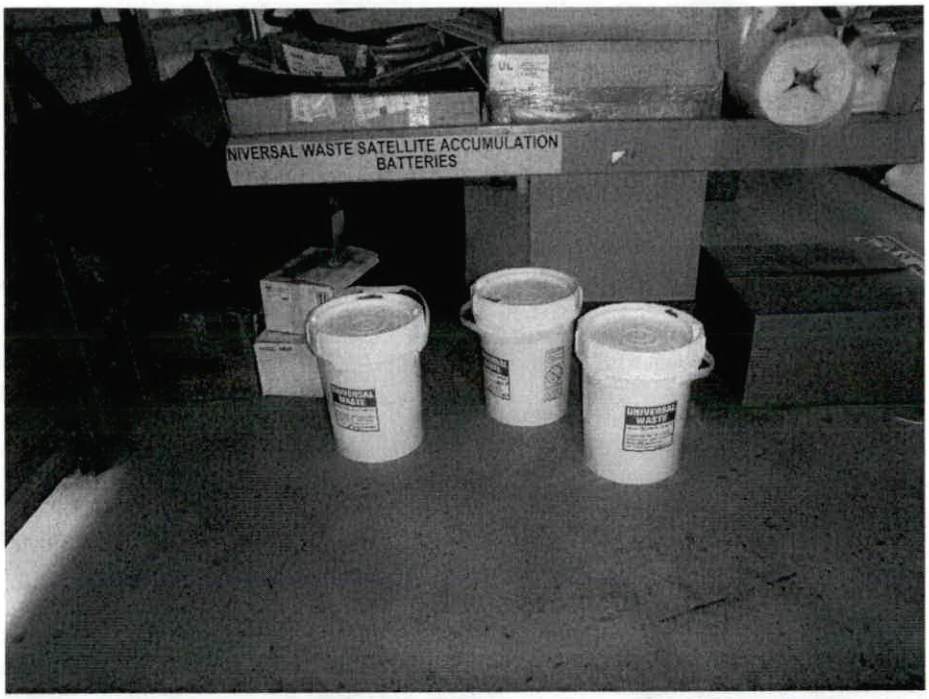
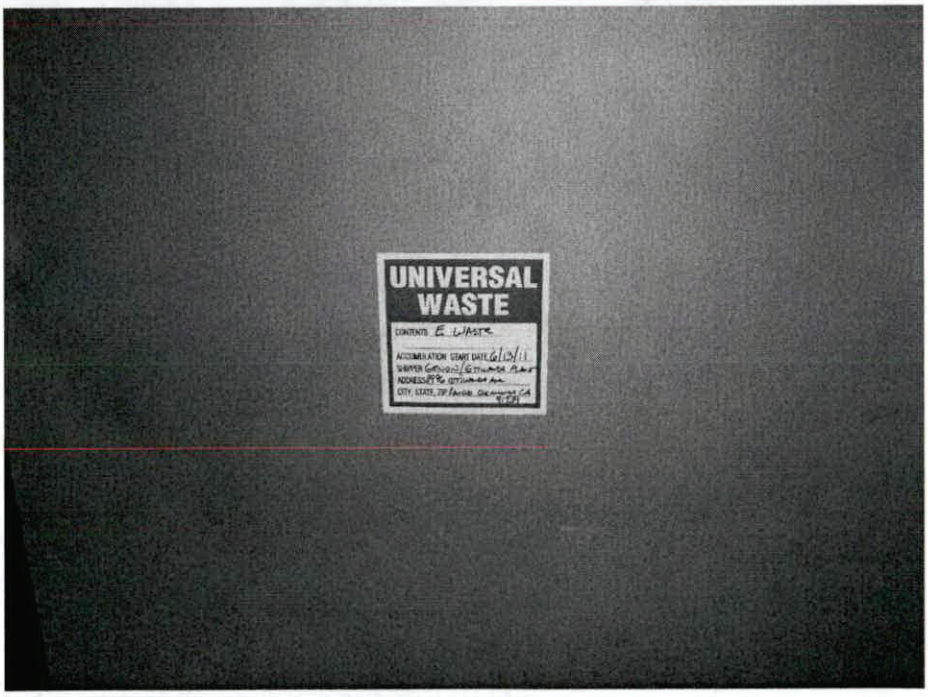


PHOTO 18



Facility/Case Name: **GenOn (formerly RRI Energy)** Facility ID #: **FA0002943**

Address: **8996 Etiwanda Avenue, Rancho Cucamonga, CA 91739**

17) Description: **Universal waste – batteries – collection point. These containers were labeled properly. This collection point is located in the warehouse.**

18) Description: **Sample of labeling utilized for e-waste containers.**

Date Taken: **06/28/2011**

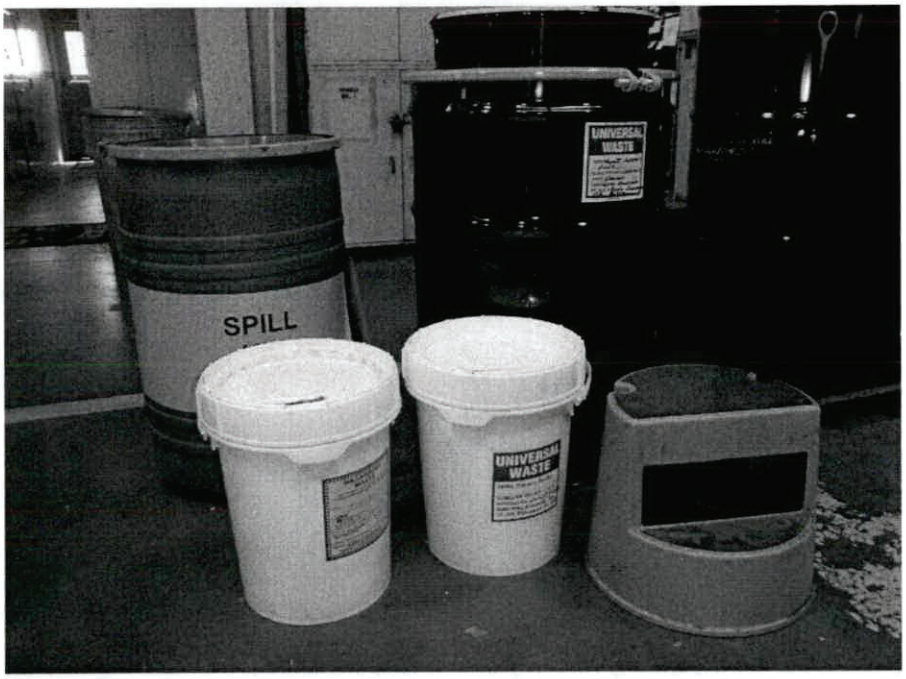
Taken By: **Kathleen Brundage** Signature: Kathleen M Brundage

PHOTO NARRATIVE

PHOTO 19



PHOTO 20



Facility/Case Name: **GenOn (formerly RRI Energy)** Facility ID #: **FA0002943**

Address: **8996 Etiwanda Avenue, Rancho Cucamonga, CA 91739**

19) Description: **Satellite accumulation area in maintenance building. Container labels were complete and within accumulation time limits for a satellite area. Containment area is inspected daily.**

20) Description: **Universal waste collection in maintenance area. Spill kit adjacent to the containment / storage area.**

Date Taken: **06/28/2011**

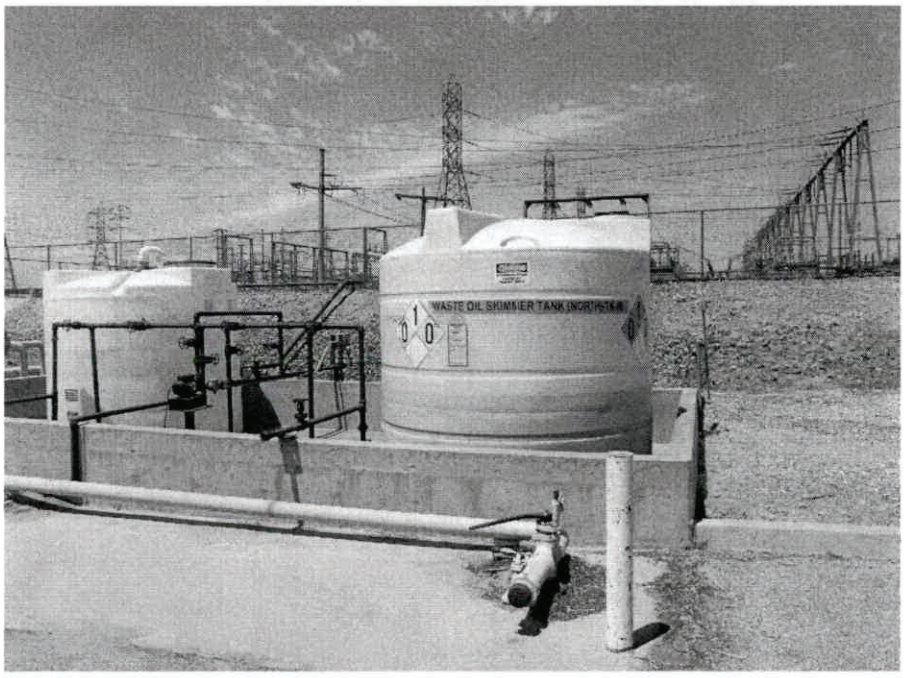
Taken By: **Kathleen Brundage** Signature: Kathleen M Brundage

PHOTO NARRATIVE

PHOTO 21



PHOTO 22



Facility/Case Name: **GenOn (formerly RRI Energy)** Facility ID #: **FA0002943**

Address: **8996 Etiwanda Avenue, Rancho Cucamonga, CA 91739**

21) Description: **Gasoline AST – 300 gallon storage capacity. AST is a Convault system providing monitoring and secondary containment.**

22) Description: **Waste oil skimmer units. Waste oil from skimming the retention ponds is collected in these tanks for holding prior to disposal. Tanks are in secondary containment. Containment area is dry and clean of debris. Area is inspected.**

Date Taken: **06/28/2011**

Taken By: **Kathleen Brundage** Signature: Kathleen M Brundage

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 •www.sbcfire.org

PRELIMINARY FIELD INSPECTION REPORT

INSPECTION DATE: 6-28-11

FACILITY ID	FACILITY NAME:	FACILITY LOCATION:
CUO2943	Etiwanda Generating Station	8996 Etiwanda Ave, Rancho Cucamonga 91739
Consent Granted by: ☒ Inspect ☒ Photograph	NAME Lee Moore	TITLE General Manager

The following is a preliminary list of violations observed at the time of inspection. The final report may list additional violations. Violations must be corrected within 30 days of receipt of the final report unless otherwise specified below.

An inspection was conducted today 6-28-11 to determine compliance with hazardous materials, hazardous waste and CalARP laws and regulations.

111- Hazardous Waste label not complete CCR 66262.34(f)(3)
Observed multiple Hazardous waste labels with previous name of RRI. A Hazardous waste label must include the name of the Generator, address of generator, Contents, Hazardous properties, physical state and accumulation start date.
Compliance Requirement: Label all Hazardous Waste with correct generator name. This violation was corrected during the inspection.

116- Hazardous Waste containers not closed. CCR 66265.173(a)
119- Hazardous Waste not managed lawfully CHSC 25154
135- Used oil not managed properly - CHSC 25250.4
Used oil shall be managed as hazardous waste, labeled, in closed containers, and disposed of within accumulation time limits.
Observed an 85-gal Spill Containment Pallet with oil in the containment. The Containment pallet is used to drain 5gal buckets of oil. The Containment is pumped out monthly.
Compliance Requirement: Dispose of used oil in the used oil drum. ~~Do not use Spill Containment to drain 5-gal buckets.~~ daily.

Inspected By: _____ Sign Name
Monica Ronchetti Print Name

Received By: _____ Sign Name
Lee T. Moore Print Name

Title: General Manager

Report Date: 6-28-11

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 •www.sbcfire.org

PRELIMINARY FIELD INSPECTION REPORT

INSPECTION DATE: 6-28-11		
FACILITY ID: 0002943	FACILITY NAME: Etiwanda Generating Station	FACILITY LOCATION: 8996 Etiwanda Ave, Rancho Cucamonga 91739
Consent Granted by: ☒ Inspect ☒ Photograph	NAME: Lee Moore	TITLE: General Manager

The following is a preliminary list of violations observed at the time of inspection. The final report may list additional violations. Violations must be corrected within 30 days of receipt of the final report unless otherwise specified below.

204- Hazardous Materials release not reported. CHSC 25507
A Facility is required to report a release of any Hazardous Materials to this Department. The facility had a release of 15-gallons of 19% Ammonia on June 10, 2010, during the unloading of the material. Operator responded to the incident but the release was not reported to this department.
Compliance Requirement: Report all releases of hazardous materials or hazardous waste to this department.

The final report may include additional violations. If you have any questions please contact me at (909) 386-8401 or mronchetti@sbcfire.org

Inspected By: _____ Sign Name
Monica Ronchetti Print Name

Received By: _____ Sign Name
C. J. Moore Print Name

Title: General Manager

Report Date: 6-28-11

SAN BERNARDINO COUNTY FIRE DEPARTMENT Facility File

SOURCE - FACILITY RELEASE REPORT

SITE LOCATION: **8996 ETIWANDA AVE RANCHO CUCAMONGA** RECORD ID: **CO0028479**
RELATED ID: ACCOUNT ID: **AR0002943**

FACILITY INFO

FACILITY: **FA0002943**
FACILITY NAME: **GENONWEST, LP**
FACILITY ADDRESS: **8996 ETIWANDA AVE**
CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP: **91739**

CONTACT

COMPLAINT

COMPLAINANT: **CHARLES - EHS**
ADDRESS:
CITY:
COUNTRY: **USA** STATE: ZIP:
WORK PHONE: **202-302-0440** EXT:
HOME PHONE: EXT:
FAX:
EMAIL ADDRESS:

DISPOSITION

RECEIVED BY: **CARLEEN WILEY**
RECEIVED DATE: **05/09/2011** RECEIVED TIME: **16:19:50**
ASSIGNED TO:
ASSIGNED DATE: ASSIGNED TIME:
STATUS: **CLOSED**
PROGRAM ELEMENT:

INFORMATION

PROPERTY INFO

PROP NAME: **GENONWEST, LP**
BUS NAME: **GENON WEST, LP**
ADDRESS: **8996 ETIWANDA AVE**
2nd ADDRESS:
CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP: **91739**
COUNTRY:
PHONE 1: **909-899-7260** EXT:

OWNER'S INFO

OWNER NAME: **GENON WEST LP**
BUSINESS NAME:
ADDRESS: **8996 ETIWANDA AVE**
2ND ADDRESS:
CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP: **91739--917**
HOME PHONE: **909-899-7260** EXT: **PH**
WORK PHONE: **909-899-7238** EXT: **PH**

LOCATION

LOCATION

CENSUS: JURISDICTION:
DISTRICT: PROPERTY TYPE:
LOCATION: INSPECTION CODE:
CITY CODE: APN: **022928328000**

ER INFO (UDF)

OES NUMBER: HOURS: RESPONDING AGENCY 1:
INCIDENT TYPE: **RELEASE/ FACILITY RELATED** RESPONDING AGENCY 2:
ENVIRONMENT TYPE: **FACILITY SITE** RESPONDER 1:
REFERRAL AGENCY: REFERRAL DATE: RESPONDER 2:
HAULER'S NAME: RESPONDER 3:
NUMBER HOSPITALIZED: RESPONDER 4:
CHEMICAL INFO 1: **COOLING WATER - 150 GALLONS** CHEMICAL INFO:
AGENCY NOTIFICATION: **Y**
DRUG LAB: RELEASED ☐ CONTAINED ☑ REMOVED ☐
E/R TEAM RESPONDED:
COST RECOVERY:

SUSPECT

PARTY NAME: DOB:
COMPANY NAME: PHONE: EXT:
ADDRESS: LICENSE NUMBER:

INSPECTED/RESOLVED

EMPLOYEE: **CARLEEN WILEY** RESOLVE DATE: **05/09/2011** REQUIRES FURTHER ACTION ☐

00028479

FA 2943

8996 Etiwanda R.C

California Emergency Management Agency
Hazardous Materials Spill Report

DATE: 05/09/2011 TIME: 1617	RECEIVED BY: Cal EMA - Ruben Rodriguez OSPR -	CONTROL#: Cal EMA - 11-2867 NRC -

1.a. PERSON NOTIFYING Cal EMA:

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:
Charles Linder	GenOn Energy	202-302-0440		909-899-7290

1.b. PERSON REPORTING SPILL (If different from above):

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:

2. SUBSTANCE TYPE:

2. a. SUBSTANCE:	b.QTY: >=<	Amount	Measure	c. TYPE:	d. OTHER:	e. VESSEL >= 300 Tons
1. Water	=	150	Gal(s)	OTHER	Water Mix	○ Yes ● No
2.	=					○ Yes ● No
3.	=					○ Yes ● No

e. DESCRIPTION: The release is comprised of cooling tower water from a power generating facility, which is a mixture of IEUA Inland Empire Utility Agency reclamation water (reclaimed water with well water mix), the reclaimed water portion is chlorinated, but it is unknown the exact amount of chlorination. The release pooled in nearby Chadwick Channel, a navigable waterway, which is dry at this time except for the water spilled. Caller states the release will probably evaporate by tomorrow.

f. CONTAINED:	g. WATER INVOLVED:	h. WATERWAY:	i.DRINKING WATER IMPACTED
Yes	No		

j. KNOWN IMPACT

Etiwanda

3. a. INCIDENT LOCATION: 8996 Dtiwanda Ave

b. CITY:	c. COUNTY:	d. ZIP:
Rancho Cucamonga	San Bernardino County	91739

4. INCIDENT DESCRIPTION:

a. DATE:	b. TIME (Military):	c. SITE:	d. CAUSE
05/09/2011	0830	Utilities/Substation	Mechanical
e. INJURIES	f. FATALITY	g. EVACUATION	h. CLEANUP BY:
○ Yes ● No	○ Yes ● No	○ Yes ● No	Will evaporate naturally

5. SUSPECTED RESPONSIBLE PARTY:

a. NAME:	b. AGENCY:	c. PHONE#:	d. EXT.:
Charles Linder	GenOn Energy	202-302-0440	

e. MAIL ADDRESS:	f. CITY:	g. STATE:	h. ZIP:
8996 Dtiwanda Ave	Rancho Cucamonga	CA	91739

6. NOTIFICATION INFORMATION:

a. ON SCENE:	b. OTHER ON SCENE:	c. OTHER NOTIFIED:
		CUPA

d. ADMIN. AGENCY: San Bernardino County Health Department **e. SEC. AGENCY:**

f. ADDITIONAL COUNTY: **g. ADMIN. AGENCY:**

h. NOTIFICATION LIST:

DOG Unit: RWQCB Unit: 8

☒ AA/CUPA	☐ AIR RESOURCES BD	☐ DPR	☐ Cal EMA HAZMATUNIT	☐ SFM	☐ OTHER
☒ DFG-OSPR	☐ CALTRANS	☐ EB PARKS	☐ Cal EMA PLANS UNIT	☐ USMMS	☐ DFG/OSPR/MSU
☒ DTSC	☐ CDF	☐ EMSA	☐ Cal EMA REG	☐ USCG	
☒ RWQCB	☐ COASTAL COM	☐ FEMA	☐ OSHA	☐ Co/WP	
☒ US EPA	☐ CDPH-D O	☐ FOOD & AG	☐ PARKS & REC	☐ Co/Hlth	
☒ USFWS	☐ DOG	☐ LANDS	☐ PUC	☐ Co/E-Hlth	

CONFIDENTIAL REMARKS :	

Warning.center@ops.calema.ca.gov; R9_RBC@EPA.GOV; DTSC.ER@gmail.com

FACILITY FILE ONLY (NON-HAZ) 5/9/2011

7251 Amigo Street, Suite 120
Las Vegas, NV 89119

May 5, 2010

Office of the Fire Marshal
San Bernardino County Fire Department
620 South E Street
San Bernardino, CA 92415-0179

Re: Permits PT0013929, PT0013930, PT0013931, PT0002263, PT0002264, PT0002265, and FA0002943; Subsidiary Consolidation

Office of the Fire Marshal:

The referenced permits are issued for the Etiwanda Generating Station owned by RRI Energy Etiwanda, Inc., which is a wholly-owned subsidiary of RRI Energy California Holdings, LLC. ("RRI Energy California").

As part of a subsidiary reduction effort by RRI Energy, Inc. (the ultimate parent of RRI Energy California), RRI Energy Etiwanda, Inc. and three (3) other wholly-owned subsidiaries of RRI Energy California merged with and into RRI Energy Ormond Beach, Inc., which is also a wholly-owned subsidiary of RRI Energy California, effective as of May 1, 2010. Following the merger, RRI Energy Ormond Beach, Inc. changed its name to RRI Energy West, Inc.

The effect of this merger was simply to consolidate the five (5) wholly owned subsidiaries of RRI Energy California into a single entity (RRI Energy Ormond Beach, Inc.), then change the name of that entity to RRI Energy West, Inc. RRI Energy West, Inc. will remain a wholly-owned subsidiary of RRI Energy California.

Following this corporate consolidation, the facility continues and will continue to be operated as the Etiwanda Generating Station. There is no change in facility owner, operator or control. Furthermore, there is no change in the facility operation, its emissions and discharges or any other conditions represented in the referenced permit.

Documentation evidencing the merger and name change is enclosed. If there are any questions, please contact me at (702) 407-4884 or rlawhn@rrienergy.com

Sincerely,

Robert W. Lawhn
Director-Environmental Compliance

RECEIVED
MAY 07 2010
S.B. CO. FIRE DEPT.

Enclosure

CC: L.J. Moore

Delaware

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AGREEMENT OF MERGER, WHICH MERGES:

"RRI ENERGY COOLWATER, INC.", A DELAWARE CORPORATION,

"RRI ENERGY ELLWOOD, INC.", A DELAWARE CORPORATION,

"RRI ENERGY ETIWANDA, INC.", A DELAWARE CORPORATION,

"RRI ENERGY MANDALAY, INC.", A DELAWARE CORPORATION,

WITH AND INTO "RRI ENERGY ORMOND BEACH, INC." UNDER THE NAME OF "RRI ENERGY ORMOND BEACH, INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE TWENTY-THIRD DAY OF APRIL, A.D. 2010, AT 3:36 O'CLOCK P.M.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF AGREEMENT OF MERGER IS THE FIRST DAY OF MAY, A.D. 2010, AT 12:01 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.



Jeffrey W. Bullock, Secretary of State

2889806 8100M

AUTHENTICATION: 7954406

100417694

DATE: 04-26-10

You may verify this certificate online at corp.delaware.gov/authver.shtml

State of Delaware
Secretary of State
Division of Corporations
Delivered 03:36 PM 04/23/2010
FILED 03:36 PM 04/23/2010
SRV 100417694 - 2889806 FILE

AGREEMENT OF MERGER MERGING EACH OF RRI ENERGY COOLWATER, INC. RRI ENERGY ELLWOOD, INC. RRI ENERGY ETIWANDA, INC. RRI ENERGY MANDALAY, INC., EACH A DELAWARE CORPORATION WITH AND INTO RRI ENERGY ORMOND BEACH, INC., A DELAWARE CORPORATION

AGREEMENT OF MERGER, dated to be effective as of May 1, 2010, between RRI Energy Coolwater, Inc., RRI Energy Ellwood, Inc., RRI Energy Etiwanda, Inc., and RRI Energy Mandalay, Inc., each a Delaware corporation (each, a "Merging Company"), and RRI Energy Ormond Beach, Inc., a Delaware corporation (the "Surviving Company").

WHEREAS, the Sole Director and Sole Stockholder of each Merging Company and the Surviving Company have approved the merger of each Merging Company with and into the Surviving Company (the "Merger") in accordance with the provisions of the General Corporation Law of the State of Delaware (the "DGCL").

NOW, THEREFORE, in consideration of the foregoing and the mutual covenants and agreements herein contained, and intending to be legally bound hereby, each Merging Company and the Surviving Company agree as follows:

1. Merger. Upon the terms and subject to the conditions hereof, and in accordance with the applicable provisions of this Agreement of Merger and the DGCL, effective at the Effective Time (as defined below), each Merging Company shall be merged with and into the Surviving Company and the Surviving Company shall continue to exist as the surviving corporation of the merger, and the separate existence of each Merging Company shall cease.

2. Effective Time. The Merger shall become effective as of May 1, 2010 at 12:01 a.m., Eastern Time (the "Effective Time").

3. Effects of Merger. The Merger shall have the effects as set forth herein and in the DGCL. Without limiting the generality of the foregoing, and subject thereto, at the Effective Time, all of the property, rights, privileges, powers and franchises of each Merging Company shall vest in the Surviving Company, and all debts, liabilities and duties of each Merging Company shall become the debts, liabilities and duties of the Surviving Company, all as provided under the DGCL.

4. Conversion of Interests. The manner and basis of converting the equity interest of each Merging Company and equity interest of the Surviving Company are as follows:

(i) The authorized, issued and outstanding stock in the Surviving Company shall not be converted or otherwise affected by the Merger provided for herein, but said authorized, issued and outstanding stock shall continue to be outstanding and owned by the owner thereof immediately prior to the Effective Time and shall continue to constitute 100% of the outstanding stock of the Surviving Company; and

(ii) The authorized, issued and outstanding stock in each Merging Company shall, as of the Effective Time, by virtue of the Merger provided for herein and without any action on the part of the holder thereof, be cancelled and retired and cease to exist without conversion or exchange or payment of any consideration therefor.

5. Organizational Documents of the Surviving Company. The Certificate of Incorporation and Bylaws of the Surviving Company, in force and effect as of the Effective Time, shall continue to be the Certificate of Incorporation and Bylaws, respectively, of the Surviving Company until amended as therein provided and in the manner prescribed by the provisions of the DGCL.

6. Further Assurances. The proper officers of the Surviving Company and each Merging Company are hereby authorized, empowered and directed to do any and all lawful acts and things, and to make, execute, deliver, file and record any and all instruments, papers and documents, which shall be or become necessary, proper or convenient to carry out or put into effect any of the provisions of this Agreement of Merger or the merger provided for herein.

7. Amendment and Termination. The Agreement of Merger may be amended or terminated at any time prior to the Effective Time by agreement of the parties hereto.

[REMAINDER OF PAGE INTENTIONALLY LEFT BLANK]

IN WITNESS WHEREOF, each of the parties hereto has caused this Agreement of Merger to be executed as of the date set forth above.

RRI ENERY COOLWATER, INC.

By: _____
Name: David S. Freysinger
Title: President

RRI ENERGY ELLWOOD, INC.

By: _____
Name: David S. Freysinger
Title: President

RRI ENERGY ETIWANDA, INC.

By: _____
Name: David S. Freysinger
Title: President

RRI ENERGY MANDALAY, INC.

By: _____
Name: David S. Freysinger
Title: President

RRI ENERGY ORMOND BEACH, INC.

By: _____
Name: David S. Freysinger
Title: President

Delaware

The First State

I, JEFFREY W. BULLOCK, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF AMENDMENT OF "RRI ENERGY ORMOND BEACH, INC.", CHANGING ITS NAME FROM "RRI ENERGY ORMOND BEACH, INC." TO "RRI ENERGY WEST, INC.", FILED IN THIS OFFICE ON THE TWENTY-NINTH DAY OF APRIL, A.D. 2010, AT 11:24 O'CLOCK A.M.

A FILED COPY OF THIS CERTIFICATE HAS BEEN FORWARDED TO THE NEW CASTLE COUNTY RECORDER OF DEEDS.

AND I DO HEREBY FURTHER CERTIFY THAT THE EFFECTIVE DATE OF THE AFORESAID CERTIFICATE OF AMENDMENT IS THE FIRST DAY OF MAY, A.D. 2010, AT 12:01 O'CLOCK A.M.



Jeffrey W Bullock, Secretary of State

2889806 8100

AUTHENTICATION: 7962909

100439658

DATE: 04-29-10

You may verify this certificate online at corp.delaware.gov/authver.shtml

State of Delaware
Secretary of State
Division of Corporations
Delivered 11:29 AM 04/29/2010
FILED 11:24 AM 04/29/2010
SRV 100439658 - 2889806 FILE

CERTIFICATE OF AMENDMENT OF CERTIFICATE OF INCORPORATION

OF

RRI Energy Ormond Beach, Inc.

It is hereby certified that:

1. The name of the corporation (hereinafter called the "corporation") is RRI Energy Ormond Beach, Inc.

2. The certificate of incorporation of the corporation is hereby amended by striking out Article FIRST thereof and substituting in lieu of said Article the following new Article:

FIRST: The name of the Corporation is RRI Energy West, Inc. (hereinafter the "Company").

3. The amendment of the certificate of incorporation herein certified has been duly adopted in accordance with the provisions of Section 242 of the General Corporation Law of the State of Delaware.

4. The effective date and time of this filing is May 1, 2010, at 12:01 a.m. Eastern Time.

Allison B. Cunningham
Authorized Officer

SAN BERNARDINO COUNTY FIRE DEPARTMENT

File only

SOURCE - ENVISION E/R

SITE LOCATION: **8996 ETIWANDA AVE**
RELATED ID:

RECORD ID: **CO0025739**
ACCOUNT ID: **AR0002943**

FACILITY INFO

FACILITY: **FA0002943**
FACILITY NAME: **ETIWANDA GENERATING STATION**
FACILITY ADDRESS: **8996 ETIWANDA AVE**
CITY: **RANCHO CUCAMONGA** STATE: **CA** ZIP: **91739**

CONTACT

COMPLAINT

COMPLAINANT: **BEVERLY MCCORMICK**
ADDRESS:
CITY:
COUNTRY: **USA** STATE: ZIP:
WORK PHONE: **626-383-1390** EXT:
HOME PHONE: EXT:
FAX:
EMAIL ADDRESS:

DISPOSITION

RECEIVED BY: **GREGORY ZEIGLER**
RECEIVED DATE: **10/10/2008** RECEIVED TIME: **16:45:00**

ASSIGNED TO: **GREGORY ZEIGLER**
ASSIGNED DATE: **10/10/2008** ASSIGNED TIME: **16:45:00**

STATUS: **CLOSED**
PROGRAM ELEMENT:

INFORMATION

PROPERTY INFO

PROP NAME:
BUS NAME:
ADDRESS:
2nd ADDRESS:
CITY: STATE: ZIP:
COUNTRY: **USA**
PHONE 1: **Not Specified** EXT:

OWNER'S INFO

OWNER NAME:
BUSINESS NAME:
ADDRESS:
2ND ADDRESS:
CITY: STATE: ZIP:
HOME PHONE: EXT:
WORK PHONE: EXT:

LOCATION

LOCATION

CENSUS:
DISTRICT:
LOCATION:
CITY CODE:
JURISDICTION:
PROPERTY TYPE:
INSPECTION CODE:
APN:

ER INFO (UDF)

OES NUMBER: **08-7341** HOURS:
INCIDENT TYPE: **RELEASE/ FACILITY RELATED**
ENVIRONMENT TYPE: **FACILITY SITE**
REFERRAL AGENCY: REFERRAL DATE:
HAULER'S NAME: **DOUBLE BARRELL**
NUMBER HOSPITALIZED:
CHEMICAL INFO 1: **MINERAL OIL - 50 GALS**
AGENCY NOTIFICATION: **Y**
DRUG LAB:
E/R TEAM RESPONDED:
COST RECOVERY:

RESPONDING AGENCY 1:
RESPONDING AGENCY 2:
RESPONDER 1:
RESPONDER 2:
RESPONDER 3:
RESPONDER 4:
CHEMICAL INFO:

RELEASED ☑ CONTAINED ☑ REMOVED ☑

SUSPECT

PARTY NAME: DOB:
COMPANY NAME: PHONE: EXT:
ADDRESS: LICENSE NUMBER:

INSPECTED/RESOLVED

EMPLOYEE: **GREGORY ZEIGLER** RESOLVE DATE: **10/10/2008** REQUIRES FURTHER ACTION ☐

PERMIT INFORMATION

PERMITS CURRENT? YES or NO

RECORD ID	PE	PERMIT STATUS	ISSUANCE STATUS	FROM DATE	TO DATE
PT0002262	CE ANNUAL FEE	INACTIVE			
PT0002263	GENERATOR - 26-50 EMPLOYEES	ACTIVE			
PT0002264	HAZMAT HANDLER 26-50 EMPLOYEES (W/GEN PRMT)	ACTIVE			
PT0002265	ABOVEGROUND PETROLEUM STORAGE (AST) (SPCC)	ACTIVE			
PT0013929	CALARP FACILITY PERMIT	ACTIVE			
PT0013930	CALARP STATE FEE	ACTIVE			
PT0013931	EPCRA FACILITY	ACTIVE			
PT0015103	RISK MANAGEMENT PLAN - LEVEL I	ACTIVE			

COMPLAINT DESCRIPTION: TRANSFORMER WAS OVER PRESUERIZED AND THE OIL OVERFLOWED.

BLUE BOOK COMMENT

ENTERED BY: **CARLEEN WILEY**	ENTERED DATE: **10/21/2008**	UPDATED BY:	UPDATED DATE:

Narrative:
Received call from SCE notification of a release of 50 gallons of overflowed new mineral oil into the containment concrete structure during construction. No PCBs in the oil, no stormdrains or waterways affected. Double Barrel onsite for remediation. No response necessary.

Greg Zeigler, REHS
Hazardous Materials Specialist II
San Bernardino County Fire Dept.
(909) 386-8430
www.sbcfire.org

October 21, 2008 08:48 AM - D4783

San Bernardino County Fire Department

Emergency Response Form

2143

FACILITY INFO

FACILITY ID:
FACILITY NAME:
FACILITY ADDRESS:
CITY: STATE: ZIP:
START TIME:
COMPLETED TIME:

CONTACT

COMPLAINT

COMPLAINANT / ER: Beverly McCormick
ADDRESS:
CITY:
COUNTRY: STATE: ZIP:
WORK PHONE: 626-383-1390 EXT:
HOME PHONE: EXT:
FAX:
EMAIL ADDRESS:

DISPOSITION

RECEIVED BY: G.Z.
RECEIVED DATE: 10/10/08 RECEIVED TIME: 1645
ASSIGNED TO: G.Z.
ASSIGNED DATE: 10/10/08 ASSIGNED TIME: 1645
STATUS:
PROGRAM ELEMENT:

INFORMATION

PROPERTY INFO

PROP NAME/RP:
BUS NAME: Rancho Vista Substation
ADDRESS: 8996 Etiwanda Ave.
2nd ADDRESS:
CITY: Fontana STATE: CA ZIP:
COUNTRY:
PHONE : EXT:

OWNER'S INFO

OWNER NAME:
BUSINESS NAME: So Cal. Edison
ADDRESS:
2ND ADDRESS:
CITY: STATE: ZIP:
HOME PHONE: EXT:
WORK PHONE: EXT:

LOCATION

LOCATION

CENSUS:
DISTRICT(Inspector):
LOCATION(Supervisorial):
CITY CODE:

JURISDICTION(Fire):
PROPERTY TYPE:
INSPECTION CODE:
APN:

INFO (UDF)

ES NUMBER: HOURS:
INCIDENT TYPE: Fuel Release
ENVIRONMENT TYPE: Facil.
NUMBER HOSPITALIZED: —
RULER'S NAME: Double Barrell
REFERRAL AGENCY: —
RESPONDING AGENCY 1: —
RESPONDING AGENCY 2: —
CHEMICAL INFO 1: Mineral Oil
CHEMICAL INFO 2:

COST RECOVERY ☐
E/R TEAM RESPONDED ☐
DRUG LAB ☐
AGENCY NOTIFICATION ☒

RESPONDER 1:
RESPONDER 2:
RESPONDER 3:
RESPONDER 4:

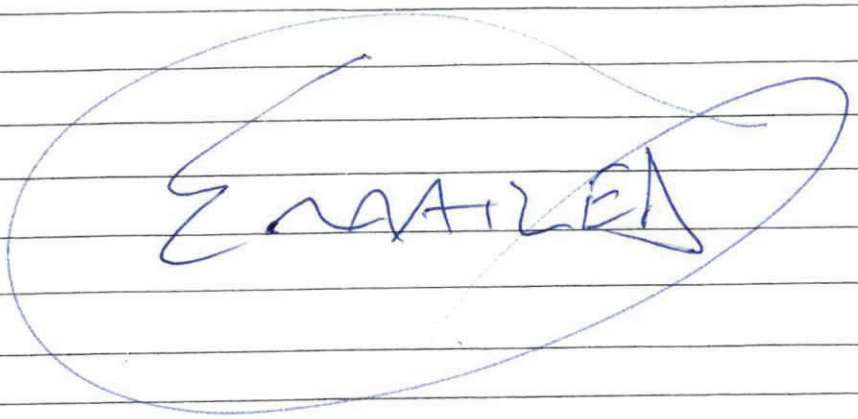
REFERRAL DATE:

HAZMAT RELEASED ☒
CONTAINED ☒
REMOVED ☒

SUSPECT

PROPERTY NAME: N/A
COMPANY NAME:
ADDRESS:
CITY: STATE: ZIP:
DOB:
PHONE: EXT:
LICENSE NUMBER:

INSPECTED/RESOLVED EMPLOYEE: RESOLVE DATE: REQUIRES FURTHER ACTION ☐



COMMENTS

IGNATURE: _____ DATE: _____

Zeigler, Greg

To: Wiley, Carleen

Subject: HMRR narrative: 10/10/08 Rancho Substation 8996 Etiwanda Ave. Fontana

Narrative:
Received call from SCE notification of a release of 50 gallons of overflowed new mineral oil into the containment concrete structure during construction. No PCBs in the oil, no stormdrains or waterways affected. Double Barrel onsite for remediation. No response necessary.

Greg Zeigler, REHS
Hazardous Materials Specialist II
San Bernardino County Fire Dept.
(909) 386-8430
www.sbcfire.org

GOVERNOR'S OFFICE OF EMERGENCY SERVICES

Hazardous Materials Spill Report

DATE: 10/10/2008 TIME: 1650	RECEIVED BY: OES - Bob Mcrae OSPR -	CONTROL#: OES - 08-7341 NRC -

1.a. PERSON NOTIFYING GOVERNOR'S OES:

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:
Beverly McCormock	So. Cal. Edison	626-383-1390		

1.b. PERSON REPORTING SPILL (If different from above):

1. NAME:	2. AGENCY:	3. PHONE#:	4. Ext:	5. PAG/CELL:

2. SUBSTANCE TYPE:

2. a. SUBSTANCE:	b.QTY:>=<	Amount	Measure	c. TYPE:	d. OTHER:
1. Mineral Oil	=	50	Gal(s)	PETROLEUM	non pcb's
2.	=				
3.	=				

e. **DESCRIPTION:** Transformer was over presurerized and the oil overllowed.

f. CONTAINED:	g. WATER INVOLVED:	h. WATERWAY:	i. DRINKING WATER IMPACTED
Yes	No		No

3. a. INCIDENT LOCATION: 8996 Etiwanda

b. CITY:	c. COUNTY:	d. ZIP:
Etiwanda	San Bernardino County	

4. INCIDENT DESCRIPTION:

a. DATE:	b. TIME (Military):	c. SITE:	
10/10/2008	1557	Utilities/Substation	
d. INJURIES#	**e. FATALS #:**	**f. EVACS #:**	**g. CLEANUP BY:**
0	0	0	Reporting Party

Same as #1."PERSON NOTIFYING OES"

5. SUSPECTED RESPONSIBLE PARTY:

a. NAME:	b. AGENCY:	c. PHONE#:	d. EXT.:		
Beverly McCormock	So Cal Edison	626-383-1390			
e. MAIL ADDRESS:		**f. CITY:**	**g. STATE:**	**h. ZIP:**	
2244 Walnut Grove		Rosemead	CA	91770	

6. NOTIFICATION INFORMATION:

a. ON SCENE:	b. OTHER ON SCENE:	c. OTHER NOTIFIED:
		Co. Fire

d. **ADMIN. AGENCY:** San Bernardino County Health Department

e. **SEC. AGENCY:**

f. **NOTIFICATION LIST:** DOG Unit: RWQCB Unit: 8

[X] AA/CUPA	[X] USFWS	[ ] CDPH-D.O.	[ ] FEMA	[ ] OES REG	[ ] USMMS	[ ] OTHER
[X] DFG-OSPR	[ ] AIR RESOURCES BD	[ ] DOG	[ ] FOOD & AG	[ ] OSHA	[ ] USCG	
[X] DTSC	[ ] CALTRANS	[ ] DPR	[ ] LANDS	[ ] PARKS & REC	[ ] Co/WP	
[X] RWQCB	[ ] CDF	[ ] EB PARKS	[ ] OES HAZMATUNIT	[ ] PUC	[ ] Co/Hlth	
[ ] US EPA	[ ] COASTAL COM	[ ] EMSA	[ ] OES PLANS UNIT	[ ] SFM	[ ] Co/E-Hlth	

FACILITY FILE JWA

CUPA
San B ırdi Cour.., . ire Department • Haza ıs N ials Ision
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

HAZARDOUS WASTE GENERATOR AND HAZARDOUS MATERIALS HANDLER INSPECTION REPORT

FA #: 2943 Facility Name: Etiwanda Generating Station Inspection Date: June 25, 2008

Site Address: 8996 Etiwanda Ave. Phone #: (909) 899-7260

City: Rancho Cucamonga Zip Code: 91739 EPA ID #: CAR000038158

Consent Granted by:

☒ Inspect ☒ Photograph Name: Paul LaCroix Title: Environmental & Safety Rep. # Emp: 38

Refer to Title 19 and Title 22 of the California Code of Regulations (CCR), Chapter 6.5 of the Health and Safety Code (CHSC) and Division 3 of Title 2 of the San Bernardino County Code (CC). The following code sections are either in Violation (V) of, in Compliance (C) with, the applicable laws and regulations, or compliance is not applicable, not addressed or unknown (N).

GENERAL REQUIREMENTS FOR GENERATORS		V	C	N
101. Hazardous Waste Generator Permit current	CC 23.0602(b)(1)		X	
102. Facility access for inspection granted - HW only	CHSC 25185		X	
103. Hazardous Waste determination made	CCR 66262.11			X
104. EPA ID Number obtained	CCR 66262.12(a)		X	
105. Hazardous Waste storage/treatment authorization	CHSC 25189.5(d)			X
106. Facility operated/maintained to prevent release/fire	CCR 66265.31		X	
107. Contingency Plan established	CCR 66265.51(a)		X	
108. Recyclable materials managed lawfully	CHSC 25143.2			X
905. Universal Waste managed lawfully	CCR 66273.1		X	
STORAGE AND LABELING REQUIREMENTS				
110. Tank/container labeled/marked "Hazardous Waste"	CCR 66262.34(f)(3)	X		
111. Hazardous Waste label complete	CCR 66262.34(f)(3)	X		
112. Accumulation start date on tank/container	CCR 66262.34(f)(2)	X		
113. Hazardous Waste accumulation time not exceeded	CCR 66262.34			X
114. Hazardous Waste containers sound	CCR 66265.171		X	
115. Hazardous Waste containers not leaking	CCR 66265.173(b)		X	
116. Hazardous Waste containers closed	CCR 66265.173(a)	X		
117. Contaminated containers managed properly	CCR 66261.7	X		
118. Container storage area inspected weekly	CCR 66265.174		X	
119. Hazardous Waste managed lawfully	CHSC 25154	X		
120. Hazardous Waste aboveground tank system inspected	CCR 66262.34			X
HAZARDOUS WASTE RECORDS AND MANIFESTS				
125. Hazardous Waste transported with a manifest	CCR 66262.20(a)		X	
126. Hazardous Waste manifest complete	CCR 66262.23		X	
127. Hazardous Waste manifests sent to DTSC	CCR 66262.23(a)(4)		X	
128. Manifests retained for at least 3 years	CCR 66262.40(a)		X	
129. Biennial Report prepared	CCR 66262.41			
130. Hazardous Waste analyses retained for 3 years	CCR 66262.40(c)			X
131. Training documentation complete & available	CCR 66265.16		X	
132. Copy of completed SB 14 available	CCR 67100.3		X	
135. Used oil managed properly	CHSC 25250.4		X	
136. Used oil not contaminated with Hazardous Waste	CHSC 25250.7			X
137. Consolidated manifesting records available	CHSC 25160.2(b)(3)			X
138. Used oil filters managed lawfully	CCR 66266.130		X	
139. Spent lead acid batteries managed lawfully	CCR 66266.81			X
DISPOSAL AND TRANSPORTATION				
145. Illegal disposal/abandonment of Hazardous Waste	CHSC 25189.5(a)			X
146. Illegal disposal of used oil	CHSC 25250.5(a)			X
147. Transporting Hazardous Waste w/o valid registration	CHSC 25163			X
148. Hazardous Waste hauled by transporter w/o valid registration	CHSC 25163			X
149. Hazardous Waste transported to an unauthorized facility	CHSC 25189.5(c)			X

GENERAL REQUIREMENTS FOR HANDLERS		V	C	N
201. Hazardous Material Handler permit current	CC 23.0602(b)(3)		X	
202. Business Plan established	CHSC 25503.5		X	
203. Business Plan submitted/updated	CHSC 25505		X	
204. Hazardous Materials release reported	CHSC 25507			X
205. Facility access for inspection granted – HM	CHSC 25508		X	
206. Regulated Substances registration filed	CHSC 25533(a)		X	
207. SPCC Plan prepared	CHSC 25270.5(c)			X
230. Business Plan implemented	CHSC 25503.5			X

INSPECTION NARRATIVE

Inspection conducted to determine compliance with hazardous materials, hazardous waste and the California Accidental Release Prevention (CalARP) Program laws and regulations. Consent to inspect and take pictures was granted by Paul LaCroix, Environmental & Safety Rep. Escorts for the inspection were Paul LaCroix and Julie Babcock from the corporate office. Lee Moore, General Manager, was present for short periods during the inspection. A hardhat and safety glasses are required to be worn for the facility inspection.

This facility is a power generating station. There are a total of five units at this facility. Units 1, 2 and 5 are "retired" and no longer in use since it was economically unfeasible to upgrade the units to meet air quality standards. Units 3 & 4 are the only two units in operation at this time. These units produce a total of 640 megawatts. Selective Catalytic Reduction (SCR) systems were added to these units in 2001 for the control of NO_x emissions. The SCRs work by injecting aqueous ammonia into the boiler exhaust gas stream before it enters a catalyst matrix. The reaction between the ammonia and NOx on the catalyst forms nitrogen and water.

☒ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN NA DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspected By: Valeri Hirst (Sign Name) Valeri Hirst (Print Name)

Received By: Certified Mail (Sign Name) (Print Name)

Title:

Report Date: August 29, 2008

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

SUPPLEMENTAL INSPECTION REPORT

INSPECTION DATE:	June 25, 2008

FACILITY ID	FACILITY NAME:	FACILITY LOCATION:
FA# 2943	**Etiwanda Generating Station**	**8996 Etiwanda Ave., Rancho Cucamonga**
Consent Granted by: ☑ Inspect ☑ Photograph	NAME **Paul LaCroix**	TITLE **Environmental & Safety Rep.**

The aqueous ammonia is a regulated substance and is used and stored at this facility in amounts that exceed listed threshold quantities which subjects this facility to the California Accidental Release Prevention program. (See the attached CalARP report) Other regulated substances (hydrogen and hydrazine) used onsite do not exceed threshold quantities.

Units 3 & 4 are steam turbine units. The process starts with the combustion of natural gas to heat the water in the boilers. The steam produced by the boilers is used to turn the steam turbine blades which in turn rotate the generator shaft. An electric current is created inside the generator: magnet + copper wire + motion = electric current. The electric current goes to transformers. From the transformers it goes to a grid at a switching yard and then to the consumer.

Cooling towers are used to remove heat absorbed in the circulating cooling water system. The process waste heat is transferred to the atmosphere.

The generation of electricity requires a large amount of water. The bulk of the make-up water for this facility is reclaim water from Inland Empire Utilities Agency (IEUA). Well water is also a source and when needed, water from the Colorado River (MWD) is used. Make-up water comes into a holding pond on the northeast side of the facility.

There are two wastewater discharge lines to IEUA. The retention basin located south of Units 3 & 4 (used for the cooling tower water discharge) discharges to one and the retention basins located on the southeast side of the facility (used for all other wastewater discharge) discharges to the other.

Hazardous waste that is generated from operations at this facility include:

- Used oil from maintenance of machinery and transformers.
- Used oil from the separation of oil from water at the retention ponds and lube oil storage areas.
- Used oil from cleanup.
- Solid oily waste from maintenance and cleanup – rags, gloves, absorbent, oil mats, filters.
- Asbestos from maintenance and repair work.
- Paint chips/sandblast grit from maintenance and repair work.
- Boiler sweep (ash).
- Cooling tower sludge.
- Calcium deposit from cleaning the cooling towers.
- Gasoline sludge from miscellaneous maintenance.

The lab has minimal chemical waste from testing – see pH readings attached. Chemicals from the lab clean up in 2007 were disposed of as hazardous waste.

☑ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN NA DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspected By:	Received By:	Title:
Valeri Hirst	Certified Mail	
Sign Name	Sign Name	
Valeri Hirst	Report Date:	**August 29, 2008**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

SUPPLEMENTAL INSPECTION REPORT

INSPECTION DATE:	June 25, 2008

FACILITY ID	FACILITY NAME:	FACILITY LOCATION:
FA# 2943	**Etiwanda Generating Station**	**8996 Etiwanda Ave., Rancho Cucamonga**
Consent Granted by: ☑ Inspect ☑ Photograph	NAME **Paul LaCroix**	TITLE **Environmental & Safety Rep.**

The hazardous materials observed onsite during the inspection were consistent with the hazardous materials listed in the Inventory Summary submitted with the 2008 Business Plan.

Hazardous Waste Inventory

Hazardous waste storage area:

- (1) 55-gallon drum of asbestos waste
- (1) 55-gallon drum of paint/2-part epoxy waste
- (1) 55-gallon drum of used oil
- (1) 55-gallon drum of solid oily waste
- (1) 55-gallon drum of oil/water
- (1) 55-gallon drum of descaler
- (2) 55-gallon drums of off-spec ammonium hydroxide

Satellite Accumulation: (Each unit)

- (2) 55-gallon drum of used oil
- (2) 55-gallon drum of solid oily waste – rags, filters

Maintenance:

- (1) 5-gallon container of waste mercury – switches
- (2) 55-gallon drums of used oil
- (1) ~15-gallon parts washer

Universal Waste:

- (1) 55-gallon drum of aerosol cans - Satellite accumulation
- Fluorescent light tubes, metal halide bulbs, and sodium lamps – Maintenance building

Document Review:

- Permits are current and appropriate.
- Business Plan was available onsite.
- RMP was available onsite.
- Three years of manifests were available for review.
- Training documentation was available. Training includes yearly computer-based training and classroom training every two years. Training topics include hazard communication, emergency action plan, business plan, SPCC, storm water pollution prevention, hazardous waste management, hazardous material safety, PCB, DOT, and asbestos awareness.
- MSDS are available to all employees through computers with a hard copy kept in Paul LaCroix's office.

☑ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN NA DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspected By:	Received By:	Title:
Valeri Hirst	Certified Mail	
Sign Name	Sign Name	
Valeri Hirst	Report Date:	**August 29, 2008**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

SUPPLEMENTAL INSPECTION REPORT

INSPECTION DATE:	June 25, 2008

FACILITY ID	FACILITY NAME:	FACILITY LOCATION:
FA# 2943	**Etiwanda Generating Station**	**8996 Etiwanda Ave., Rancho Cucamonga**
Consent Granted by: ☐ Inspect ☑ Photograph	NAME **Paul LaCroix**	TITLE **Environmental & Safety Rep.**

Document Review (cont.):

- Weekly inspections are conducted on the hazardous waste storage areas. Inspection records are kept.
- SB 14 dated 8-29-07.
- Biennial Report dated 2-9-08.
- SPCC plan onsite.

The following violations were corrected during the inspection and no further compliance is required:

#110 – Tank/Container Not Labeled/Marked "Hazardous Waste" – CCR 66262.34(f)(3)
#111 – Hazardous Waste Label Not Complete – CCR 66262.34(f)(3)
#112 – Accumulation Start Date Not On Tank/Container – CCR 66262.34 (f)(2)
#119 – Hazardous Waste Not Managed Lawfully – CHSC 25154

Each container used for onsite accumulation of hazardous waste shall be labeled or marked clearly with the words "Hazardous Waste". Additionally, all containers shall be labeled with the following information: contents of the container, physical state of the waste, hazardous properties of the waste (e.g., flammable, toxic, etc.), name and address of the generator and the accumulation start date. It is unlawful for any person to manage any hazardous waste except as provided for in this chapter or regulations adopted by the department pursuant to this chapter. Observed several unlabeled 55-gallon drums with unknown liquids stored in the "empty drum storage area". Also observed an unlabeled 5-gallon container with used oil from the filtering system in the lube oil storage room.
Compliance: The unlabeled drums with the unknown liquids in the "empty drum storage area" were identified, combined as compatible, properly labeled and moved to the hazardous waste storage area.

#116 – Hazardous Waste Containers Not Closed – CCR 66265.173 (a)

Facilities are required to operate in a manner that prevents release of hazardous materials to the ground, air, and/or water. All containers holding a hazardous waste shall remain closed, with a fitted cover, unless adding to or removing the contents. Observed open 55-gallon drums with unknown liquids (later determined to be hazardous waste) in the "empty drum storage area". An open 5-gallon container of used oil was observed in the lube oil storage room.
Compliance: All hazardous wastes in open containers were moved to closed containers.

☑ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN NA DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspected By:	Received By:	Title:
Valeri Hirst	Certified Mail	
Sign Name	Sign Name	
Valeri Hirst	Report Date:	**August 29, 2008**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

SUPPLEMENTAL INSPECTION REPORT

INSPECTION DATE:	June 25, 2008

FACILITY ID	FACILITY NAME:	FACILITY LOCATION:
FA# 2943	**Etiwanda Generating Station**	**8996 Etiwanda Ave., Rancho Cucamonga**
Consent Granted by: ☑ Inspect ☑ Photograph	NAME **Paul LaCroix**	TITLE **Environmental & Safety Rep.**

#117 – Contaminated containers not managed properly - CCR 66261.7
Containers, or inner liners removed from a container, that previously held a hazardous material or a hazardous waste are considered contaminated containers and shall be managed properly. Empty contaminated containers larger than 5 gallons must be marked with the word "Empty", the date that the container became empty and must be removed from the site within one year of that date. Additionally, these containers must be closed during storage. Containers are not considered empty unless the material/waste can no longer be poured, drained, or physically removed (no rinsing) from the container. Observed several empty containers without the start date and some that were open.
Compliance: All empty containers were properly labeled, closed and moved to the hazardous waste storage area for removal.

See the following CalARP inspection report.

If you have any questions, please call (909) 386-8401 or e-mail vhirst@sbcfire.org.

☑ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN NA DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspected By: Valeri Hirst
Sign Name
Valeri Hirst

Received By: **Certified Mail**
Sign Name

Title:

Report Date: **August 29, 2008**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460• www.sbcfire.org

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM INSPECTION REPORT - ALL PROGRAM LEVELS

FA #: 2943 Facility Name: Etiwanda Generating Station Inspection Date: June 25, 2008

Site Address: 8996 Etiwanda Ave. Phone #: (909) 899-7260

City: Rancho Cucamonga Zip Code: 91739 EPA ID #: CAR000038158

Consent Granted by:

☒ Inspect ☒ Photograph Name: Paul LaCroix Title: Environmental & Safety Rep. # Emp: 38

Refer to Title 19 of the California Code of Regulations (CCR), Chapter 6.5 of the Health and Safety Code (CHSC) and Division 3 of Title 2 of the San Bernardino County Code (CC). The following code sections are either in Violation (V) of, or in Compliance (C) with, the applicable laws & regulations, or compliance is not applicable, not addressed or unknown (N).

GENERAL REQUIREMENTS		V	C	N	COMMENTS/OBSERVATIONS
401. CalARP Permits Current	CC 23.0602(b)(4)		X		Permits are current through July 31, 2009.
402. Access to Inspect/Review Technical Information provided	CHSC 25534.5		X		Access to inspect/review provided by Paul LaCroix.
403. Risk Management program prepared and submitted	CHSC 25535.1		X		RMP submitted August 31, 2004.
404. RMP and supporting studies coordinated w/AA	CCR 2735.5		X		Studies coordinated with AA.
405. False statement, representation or certification	CHSC 25541			X	N/A
411. Qualified person/position assigned for RMP	CCR 2735.6	X			See supplemental for CalARP.
412. Required registration information submitted	CCR 2740.1		X		Registration form received August 9, 2004.
413. RMP submitted by required deadline	CCR 2745.1		X		RMP submitted August 31, 2004.
414. RMP certification statement completed	CCR 2745.9		X		RMP certification completed.
415. RMP Offsite Consequence Analysis Data Components submitted	CCR 2745.4		X		OCA submitted with RMP.
416. RMP 5-year Accident History submitted	CCR 2745.5		X		No reported releases.
417. RMP updated every 5 yrs, within 6 months of change, & within 30 days of owner/operator change	CCR 2745.10	X			See supplemental for CalARP.
418. RMP corrected within 6 months of a reportable accidental release & within 30 days of change in emergency contact information	CCR 2745.10.5			X	No reportable release and no change in emergency contact info.
419. AA notified before modification of covered process	CCR 2745.11			X	No modifications of the covered process have been implemented.
420. OCA revised and submitted every 5 years or within 6 months of change in process or quantity	CCR 2750.7			X	No change in process or quantity.
421. Offsite Consequence Analysis documentation maintained	CCR 2750.8		X		OCA documents maintained.
422. Accidental release data reported and documented	CCR 2750.9			X	No reported releases.
Will employees respond?	Y N				
425. If yes, plan includes contents of CCR 2765.2: coordination, medical treatment, response procedures, ER equipment use, inspection, testing & maintenance, training, updating	CCR 2765.2		X		BP Current.
426. If yes or no, facility is included in community response plan (filed business plan) & coordinated with ER/FD	CCR 2765.1		X		BP Current.
499. OTHER:					

Comments:

☒ **NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 60 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.**

Inspected By: Valeri Hirst (Sign Name) Received By: _____ (Sign Name) Title: _____

Valeri Hirst (Print Name) Certified Mail (Print Name) Report Date: August 29, 2008

Form Revised 1/16/2007

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

SUPPLEMENTAL INSPECTION REPORT

INSPECTION DATE:	June 25, 2008

FACILITY ID	FACILITY NAME:	FACILITY LOCATION:
Fa# 2943	**Etiwanda Generating Station**	**8996 Etiwanda Ave., Rancho Cucamonga**
Consent Granted by: ☐Inspect ☐Photograph	NAME **Paul LaCroix**	TITLE **Environmental & Safety Rep.**

Supplement to the California Accidental Release Prevention (CalARP) Inspection Report – All Program Levels:

Correct the following violations within 60 days:

#411 – Qualified person/position not assigned for RMP – CCR2735.6
The owner or operator shall assign a qualified person or position that has the overall responsibility for the development, implementation, and integration of the risk management program elements. The Risk Management Organization Chart shows the General Manager as the responsible person. The General Manager for Etiwanda Generating Station is listed as Daniel W. Ross. Per Lee Moore (the new General Manager) Daniel W. Ross is no longer employed at this facility. (All the personnel listed on the RMP Organization Chart are no longer employed at this facility).
Compliance Requirement: Updated RMP pages for section 5.0 through 5.4 (pages13 –16) have been received on August 29, 2008. No other compliance required.

#417 – RMP not updated within 30 days of owner/operator change – CCR2745.10 (f)
Within 30 days of a change in the owner or operator, the new owner or operator shall contact the AA (San Bernardino County Fire Haz Mat) to update the registration information. The new owner or operator shall determine if RMP changes are necessary. The registration on file shows Daniel W. Ross as the owner/operator. An updated registration form has not been received for the change.
Compliance Requirement: An updated registration form was received on August 29, 2008. No other compliance is required.

☑ **NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 60 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.**

Inspected By: Valeri Hirst (Sign Name) — Valeri Hirst

Received By: _____ (Sign Name) — Certified Mail

Title: _____

Report Date: August 29, 2008

CUPA

San Bernardino County Fire Department • Hazardous Materials Division

620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM INSPECTION REPORT - PROGRAM 1

FA #: 2943 Facility Name: Etiwanda Generating Station Inspection Date: June 25, 2008

Site Address: 8996 Etiwanda Ave. Phone #: (909) 899-7260

City: Rancho Cucamonga Zip Code: 91739 EPA ID #: CAR000038158

Consent Granted by:

☒ Inspect ☒ Photograph Name: Paul LaCroix Title: Environmental & Safety Rep. # Emp: 38

Refer to Title 19 of the California Code of Regulations (CCR), Chapter 6.5 of the Health and Safety Code (CHSC) and Division 3 of Title 2 of the San Bernardino County Code (CC). The following code sections are either in Violation (V) of, or in Compliance (C) with, the applicable laws & regulations, or compliance is not applicable, not addressed or unknown (N).

GENERAL REQUIREMENTS		V	C	N	COMMENTS/OBSERVATIONS
431. Emergency response procedures coordinated with local Emergency Response agencies	CCR 2735.4 (c)(3)		X		BP Current.
432. Program 1 certification signed	CCR 2735.5(d)		X		Certification was signed by Daniel W. Ross on August 31, 2004.
433. Distance to endpoint for Worst Case Scenario less than distance to nearest public receptor	CCR 2735.4 (c)(2)		X		No changes to the Worst Case Scenario at this time. ***See note under comments below.**
434. No accidental release with offsite impacts within past 5 years	CCR 2735.4 (c)(1)		X		No accidental releases of ammonia with off site impacts within the last 5 years.
435. No additional measures necessary to prevent offsite impacts	CHSC 25541		X		No additional measures necessary at this time.
436. Eligibility for Program level 1 maintained or new Program level requirements met	CCR 2735.4 (c)		X		Eligibility for Program level 1 has been maintained.
437. Program 1 General Requirements met	CCR 2735.5(d)		X		General requirements for Program level 1 are met at this time.

Comments: ***Note: When recertifying the RMP for 2009 take into consideration the Grapeland Peaker Station. This facility has been identified as a new population at risk since Etiwanda Generating Station has no access to the facility and no control over the SCE personnel working there. Therefore, a release may impact this public receptor. Keep in mind that this may also require a change in the Program Level.**

☐ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN N/A DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspected By: Valeri Hirst (Sign Name) Valeri Hirst (Print Name)

Received By: _____ (Sign Name) Certified Mail (Print Name)

Title: _____

Report Date: August 29, 2008

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 • www.sbcfire.org

- ☐ HAZARDOUS MATERIALS
- ☑ CALIFORNIA ACCIDENTAL RELEASE PREVENTION
- ☐ ABOVEGROUND PETROLEUM STORAGE
- ☐ UNDERGROUND STORAGE TANK
- ☐ HAZARDOUS WASTE GENERATION
- ☐ TIERED PERMITTING
- ☐ UNIVERSAL WASTE

PROCESS DESCRIPTION

INSPECTION DATE:	June 25, 2008

FACILITY ID	FACILITY NAME:	FACILITY LOCATION:
FA# 2943	**Etiwanda Generating Station**	**8996 Etiwanda Ave.**
Consent Granted by: ☑ Inspect ☑ Photograph	NAME **Paul LaCroix**	TITLE **Environmental & Safety Rep.**

This facility is subject to the California Accidental Release Prevention (CalARP) Program, under Program Level 1. The regulated substance onsite that exceeds the threshold quantity is the 19% aqueous ammonia used for the SCR system and boiler water treatment.

A Selective Catalytic Reduction (SCR) system is used to reduce the emissions of nitrogen oxides (NO_x) generated from the main boilers of Units 3 & 4. Using the SCR process, nitrogen oxides are converted to N_2 and H_2O by injecting a gaseous reductant to a stream of flue gas before it passes through the catalyst chamber. In this case the reductant used is 19% aqueous ammonia. The aqueous ammonia is sprayed as a fine mist into the flue gas as it enters the catalyst chamber where the reduction reaction takes place.

The ammonia system consists of two aboveground storage tanks. Each storage tank has a capacity of 10,000 gallons but the operational tank capacity is limited to 85% (8500 gallons) for each tank. The tanks are equipped with pressure relief valves, level indicators, temperature & pressure gauges, transfer pumps, and high-level alarms. A concrete wall around the two tanks serves as the secondary containment. The secondary containment area has a capacity of 36,500 gallons or 180% of the tanks maximum capacities. There are ammonia sensors at the boiler, distribution header and storage area. Other safety features include emergency shutdown devices, automatic fail-safe and interlock process controls, and emergency control stations (control room).

The aqueous ammonia from these tanks not only services the SCR units but it is also pumped to a day tank at each unit for use in the treatment of the boiler water.

Training for station operators includes comprehensive training on all systems and processes at the generating station. Training is conducted through classroom instruction and apprenticeship. Testing is conducted from a checklist of required elements through demonstration. A training class on ammonium hydroxide is given yearly by Airgas. The training dates for this year were April 3 & 17. Training included ammonium hydroxide delivery equipment (truck/trailer) to review the appropriate offload procedures, safety equipment and emergency response. Operational policies & procedures and training documentation are kept onsite.

Etiwanda Generating Station has a daily inspection program for the ammonia system in place. Inspections are documented and maintenance records kept onsite.

Inspected By: Valeri Hirst (Sign Name) — Valeri Hirst (Print Name)

Received By: _____ (Sign Name) — Certified Mail (Print Name)

Title: _____

Report Date: August 29, 2008

PHOTO NARRATIVE

PHOTO 1

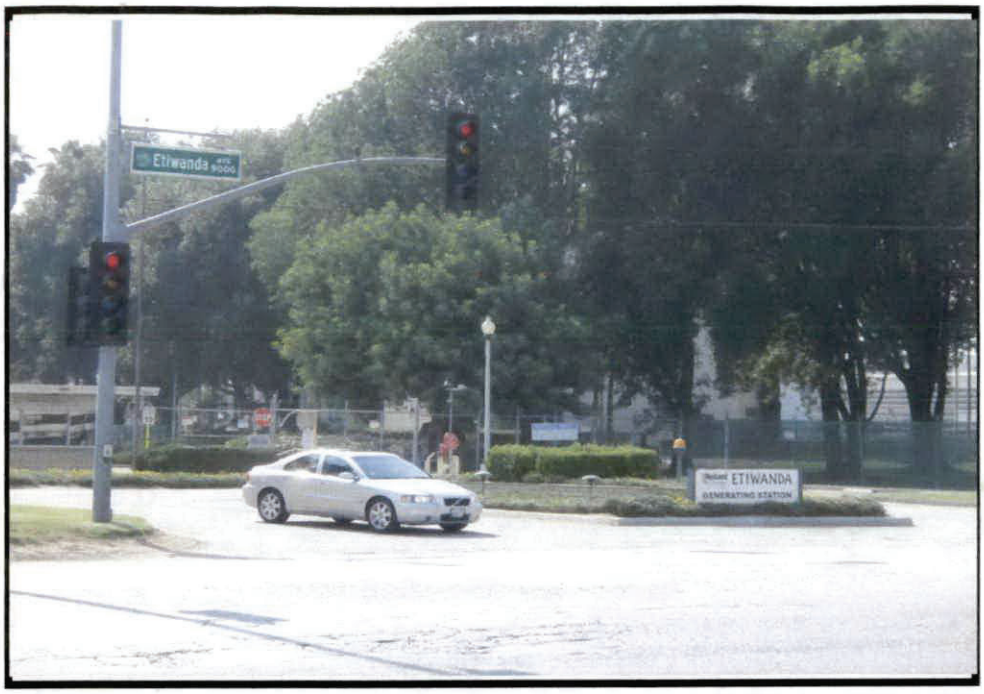


PHOTO 2



Facility/Case Name: **Etiwanda Generating Station** Facility ID #: **2943**

Address: **8996 Etiwanda Ave., Rancho Cucamonga**

1) Description: **Entrance to property from Etiwanda Ave. Visitors must check in at the gate.**

2) Description: **Entrance to the facility's administration building. Units 1 and 2, which are no longer in use, are pictured in the background.**

Date Taken: **June 25, 2008**

Taken By: **Valeri Hirst** Signature: Valeri Hirst

PHOTO NARRATIVE

PHOTO 3



PHOTO 4



Facility/Case Name: **Etiwanda Generating Station** Facility ID #: **2943**

Address: **8996 Etiwanda Ave., Rancho Cucamonga**

3) Description: **Units 3 and 4 (pictured) are the only operating units. Units 1, 2 and 5 are no longer in operation due to the estimated cost of having to add required SCRs to meet air quality standards.**

4) Description: **The hydrogen bank – used for cooling electrical systems for generators. The quantity of hydrogen that is stored onsite is below the Threshold Quantity for Cal ARP.**

Date Taken: **June 25, 2008**

Taken By: **Valeri Hirst** Signature: Valeri Hirst

PHOTO NARRATIVE

PHOTO 5

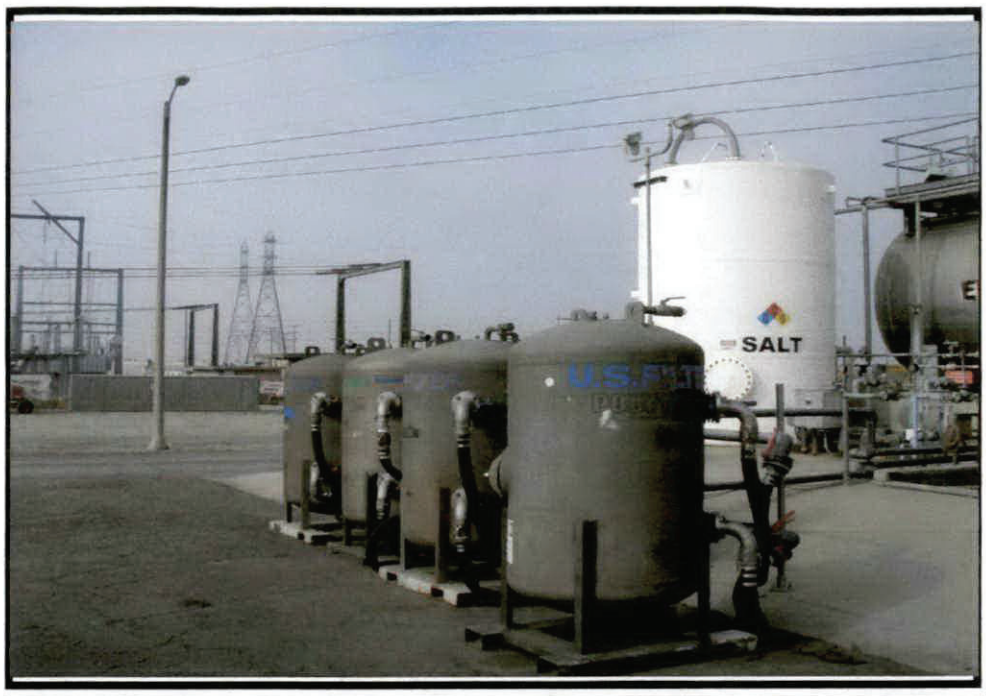


PHOTO 6



Facility/Case Name: **Etiwanda Generating Station** Facility ID #: **2943**

Address: **8996 Etiwanda Ave., Rancho Cucamonga**

5) Description: **The mixed-bed polisher used to clean up well water to distilled water for the boiler. The pictured unit consists of mobile tanks that are replaced by U.S. Filter Services as needed.**

The 'salt' tank in the background is used for the reverse osmosis system.

6) Description: **The main hazardous waste storage area. (1) 55-gallon drum of asbestos waste, (1) 55-gallon drum of solid oil waste, (1) 55-gallon drum of paint/2-part epoxy and (1) 55-gallon drum of used oil along with 2 empty drums and 2 spill kits were stored in this area.**

Date Taken: **June 25, 2008**

Taken By: **Valeri Hirst** Signature: Valeri Hirst

PHOTO NARRATIVE

PHOTO 7



PHOTO 8



Facility/Case Name: **Etiwanda Generating Station** Facility ID #: **2943**

Address: **8996 Etiwanda Ave., Rancho Cucamonga**

7) Description: **Foreground: The "Empty Drum Storage Area".**
Background: Cooling towers for Units 1 & 2 (left), cooling towers for Unit 3 (far background) and Unit 3 (right).

8) Description: **The "Empty Drum Storage Area" – some of the drums were in deteriorated condition (back left), some were open (front left), some had off-spec hazardous material in them (front right), some of the drums were not labeled and some of the drums that were not labeled contained an unknown liquid.**

Date Taken: **June 25, 2008**

Taken By: **Valeri Hirst** Signature: Valeri Hirst

PHOTO NARRATIVE

PHOTO 9



PHOTO 10



Facility/Case Name: **Etiwanda Generating Station** Facility ID #: **2943**

Address: **8996 Etiwanda Ave., Rancho Cucamonga**

9) Description: **Retention Basin: Collects the rinse-off from the reverse osmosis system that is pumped to flumes to cool steam back to water. Water is discharged (IEUA) due to concentration buildup.**

10) Description: **Top level: the steam turbine and generator. Ground level left: Transformers and neutral pot (tank in middle). Power from the generator goes to the transformer then to the grid in the switchyard and from there to the consumer. The neutral pot is part of the electrical system and is used for grounding. The oil it contains insulates the windings inside.**

Date Taken: **June 25, 2008**

Taken By: **Valeri Hirst** Signature: Valeri Hirst

PHOTO NARRATIVE

PHOTO 11



PHOTO 12



Facility/Case Name: **Etiwanda Generating Station** Facility ID #: **2943**

Address: **8996 Etiwanda Ave., Rancho Cucamonga**

11) Description: **Satellite accumulation area, L to R: (4) 55-gallon drums of diesel fuel, (1) 55-gallon drum of Universal waste aerosol cans, one spill kit, (1) 55-gallon drum of solid oily waste (rags & filters) and (1) 55-gallon drum of used oil.**

12) Description: **(12) 55-gallon drums of oil and (1) 55-gallon drum of cleaner (floors and equipment).**

Date Taken: **June 25, 2008**

Taken By: **Valeri Hirst** Signature: Valeri Hirst

PHOTO NARRATIVE

PHOTO 13



PHOTO 14



Facility/Case Name: **Etiwanda Generating Station** Facility ID #: **2943**

Address: **8996 Etiwanda Ave., Rancho Cucamonga**

13) Description: **Oil dispensing area: (8) 55-gallon drums of oil and (1) 55-gallon drum of Blue Horizon cleaner.**

14) Description: **Oil dispensing area: Oil filters are drained in a 5-gallon container (right), cut in half with a saw (left) and then put in hazardous waste drums for solid oily waste. Oil is filtered (Lube oil storeroom) to reduce changes.**

Date Taken: **June 25, 2008**

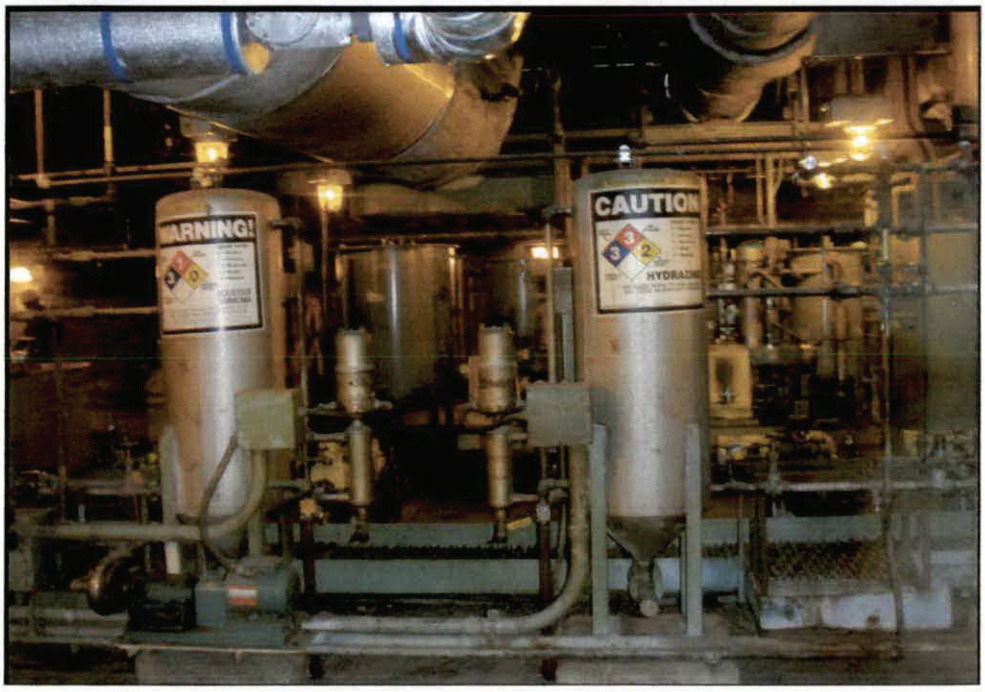
Taken By: **Valeri Hirst** Signature: Valeri Hirst

PHOTO NARRATIVE

PHOTO 15



PHOTO 16



Facility/Case Name: **Etiwanda Generating Station** Facility ID #: **2943**

Address: **8996 Etiwanda Ave., Rancho Cucamonga**

15) Description: **(1) 55-gallon drum of sodium nitrate and (1) 55-gallon drum of trisodium phosphate used in the boiler water treatment.**

16) Description: **Left: Day tank for 19% aqueous ammonia used in boiler water treatment. The ammonia solution is pumped to the day tank from the main aqueous ammonia storage tanks. Right: Day tank for 35% hydrazine solution, also used in boiler water treatment. A tote of hydrazine solution in the next room is used to supply this day tank.**

Date Taken: **June 25, 2008**

Taken By: **Valeri Hirst** Signature: Valeri Hirst

PHOTO NARRATIVE

PHOTO 17



PHOTO 18



Facility/Case Name: **Etiwanda Generating Station** Facility ID #: **2943**

Address: **8996 Etiwanda Ave., Rancho Cucamonga**

17) Description: **An ~250-gallon tote of 35% hydrazine solution that is pumped to a day tank in the next room for treatment of the boiler water. Vendor comes and replaces tote as needed.**

18) Description: **Container in maintenance area used for paint storage.**

Date Taken: **June 25, 2008**

Taken By: **Valeri Hirst** Signature: Valeri Hirst

PHOTO NARRATIVE

PHOTO 19



PHOTO 20



Facility/Case Name: **Etiwanda Generating Station** Facility ID #: **2943**

Address: **8996 Etiwanda Ave., Rancho Cucamonga**

19) Description: **Tanks of Nalco 73199 and 73202 descaler, used to clean algae in cooling towers.**

20) Description: **Left: Tank of sulfuric acid used to adjust pH for cooling towers. Right: Tank of sodium hypochlorite also used in the treatment of the cooling tower water.**

Date Taken: **June 25, 2008**

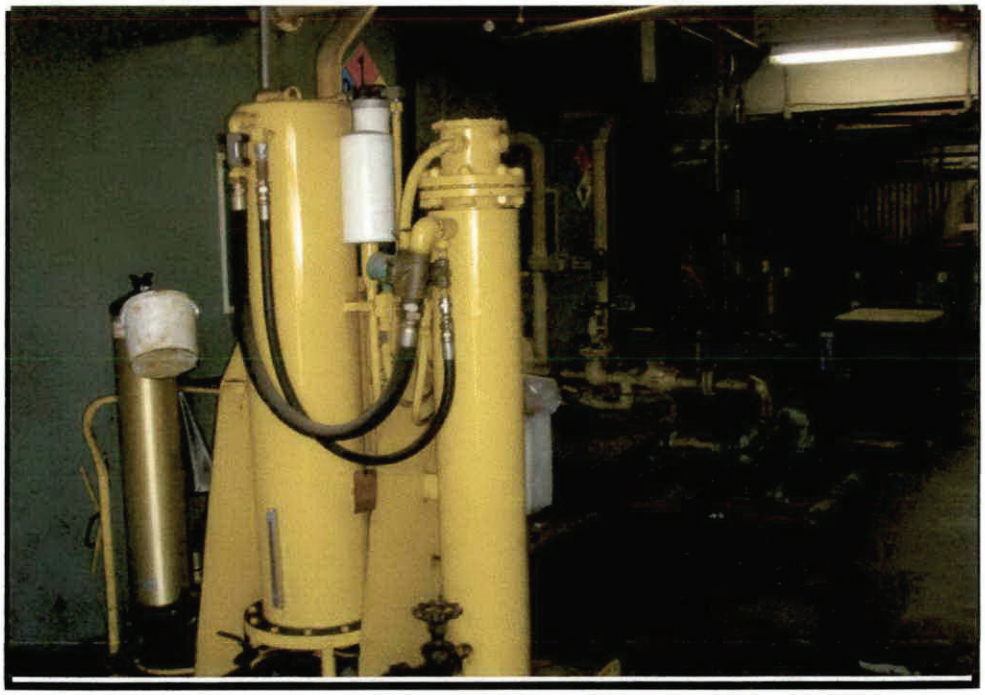
Taken By: **Valeri Hirst** Signature: Valeri Hirst

PHOTO NARRATIVE

PHOTO 21



PHOTO 22



Facility/Case Name: **Etiwanda Generating Station** Facility ID #: **2943**

Address: **8996 Etiwanda Ave., Rancho Cucamonga**

21) Description: **Compressed gas storage outside of the maintenance building. Gases include oxygen, nitrogen, helium, and argon.**

22) Description: **Lube oil storage room. There are 4 lube oil tanks: (1) 10,000-gallon and (3) 6,000-gallon tanks. The oil is run through a filtration system (front of picture).**

Date Taken: **June 25, 2008**

Taken By: **Valeri Hirst** Signature: Valeri Hirst

PHOTO 23

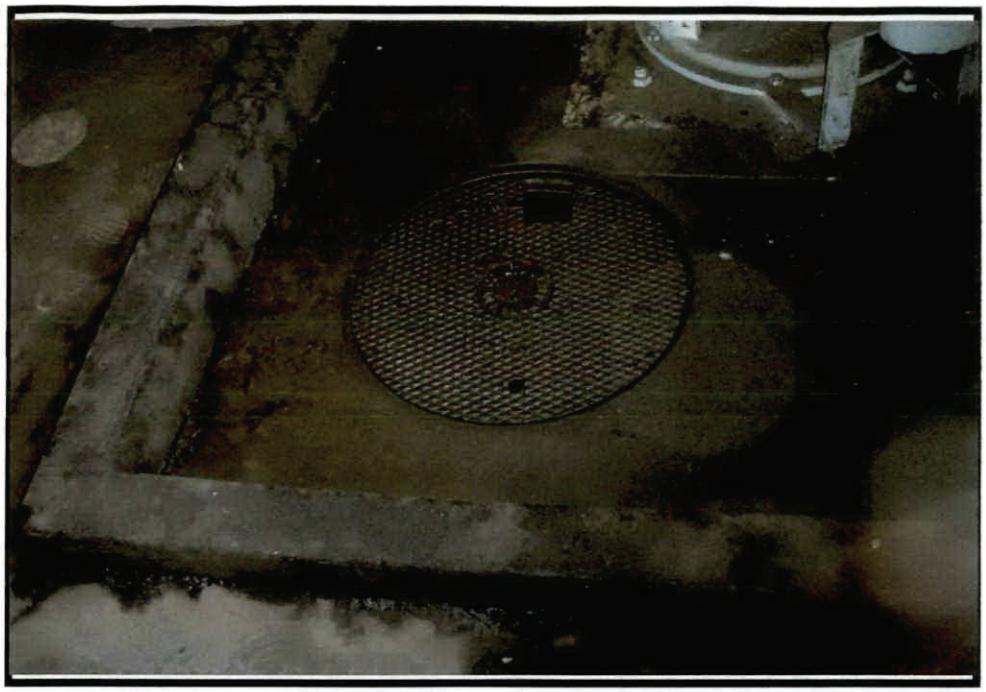


PHOTO 24



Facility/Case Name: **Etiwanda Generating Station** Facility ID #: **2943**

Address: **8996 Etiwanda Ave., Rancho Cucamonga**

23) Description: **Any oil leaks or spills in the lube oil storage room drain to a sump (pictured).**

24) Description: **The oily water from the sump in the lube oil storage room is pumped to this tank outside of the building. The oil and water is gravity separated. The oil is disposed of as hazardous waste. This tank was empty at the time of the inspection.**

Date Taken: **June 25, 2008**

Taken By: **Valeri Hirst** Signature: Valeri Hirst

PHOTO NARRATIVE

PHOTO 25



PHOTO 26



Facility/Case Name: **Etiwanda Generating Station** Facility ID #: **2943**

Address: **8996 Etiwanda Ave., Rancho Cucamonga**

25) Description: **The retention basin. All wastewater drains here except for water from the cooling towers. From here it is discharged to Inland Empire Utility Agency (IEUA). This is one of two lines to IEUA – the other is for the cooling tower discharge.**

26) Description: **The holding pond or "Lake Etiwanda". The water in the pond consists of IEUA reclaim water, well water, and sometimes Colorado River water (MWD) when needed. The pump to the oil coolers can be seen to the far left (west side). Water coming back from the oil coolers comes in on the north side, IEUA reclaim water comes in on the east side and MWD water on the south side.**

Date Taken: **June 25, 2008**

Taken By: **Valeri Hirst** Signature: Valeri Hirst

PHOTO NARRATIVE

PHOTO 27



PHOTO 28



Facility/Case Name: **Etiwanda Generating Station** Facility ID #: **2943**

Address: **8996 Etiwanda Ave., Rancho Cucamonga**

27) Description: **Violation corrected: All unknown materials/liquids in the drums that were observed in the "Empty Drum Storage Area" were identified, combined as allowed, properly labeled as hazardous waste and moved to the hazardous waste storage area for disposal.**

28) Description: **All empty drums from the empty drum storage area were properly labeled and moved to the hazardous waste storage area for removal.**

Date Taken: **June 25, 2008**

Taken By: **Valeri Hirst** Signature: Valeri Hirst

PHOTO NARRATIVE

PHOTO 29

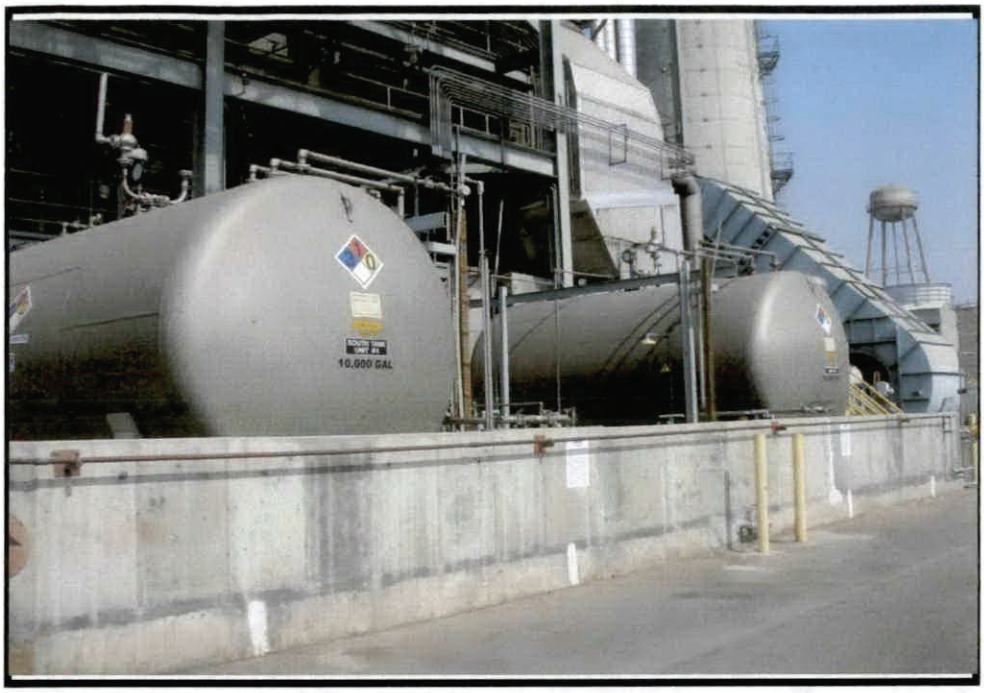


PHOTO 30



Facility/Case Name: **Etiwanda Generating Station** Facility ID #: **2943**

Address: **8996 Etiwanda Ave., Rancho Cucamonga**

29) Description: **CalARP: Looking northerly at the ammonia tanks in the secondary containment area. Aqueous ammonia is used for Nox control for the boiler emissions of Units 3 & 4. The aqueous ammonia is also used in the boiler water treatment.**

30) Description: **CalARP: The 10,000-gallon ammonia storage tank on the south end of the containment area.**

Date Taken: **June 25, 2008**

Taken By: **Valeri Hirst** Signature: Valeri Hirst

PHOTO NARRATIVE

PHOTO 31



PHOTO 32



Facility/Case Name: **Etiwanda Generating Station** Facility ID #: **2943**

Address: **8996 Etiwanda Ave., Rancho Cucamonga**

31) Description: **CalARP: The 10,000-gallon ammonia storage tank on the north end of the containment area.**

32) Description: **CalARP: The backside of the ammonia tank containment area.**

Date Taken: **June 25, 2008**

Taken By: **Valeri Hirst** Signature: Valeri Hirst

Hirst, Valeri

From: Lacroix, Paul [PLacroix@reliant.com]
Sent: Friday, June 27, 2008 1:54 PM
To: Hirst, Valeri
Subject: RE: Test Reagents & Hydrogen

Hi Valeri,

I had the chemical technician put together a chart showing the following information:
1) What system is being tested
2) What that system pH is before the test
3) Why he is running the test
4) What Reagent is being used to perform the test
5) What the pH is of the sample after the test is completed

I hope this is what you are looking fore.

The Hydrogen is used as the cooling medium for the electrical generators. As the generators make electricity they get hot. The gas is circulated inside the generator to absorb the heat and then around a water cooler to cool the gas down and then back into the generator area to cool down the generator again. It is a closed loop system for the gas and the water comes from the makeup pond (Duck Pond) through the cooler and then back (part of the green water) to the make up pond.

Paul Lacroix
Reliant Energy
Etiwanda Generating Station
Environmental & Safety Representative
Office 909-899-7290
Cell 909-322-5971

From: Hirst, Valeri [mailto:VHirst@sbcfire.org]
Sent: Thursday, June 26, 2008 10:51 AM
To: Lacroix, Paul
Subject: Test Reagents & Hydrogen

Hi Paul,
Thanks for sending over the MSDS for the test reagents. What we would like is to have a record of the pH of each test solution before it is disposed of (without any adjustments for disposal). This can be done by your lab personnel. Also, I need a clarification of what the hydrogen is used for. Thank you.

Valeri Hirst, REHS II
San Bernardino County Fire Department
Office of the Fire Marshal
Hazardous Materials Division
620 South E Street
San Bernardino, CA 92415-0179

Phone (909) 386-8401
FAX (909) 386-8460
vhirst@sbcfire.org

Sample	Sample pH before Reagent	Analysis Used For	Reagent Name	pH of Sample With Reagent
Flume	8.00	High Range Silca	Molybdate Reagent	8.00
Flume	8.00	High Range Silca	Acid Reagnet	8.00
Flume	8.00	High Range Silca	Citric Acid	8.00
Boiler Water	9.35	Low Range Silica	Citric Acid	9.35
Boiler Water	9.35	Low Range Silica	Amino Acid F Reagent	9.35
Flume	8.00	Benzotriazole	Triazole Reagent	8.00
Distilled Water	7.45	High Range Silca	Holmium Trichlorinde	7.45
Bearing Cooling Water	9.06	Nitrates	NitraVer 5 Nitrate Reagent	9.06
Bearing Cooling Water	9.06	Nitrites	NitriVer 2 Nitrite Reagent	9.06
Bearing Cooling Water	9.06	Total Hardness	ManVer 2 Hardness Indicator	9.06
Bearing Cooling Water	9.06	Calcium Hardness	CalVer 2 Calcium Indicator	9.06

Lacroix, Paul

From: Jeanne Doolittle [Jeanne.Doolittle@Airgas.com]
Sent: Wednesday, June 25, 2008 2:25 PM
To: Lacroix, Paul; Darnell, Richard E.
Subject: Airgas Ammonium Hydroxide Training Agenda
Attachments: Airgas Ammonium Hydroxide Training Agenda.doc

The training dates this year were April 3 and April 17. Both training events included ammonium hydroxide delivery equipment (truck/trailer) to review the appropriate offload procedures, safety equipment and emergency response.

Let me know if you require additonal information.

Regards,

Jeanne Doolittle
909 263 9629

Airgas

Yearly training

Jeanne R. Doolittle
Account Manager
Airgas Specialty Products
15116 Canary Avenue
La Mirada, CA 90638
(909) 263-9629 Fax: (909) 972-0066
http://www.airgasspecialtyproducts.com

AMMONIUM HYDROXIDE TRAINING CLASS

By Airgas Specialty Products, Inc.

Ammonium Hydroxide training class will take approximately (2) hours.

COVERING THE FOLLOWING:

- **AMMONIUM HYDROXIDE:** Identification, Composition, and uses for ammonia in the industry.
- **TRANSPORTATION**: Manufacturing, transporting and precautions.
- **SAFE HANDLING:** Equipment, PPM levels, PPE and safety features in place. .
- **PHYSICAL PROPERTY:** Characteristics of ammonium hydroxide and its reaction under certain conditions.
- **FLAMMABILITY:** Will it burn? Handling this situation.
- **HEALTH & SAFETY:** Potential health effects, eye & skin contact and first aid.
- **SPILL & LEAK PROCEDURES:** Safety features on customer's tank and vendor's delivery truck. Who do we call? What do we do?
- **OFF LOADING PROCEDURES:** Truck and driver on site to go over all safety features
- **EMERGENCY SHUT DOWN PROCEDURES:** For our vessel as well as our trucks.
- **Quiz: (optional)**
- **Questions and answers:**

The above described class will involve a 20 minute video using the scenario of a new ammonia operator/driver experiencing an ammonia spill, learning to identify ammonia characteristics, emergency response measures, first aid, etc. as he goes through a typical day on-the-job.

It will include a complete review of the **MSDS** and will cover all aspects of safety relating to the handling and storage of "**AMMONIUM HYDROXIDE**".

POTENTIAL SPILL SOURCES AND HAZARD IDENTIFICATION CONTAINERS
ABOVEGROUND STORAGE CONTAINERS

(Any container that stores oil)

Container I.D	Substance Stored *(Oil & Haz. Substance)*	Maximum Capacity *(Gallons)*	Tank Type *(ie. floating roof, fixed roof, etc.)*	Potential Failure	Rate of Flow* (gpm)	Failure / Cause *(Record cause and date of any Tank failure which has resulted in a loss of tank contents)*	Direction of Flow	Secondary Containment
BULK STORAGE CONTAINERS								
Aboveground Storage Tank	Gasoline	250	Vertical	Leak/Rupture	-----	N/A	South	Curbing and gravel
Room West Storage Tank	Lube Oil	10,000	Vertical	Leak/Rupture	-----	N/A	South	Plant Drains[1]
Room Center West Storage Tank	Lube Oil	6,000	Vertical	Leak/Rupture	-----	N/A	South	Plant Drains[1]
Room Center East Storage Tank	Lube Oil	6,000	Vertical	Leak/Rupture	-----	N/A	South	Plant Drains[1]
Room East Storage Tank	Lube Oil	6,000	Vertical	Leak/Rupture	-----	N/A	South	Plant Drains[1]
Drum Storage Areas Lube Oil	Lube Oil	35 @ 55 gal. = 1,925	Drums	Leak/Rupture	-----	N/A	South	Plant Drains[1]
Lube Oil Holding Tank	Used Lube Oil	230	Vertical	Leak/Rupture	-----	N/A	North	Curbing, Plant Drains[1]
Waste Oil Separator Tank	Oil/Water	250	Horizontal	Leak/Rupture	-----	N/A	South	Retention Basin
Skimmer Collection Holding, North	Oil/Water	2,300	Vertical	Leak/Rupture	-----	N/A	South	5,700 gallons
Skimmer Collection Holding, South	Oil/Water	2,300	Vertical	Leak/Rupture	-----	N/A	South	5,700 gallons

* Pinpoint leak to catastrophic collapse.

1 Plant drains flow to an oil/water separator and then to a retention basin.

POTENTIAL SPILL SOURCES AND HAZARD IDENTIFICATION CONTAINERS
ABOVEGROUND STORAGE CONTAINERS

(Any container that stores oil)

Container I.D	Substance Stored (Oil & Haz. Substance)	Maximum Capacity (Gallons)	Tank Type (ie. floating roof, fixed roof, etc.)	Potential Failure	Rate of Flow* (gpm)	Failure / Cause (Record cause and date of any Tank failure which has resulted in a loss of tank contents)	Direction of Flow	Secondary Containment
OPERATIONAL EQUIPMENT								
Unit 1 Main Trans. "A" Phase	Transformer Oil	7,290	Transformer	Leak/Rupture	-----	N/A	Pond in area, south	Curbing
Unit 1 Main Trans. "B" Phase	Transformer Oil	7,290	Transformer	Leak/Rupture	-----	N/A	Pond in area, south	Curbing
Unit 1 Main Trans. "C" Phase	Transformer Oil	7,290	Transformer	Leak/Rupture	-----	N/A	Pond in area, south	Curbing
Unit 2 Main Trans. "A" Phase	Transformer Oil	7,290	Transformer	Leak/Rupture	-----	N/A	Pond in area, south	Curbing
Unit 2 Main Trans. "B" Phase	Transformer Oil	7,290	Transformer	Leak/Rupture	-----	N/A	Pond in area, south	Curbing
Unit 2 Main Trans. "C" Phase	Transformer Oil	7,290	Transformer	Leak/Rupture	-----	N/A	Pond in area, south	Curbing
Unit 3 Main Transformer	Transformer Oil	19,800	Transformer	Leak/Rupture	-----	N/A	Pond in area, south	Curbing, Plant Drains[1]
Unit 4 Main Transformer	Transformer Oil	19,800	Transformer	Leak/Rupture	-----	N/A	Pond in area, south	Curbing, Plant Drains[1]
Unit 5 Main Transformer	Transformer Oil	6,775	Transformer	Leak/Rupture	-----	N/A	South	Curbing
Units 1 & 2 Spare Main Trans.	Transformer Oil	7,290	Transformer	Leak/Rupture	-----	N/A	South	Curbing
Units 3 & 4 Spare Main Trans.	Transformer Oil	11,725	Transformer	Leak/Rupture	-----	N/A	South	Curbing
Unit 5 Spare Main Transformer	Transformer Oil	9,430	Transformer	Leak/Rupture	-----	N/A	Pond in area, south	Gravel curbing
Unit 3 Aux. Transformer	Transformer Oil	2,640	Transformer	Leak/Rupture	-----	N/A	Pond in area, south	Curbing, Plant Drains[1]
Unit 4 Aux. Transformer	Transformer Oil	2,640	Transformer	Leak/Rupture	-----	N/A	South	Curbing, Plant Drains[1]
Unit 5 Emergency Aux. Trans.	Transformer Oil	700	Transformer	Leak/Rupture	-----	N/A	South	Curbing

* Pinpoint leak to catastrophic rupture.

1 Plant drains flow to an oil/water separator and then to a retention basin.

POTENTIAL SPILL SOURCES AND HAZARD IDENTIFICATION CONTAINERS
ABOVEGROUND STORAGE CONTAINERS (Cont'd)

(Any container that stores oil)

Container I.D.	Substance Stored *(Oil & Haz. Substance)*	Maximum Capacity *(Gallons)*	Tank Type *(ie. floating roof, fixed roof, etc.)*	Potential Failure	Rate of Flow* (gpm)	Failure / Cause *(Record cause and date of any Tank failure which has resulted in a loss of tank contents)*	Direction of Flow	Secondary Containment
OPERATIONAL EQUIPMENT (Cont'd)								
Unit 1 Station Service Trans.	Transformer Oil	610	Transformer	Leak/Rupture	-----	N/A	South	Plant Drains[1]
Unit 2 Station Service Trans.	Transformer Oil	610	Transformer	Leak/Rupture	-----	N/A	South	Plant Drains[1]
Units 1 & 2 Reserve Trans.	Transformer Oil	4,240	Transformer	Leak/Rupture	-----	N/A	South	Plant Drains[1]
Units 1 & 2 Station Service Reserve Trans.	Transformer Oil	610	Transformer	Leak/Rupture	-----	N/A	South	Plant Drains[1]
Unit 3 Station Service Trans.	Transformer Oil	1,069	Transformer	Leak/Rupture	-----	N/A	South	Plant Drains[1]
Unit 4 Station Service Trans.	Transformer Oil	1,069	Transformer	Leak/Rupture	-----	N/A	South	Curbing, Plant Drains[1]
Units 3 & 4 66KV Reserve Trans.	Transformer Oil	2,840	Transformer	Leak/Rupture	-----	N/A	South	Plant Drains[1]
Unit 5 Station Service Trans.	Transformer Oil	399	Transformer	Leak/Rupture	-----	N/A	South	Curbing
Unit 1 Lighting Transformer	Transformer Oil	228	Transformer	Leak/Rupture	-----	N/A	South	Plant Drains[1]
Unit 2 Lighting Transformer	Transformer Oil	228	Transformer	Leak/Rupture	-----	N/A	South	Plant Drains[1]
Units 1 & 2 Res. Lighting Trans.	Transformer Oil	228	Transformer	Leak/Rupture	-----	N/A	South	Gravel curbing
Cooling Tower Make-up Sub North Trans.	Transformer Oil	200	Transformer	Leak/Rupture	-----	N/A	Pond in area, south	Gravel curbing
Cooling Tower Make-up Sub. South Trans.	Transformer Oil	200	Transformer	Leak/Rupture	-----	N/A	Pond in area, south	Gravel curbing

* Pinpoint leak to catastrophic rupture.

1 Plant drains flow to an oil/water separator and then to a retention basin.

POTENTIAL SPILL SOURCES AND HAZARD IDENTIFICATION CONTAINERS
ABOVEGROUND STORAGE CONTAINERS (Cont'd)

(Any container that stores oil)

Container I.D.	Substance Stored (Oil & Haz. Substance)	Maximum Capacity (Gallons)	Tank Type (ie. floating roof, fixed roof, etc.)	Potential Failure	Rate of Flow* (gpm)	Failure / Cause (Record cause and date of any Tank failure which has resulted in a loss of tank contents)	Direction of Flow	Secondary Containment
OPERATIONAL EQUIPMENT (Cont'd)								
Unit 1 Cool. Tower East Sub. Trans.	Transformer Oil	430	Transformer	Leak/Rupture	-----	N/A	North	Closed Loop Cooling Water Tower
Unit 1 Cool. Tower West Sub. Trans.	Transformer Oil	430	Transformer	Leak/Rupture	-----	N/A	North	Closed Loop Cooling Water Tower
Unit 2 Cool. Tower East Sub. Trans.	Transformer Oil	430	Transformer	Leak/Rupture	-----	N/A	North	Closed Loop Cooling Water Tower
Unit 2 Cool. Tower West Sub. Trans.	Transformer Oil	430	Transformer	Leak/Rupture	-----	N/A	North	Closed Loop Cooling Water Tower
Unit 3 Cool. Tower East Sub. Trans.	Transformer Oil	370	Transformer	Leak/Rupture	-----	N/A	South	Gravel curbing
Unit 3 Cool. Tower West Sub. Trans.	Transformer Oil	370	Transformer	Leak/Rupture	-----	N/A	South	Gravel curbing
Unit 4 Cool. Tower East Sub. Trans.	Transformer Oil	370	Transformer	Leak/Rupture	-----	N/A	South	Gravel curbing
Unit 4 Cool. Tower West Sub. Trans.	Transformer Oil	370	Transformer	Leak/Rupture	-----	N/A	South	Gravel curbing
Units 1 & 2 Neutral Ground Reactor	Transformer Oil	814	Transformer	Leak/Rupture	-----	N/A	South	Curbing
Unit 3 North Neutral Ground Reactor	Transformer Oil	610	Transformer	Leak/Rupture	-----	N/A	South	Curbing
Unit 3 South Neutral Ground Reactor	Transformer Oil	583	Transformer	Leak/Rupture	-----	N/A	South	Curbing
Unit 4 Neutral Ground Reactor	Transformer Oil	750	Transformer	Leak/Rupture	-----	N/A	South	Curbing
East Well Water Pump Transformer	Transformer Oil	270	Transformer	Leak/Rupture	-----	N/A	Pond on site, South	Pond in area

* Pinpoint leak to catastrophic rupture.

1 Plant drains flow to an oil/water separator and then to a retention basin.

POTENTIAL SPILL SOURCES AND HAZARD IDENTIFICATION CONTAINERS
ABOVEGROUND STORAGE CONTAINERS (Cont'd)

(Any container that stores oil)

Container I.D.	Substance Stored *(Oil & Haz. Substance)*	Maximum Capacity *(Gallons)*	Tank Type *(Ie. floating roof, fixed roof, etc.)*	Potential Failure	Rate of Flow* (gpm)	Failure / Cause *(Record cause and date of any Tank failure which has resulted in a loss of tank contents)*	Direction of Flow	Secondary Containment
OPERATIONAL EQUIPMENT (Cont'd)								
Center Well Water Pump Transformer	Transformer Oil	270	Transformer	Leak/Rupture	-----	N/A	West	Pond in Area
West Well Water Pump Transformer	Transformer Oil	270	Transformer	Leak/Rupture	-----	N/A	South	Pond in Area
Unit 1 Main Reservoir	Lube Oil	4,200	Reservoir	Leak/Rupture	-----	N/A	South	Plant Drains[1]
Unit 2 Main Reservoir	Lube Oil	4,200	Reservoir	Leak/Rupture	-----	N/A	South	Plant Drains[1]
Unit 3 Main Reservoir	Lube Oil	6,450	Reservoir	Leak/Rupture	-----	N/A	South	Plant Drains[1]
Unit 4 Main Reservoir	Lube Oil	6,450	Reservoir	Leak/Rupture	-----	N/A	South	Plant Drains[1]
Unit 5 Main Reservoir	Lube Oil	4,377	Reservoir	Leak/Rupture	-----	N/A	South	Plant Drains[1]
Unit 5 Reservoir	Hydraulic Oil	175	Reservoir	Leak/Rupture	-----	N/A	South	Plant Drains[1]

* Pinpoint leak to catastrophic rupture.

1 Plant drains flow to an oil/water separator and then to a retention basin.

POTENTIAL SPILL SOURCES AND CONTAINER IDENTIFICATION
(*Any container that stores oil*)

Source I.D.	Substance Held *(Oil & Haz. Substance)*	Source Type *(i.e. piping, separation equipment, etc.)*	Potential Failure	Rate of Flow	Direction of Flow
OTHER POTENTIAL SPILL SOURCES					
Transfer Truck	Gasoline	Truck	Leak/Line Failure	Varies	South
Transfer Truck	Lube Oil	Truck	Leak/Line Failure	Varies	Plant drain

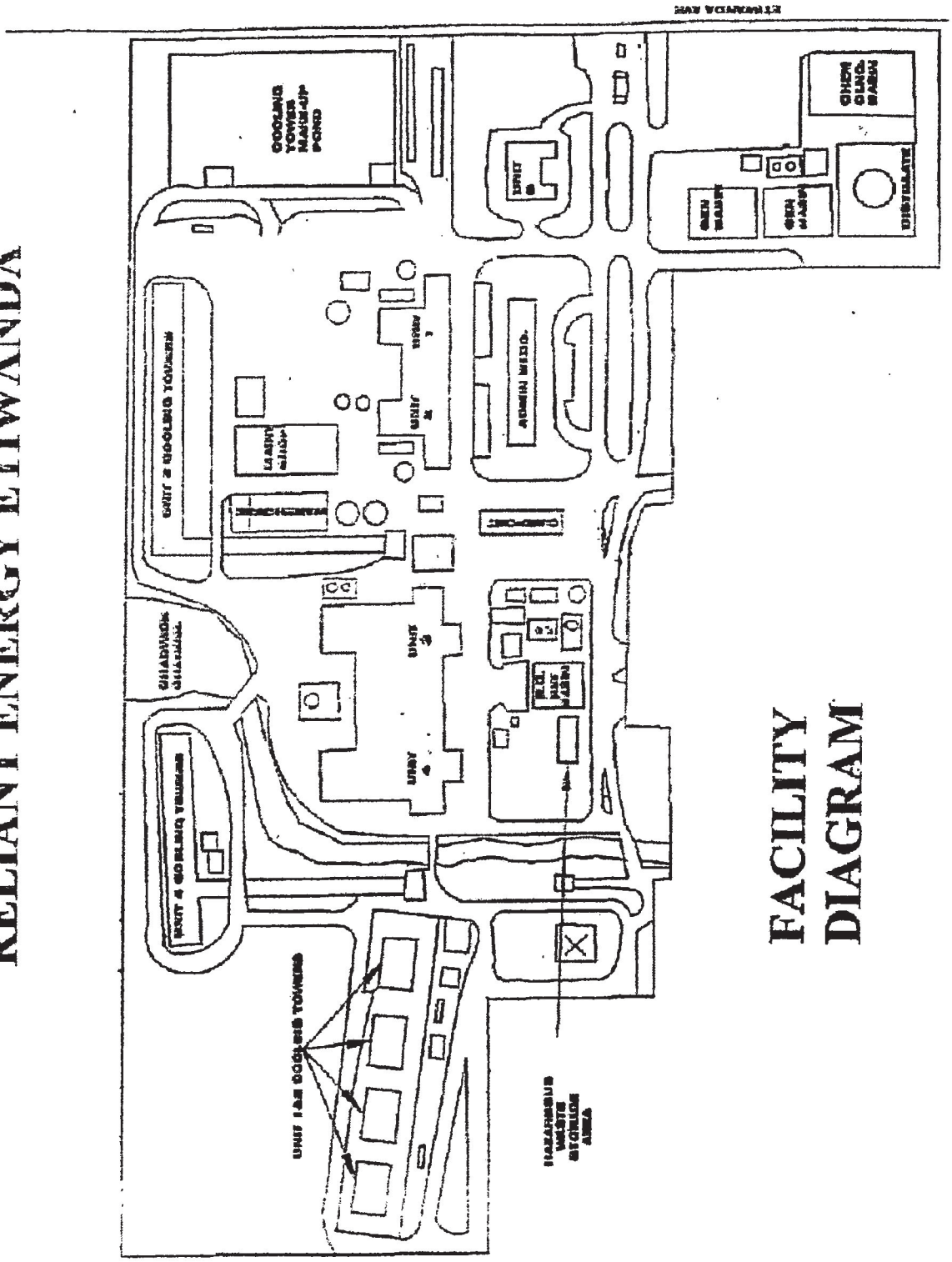
HAZARD IDENTIFICATION SURFACE IMPOUNDMENTS (SI)

SI Number	Substance Stored	Quantity Stored (Gallons)	Maximum Capacity (Gallons)	Surface Area	Failure / Cause *(Record cause and date of any SI failure which has resulted in the loss of SI contents)*
North Retention Basin	Oily Water	215,061	651,702	Lined	N/A
South Retention Basin	Oily Water	215,061	651,702	Lined	N/A

HAZARD IDENTIFICATION COMPLETELY BURIED TANKS

Container I.D	Substance Stored *(Oil & Haz. Substance)*	Maximum Capacity *(Gallons)*	Tank Type *(ie. floating roof, fixed roof, etc.)*	Potential Failure	Rate of Flow *(gpm)*	Failure / Cause *(Record cause and date of any Tank failure which has resulted in a loss of tank contents)*	Direction of Flow	Secondary Containment Capacity *(Gallons)*
			There are no Completely Buried Storage Tanks at the Facility.					

RELIANT ENERGY ETIWANDA



FACILITY DIAGRAM

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 •www.sbcfire.org

PRELIMINARY FIELD INSPECTION REPORT

INSPECTION DATE: June 25, 2008

FACILITY ID	FACILITY NAME:	FACILITY LOCATION:
FA#2943	~~RE~~Etiwanda Generating Station	8996 Etiwanda Ave., Rancho Cucamonga
Consent Granted by: ☑ Inspect ☑ Photograph	NAME Paul LaCroix	TITLE Environmental + Safety Rep.

The following is a preliminary list of violations observed at the time of inspection. The final report may list additional violations. Violations must be corrected within 30 days of receipt of the final report unless otherwise specified below.

#110 - Container Not Labeled "Hazardous Waste" - CCR 66262.34(f)(3)
#111 - Hazardous Waste Label Not Complete - CCR 66262.34(f)(3)
#112 - Accumulation start date not on Container - CCR 66262.34(f)(2)
#119 - Hazardous Waste Not Managed Lawfully - CHSC 25154

Each container used for onsite accumulation of hazardous waste shall be labeled or marked clearly with the words "Hazardous Waste". Additionally all containers shall be labeled with the following information: contents of the container, physical state of the waste, hazardous properties, name + address of the generator and the accumulation start date. It shall be unlawful for any person to manage any hazardous waste except as provided for in this chapter or regulations adopted by the department pursuant to this chapter. Observed several 55-gallon drums with oily rainwater and off-spec ~~sodium~~ ammonium (NH4) hydroxide and descaler stored with the empty drums without the proper labeling for ~~disposal~~ hazardous waste. Also ~~there~~ observed a 5-gallon container with used oil without labeling.

Compliance Requirement: The "empty" containers with hazardous waste residual were properly labeled and moved to the hazardous waste storage area during the inspection. The 5-gallon container of oil was emptied

Inspected By: Valeri Hirst (Sign Name) Valeri Hirst (Print Name)
Received By: (Sign Name) Lee Moore (Print Name)
Title: General Manager
Report Date: June 25, 2008

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460 •www.sbcfire.org

SUPPLEMENTAL INSPECTION REPORT

INSPECTION DATE: June 25, 2008

FACILITY ID	FACILITY NAME:	FACILITY LOCATION:
FA# 2943	Etiwanda Generating Station	8996 Etiwanda Ave., Rancho Cucamonga
Consent Granted by: ☐ Inspect ☑ Photograph	NAME: Paul Lacroix	TITLE: Environmental + Safety Rep.

into a properly labeled hazardous waste accumulation drum.

#116- Hazardous waste containers not closed- CCR66265.173(a) Hazardous waste containers are to remain closed unless adding to or removing the contents. Observed open 55-gal. drums with hazardous waste in the empty container storage area and an open 5-gal. container of oil. Compliance Requirement: The 3 open 55-gal. drums were closed when labeled and the 5-gal. container properly emptied during the inspection.

#117- Contaminated Containers not Managed Properly- CCR66261.7 Containers that previously held a hazardous material or a hazardous waste are considered contaminated containers and shall be managed properly. Empty contaminated containers larger than 5 gallons must be marked with the word "Empty", the date the container became empty and removed within one year of that date. Additionally the empty containers must be closed during storage. Observed several empty containers without the start date and some were open. Compliance Requirement: All empty containers were closed and dated while onsite for inspection.

* Send copies of MSDS for test reagents in lab.

☑ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN 30 DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspected By: Valeri Hirst (Sign Name) Valeri Hirst (Print Name)

Received By: (Sign Name) Lee Moore (Print Name)

Title: General Manager

Report Date: June 25, 2008

CUPA

San Bern[illegible]o County Fire Department • Hazardou[illegible]terials Division

620 South 'E' Street, San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

HAZARDOUS WASTE GENERATOR AND HAZARDOUS MATERIALS HANDLER INSPECTION REPORT

Facility Name: **Etiwanda Generating Station** Date: **8/28/02**

Street Address: **8996 Etiwanda** Est. No: **86008879 / FA0002943**

City: **Rancho Cucamonga** Zip Code: **91739** EPA ID No: **CAR000038158**

Facility Contact: **Kimberly Brown** Phone No. **909-899-7204** Number of Employees:

Refer to Title 19 and Title 22 of the California Code of Regulations (CCR), Chapter 6.5 of the Health and Safety Code (CHSC) and Division 3 of Title 2 of the San Bernardino County Code (CC). The following code sections are either in Violation (V) of, or in Compliance (C) with, the applicable laws and regulations, or compliance is not applicable, not addressed or unknown (N).

GENERAL REQUIREMENTS FOR GENERATORS		V	C	N	
101. Hazardous Waste Generator Permit current	CC 23.0602(b)(1)			X	*
102. Facility access for inspection granted - HW only	CHSC 25185			X	*
103. Hazardous Waste determination made	CCR 66262.11			X	*
104. EPA ID Number obtained	CCR 66262.12(a)			X	*
105. Hazardous Waste storage/treatment authorization	CHSC 25189.5(d)			X	*
106. Facility operated/maintained to prevent release/fire	CCR 66265.31			X	*
107. Contingency Plan established	CCR 66265.51(a)			X	*
108. Recyclable materials managed lawfully	CHSC 25143.2			X	*
STORAGE AND LABELING REQUIREMENTS					
110. Hazardous Waste containers labeled	CCR 66262.34(f)(3)			X	
111. Hazardous Waste container label complete	CCR 66262.34(f)(3)				
112. Accumulation start date on labels	CCR 66262.34(f)(2)			X	
113. Hazardous Waste accumulation time not exceeded	CCR 66262.34			X	
114. Hazardous Waste containers sound	CCR 66265.171			X	*
115. Hazardous Waste containers not leaking	CCR 66265.173(b)			X	*
116. Hazardous Waste containers closed	CCR 66265.173(a)			X	
117. Contaminated containers managed properly	CCR 66261.7			X	*
118. Container storage area inspected weekly	CCR 66265.174			X	
119. Hazardous Waste managed lawfully	CHSC 25154			X	*
120. Aboveground Tank storage area inspected daily	CCR 66265.195			X	
HAZARDOUS WASTE RECORDS AND MANIFESTS					
125. Hazardous Waste transported with a manifest	CCR 66262.20(a)			X	*
126. Hazardous Waste manifest complete	CCR 66262.23			X	*
127. Hazardous Waste manifests sent to DTSC	CCR 66262.23(a)(4)			X	
128. Manifests retained for at least 3 years	CCR 66262.40(a)			X	
129. Biennial Report prepared	CCR 66262.41			X	
130. Hazardous Waste analyses retained for 3 years	CCR 66262.40(c)			X	
131. Training documentation complete & available	CCR 66265.16			X	*
132. SB 14 completed and available	CCR 67100.3			X	
MANAGEMENT OF USED OIL AND BATTERIES					
135. Used oil managed properly	CHSC 25250.4			X	
136. Used oil not contaminated with Hazardous Waste	CHSC 25250.7			X	
137. Used oil receipts complete & available	CHSC 25250.8(b)			X	
138. Used oil filters managed lawfully	CCR 66266.130			X	
139. Used batteries managed lawfully	CCR 66266.81			X	
DISPOSAL AND TRANSPORTATION					
145. Illegal disposal/abandonment of Hazardous Waste	CHSC 25189.5(a)			X	*
146. Illegal disposal of used oil	CHSC 25250.5(a)			X	*
147. Transportation of Hazardous Waste w/o registration	CHSC 25163			X	*
148. Hazardous Waste hauled by registered transporter	CHSC 25163			X	*
149. Haz. Waste transported to an unauthorized facility	CHSC 25189.5(c)			X	*

RELEASE AND RESPONSE/BUSINESS PLANS		V	C	N	
201. Hazardous Material Handler permit current	CC 23.0602(b)(3)			X	
202. Business Plan established	CHSC 25503.5			X	
203. Business Plan submitted/updated	CHSC 25505			X	
204. Hazardous Materials release reported	CHSC 25507			X	
205. Facility access for inspection granted - HM Only	CHSC 25508			X	
206. Regulated Substances registration filed	CHSC 25533(a)			X	
207. SPCC Plan completed	CHSC 25270.5(c)			X	

INSPECTION NARRATIVE

Facility notified this Department that treatment authorized under the Conditional Exemption tier of tiered permitting is no longer conducted onsite. This Department has received appropriate notification of closure of the CE unit. No other treatment activity required to be authorized under Tiered Permitting is conducted onsite. Permits for this activity will be inactivated.

If you have any questions please contact this Department at (909) 386-8401.

☐ NOTICE OF VIOLATION: THE VIOLATIONS NOTED ABOVE MUST BE CORRECTED WITHIN ____ DAYS. FAILURE TO COMPLY MAY RESULT IN LEGAL ACTION. THE CERTIFICATE OF COMPLIANCE SHALL BE SUBMITTED WITHIN THE TIME PERIOD NOTED ABOVE.

Inspector: Kathleen Brundage Received by: mail Title:

Revised 7/25/2002

San Bernardino County Fire Department
Hazardous Materials Division
Hazardous Materials Response Report
Printed: 2/14/2002 11:58:57 AM

CO0002860

INCIDENT IDENTIFICATION/TRACKING

HMRR Number 2002021101S OES Number 20789 Cost Recovery Request? ☐
Date In 2/9/2002 Date Out 2/10/2002 Time In _____ Time Out _____ Hrs. _____
Reporting Party KIM BROWN/RELIANT ENERGY Telephone Number (909) 899-7204

INCIDENT LOCATION

Street Number 8996 Street Direction ___ Street Name ETIWANDA AVE
Cross Street _____
City RANCHO CUCAMONGA Zip Code 91739 Unincorporated Area # _____

INCIDENT DESCRIPTION

Incident Type: RELEASE/ FACILITY RELATED Response Team Responded? ☐
Environment Type: FACILITY SITE Rural ☐ Suburban ☐ Urban ☐ Industrial ☑
Hazmat Released? ☑ Air ☐ Water ☑ Soil ☐ Human ☐ Animal ☐ Dispersed ☐ Contained ☐

MATERIAL DESCRIPTION

Chemical Name	Rel/Amt	Units	Container	DOT
COOLING WATER (CHLORINE)	1000	GAL		

ACTIONS TAKEN AT INCIDENT

HazMat Contained ☐ HazMat Removed ☐ HazMat Neutralized ☐ Washed Down ☐
Barriers Established ☐ Road Closure ☐ Evacuation Ordered ☐ Radius Evacuated _____ Miles
Hospitalization Required? ☐ How Many? _____ Hospital Name _____
Hauler Used? ☐ Hauler Name _____ Manifest No. _____
Complaint Taken ☐ Referred ☑ To: GAIL BECKHAM DAO Referral ☐ Prop 65 Report ☐

RESPONDING HAZMAT UNITS PRIORITY OF RESPONSE

RESPONDING AGENCY

1 County Fire Department

SBCFDHMD RESPONDERS ON SCENE

1 NICHOLAS, SANDRA 2 NOTIFICATION ONLY

SUSPECT PARTY

Party Name UNKNOWN DOB _____ Drivers Licence # _____
Company Name RELIANT ENERGY Establishment # 86008879
Street Number 8996 Street Direction ___ Street Name ETIWANDA AVE
City RANCHO CUCAMONGA State CA Zip Code 91739 Phone 909/899-7204

RESPONSIBLE PARTY OR PROPERY OWNER

Property Owners Name RELIANT ENERGY
Street Number 8996 Street Direction ___ Street Name ETIWAND AVE
Date of Entry Thursday, February 14, 2002 Entered By NICHOLAS, SANDRA HMRR Number 2002021101S

San Bernardino County Fire Department
Hazardous Materials Division
Hazardous Materials Response Report
Printed: 2/14/2002 11:58:57 AM

City RANCHO CUCAMONGA State CA Zip Code 91739 Phone 909/899-7204

NARRATIVE AND ADDITIONAL INFORMATION

NOTIFICATION ONLY - SUBSTANCE WAS RELEASED DUE TO WIND DAMAGE TO UNIT.

Date of Entry Thursday, February 14, 2002 Entered By NICHOLAS, SANDRA HMRR Number 2002021101S

RELIANT ENERGY ETIWAI L.L.C.
8996 Etiwanda Avenue
Rancho Cucamonga, CA 91739
(909) 899-7291 FAX (909) 899-7222

June 12, 2001

Bill Sellers
Supervising Investigator
San Bernardino County District Attorney
412 West Hospitality Lane, Suite 300
San Bernardino, CA 92415-0023

Chuck Griffin
Santa Ana Regional Water Quality Control Board
3737 Main Street, Suite 500
Riverside, CA 92501-3339

Joe Ashbaker
San Bernardino County Fire Department
Hazardous Materials Management Division
385 N. Arrowhead Ave.
San Bernardino, CA 92415-0153

COUNTY FIRE
HAZARDOUS MATERIALS
01 JUN 21 PM 1:12

RE: Reliant Energy Etiwanda L.L.C.
Cooling Tower Water Spill

To Whom It May Concern:

On May 31, 2001, Reliant Energy Etiwanda L.L.C. (8996 Etiwanda Avenue, Rancho Cucamonga) overflowed its Number 4 Cooling Tower, causing a spill of approximately 10,000 gallons of cooling water into Chadwick Channel, an on-site drainage channel. The cause of the overflow was found to be a malfunctioning high-level alarm switch. A broken wire in the system was repaired the next day by the station technicians.

This water contained trace amounts of some chemicals, including Sodium Hypochlorite, Sulfuric Acid, and two Calgon chemicals designed to suspend particles in water and prevent corrosion. None of these chemicals were present in concentrations which exceed permitted station discharge limits or any regulatory thresholds. The station took samples of the spilled water and soil from Chadwick Channel to detect any residual contamination.

Enclosed with this letter are copies of analyticals of the soil and water along with a list of actions taken by the station during/ after the incident.

If you have any questions regarding this letter or the attachments, please contact me at (909) 899-7204.

Sincerely,

Kimberly Brown
Plant Environmental and Safety Coordinator
Reliant Energy Etiwanda L.L.C.

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

Submitted to:
Reliant Resources Etiwanda
Attention: Kimberly Brown
8996 Etiwanda Ave.
Rancho Cucamonga CA 91739
Tel: (909)899-7204 Fax: (909)899-7222

Service ID #: 801-013894
Collected by: Kimberly Brown
Collected on: 05/31/01

Received: 06/01/01
Extracted: N/A
Tested: 06/01-11/01
Reported: 06/11/01

Sample Description: Water and Soil from Chadwick Channel
Project Description: Unit 4 Cooling Tower Spill

Analysis of Water and Soil Samples

I . Analysis of Water Samples

Component Analyzed	Method	Unit	PQL	Analysis Result ET053101-water 01-03894-2
Alkalinity	310.1	mg/L	2	380
Bicarbonate	SM2320B	mg/L	2	376
Hydroxide	SM2320B	mg/L	2	4.4
Carbonate	SM2320B	mg/L	2	ND
Chloride Cl^-	325.3	mg/L	1	64
Electric conductivity	120.1/9050	μS/cm	1	1,080
Nitrate (NO_3^-) as N	SM4500NO3D	mg/L	1	9.9
Oil and Grease	413.2	mg/L	1	ND
pH	9040	pH unit	0.01	8.53
Phosphorus, Orthophosphate	365.2	mg/L	0.02	0.045
Solids, Total Dissolved (TDS)	160.1	mg/L	10	809
Sulfate (SO_4^{--})	375.4	mg/L	2	78
Surfactants (MBAS)	425.1	mg/L	0.1	ND
Metals				
Dilution Factor				1
Antimony	6010	mg/L	0.01	ND
Arsenic	6010	mg/L	0.005	0.016
Barium	6010	mg/L	0.01	0.21
Beryllium	6010	mg/L	0.002	ND
Cadmium	6010	mg/L	0.002	ND
Calcium	6010	mg/L	0.2	122
Chromium	6010	mg/L	0.005	0.016
Cobalt	6010	mg/L	0.005	ND
Copper	6010	mg/L	0.01	0.041
Iron	6010	mg/L	0.05	0.40
Lead	6010	mg/L	0.005	0.021
Magnesium	6010	mg/L	0.1	23.3
Manganese	6010	mg/L	0.005	0.032
Mercury	7470	mg/L	0.0005	ND
Molybdenum	6010	mg/L	0.005	0.012
Nickel	6010	mg/L	0.005	0.0095
Potassium	6010	mg/L	0.4	5.6
Selenium	6010	mg/L	0.01	ND
Silver	6010	mg/L	0.01	ND
Sodium	6010	mg/L	2	76.6
Thallium	6010	mg/L	0.01	ND
Vanadium	6010	mg/L	0.01	0.037
Zinc	6010	mg/L	0.01	0.033

Applied P & Ch Laboratory
13760 Magnolia Ave. Chino CA 91710
Tel: (909) 590-1828 Fax: (909) 590-1498

APCL Analytical Report

II . Analysis of Soil Samples

Component Analyzed	Method	Unit	PQL	Analysis Result ET060101-soil 01-03894-1
Alkalinity	310.1	mg/kg	10	391
Bicarbonate	SM2320B	mg/kg	10	380
Carbonate	SM2320B	mg/kg	10	11
Hydroxide	SM2320B	mg/kg	10	ND
Chloride Cl^-	325.3	mg/kg	5	48
Nitrate (NO_3^-) as N	SM4500NO3D	mg/kg	5	ND
Oil and Grease	413.2	mg/kg	10	341
pH	9045	pH unit	0.01	8.86
Phosphorus, Orthophosphate	365.2	mg/kg	0.2	29.2
Sulfate (SO_4^{--})	375.4	mg/kg	10	36
Surfactants (MBAS)	425.1	mg/kg	0.5	0.9
Metals				
Dilution Factor				4
Antimony	6010	mg/kg	5	<20
Arsenic	6010	mg/kg	0.3	<1.2
Barium	6010	mg/kg	1	76.4
Beryllium	6010	mg/kg	0.2	<0.8
Cadmium	6010	mg/kg	0.2	1.0
Calcium	6010	mg/kg	10	12,500
Chromium	6010	mg/kg	0.5	65.8
Cobalt	6010	mg/kg	0.5	5.2
Copper	6010	mg/kg	0.5	53.2
Iron	6010	mg/kg	3	17,500
Lead	6010	mg/kg	0.3	37.1
Magnesium	6010	mg/kg	10	3,440
Manganese	6010	mg/kg	0.5	517
Dilution Factor				1
Mercury	7471	mg/kg	0.2	ND
Dilution Factor				4
Molybdenum	6010	mg/kg	0.2	2.1
Nickel	6010	mg/kg	0.3	34.6
Potassium	6010	mg/kg	20	865
Selenium	6010	mg/kg	0.5	<2
Silver	6010	mg/kg	0.5	<2
Sodium	6010	mg/kg	100	<400
Thallium	6010	mg/kg	0.5	<2
Vanadium	6010	mg/kg	0.5	38.6
Zinc	6010	mg/kg	0.5	193

PQL: Practical Quantitation Limit. MDL: Method Detection Limit. CRDL: Contract Required Detection Limit
N.D.: Not Detected or less than the practical quantitation limit. "-": Analysis is not required.
J: Reported between PQL and MDL.
Listed Dilution Factors (DF) are relative to the method default DF. All unlisted DFs are 1.0

Respectfully submitted,

Dominic Lau
Laboratory Director
Applied P & Ch Laboratory

5/31/2001

Hour	Action
1945	Al Schwab (Units 3&4 Operator on shift) called Kim Brown (Plant Environmental and Safety Coordinator) with the following information: 10,000 gallons of cooling tower water spilled from Unit 4 flume overflow into Chadwick Channel High level alarms failed, operator on rounds discovered the spill Unit 4 tower on maximum blowdown to lower level Some water still overflowing but nothing they can do but blow down water Cooling tower water contains traces of the following chemicals: Sodium Hypochlorite 12%, Sulfuric Acid, PCL-4025A, PCL-361 Water has run all the way down Chadwick Channel to property line but has not left the property
2000	Kim Brown called K-Vac Environmental (Joyce Ross) Requested vacuum truck to suck all standing water and minimize further spillage Asked her to contact Al Schwab
2005	Kim Brown called Santa Ana Regional Water Quality Control Board's 24-hour line Nobody answered, left message with details of spill
2010	Joyce Ross w/ K-Vac called Kim Brown, they will respond in approximately 20 minutes (by 2030 hrs) with a vacuum truck Joyce called Al Schwab and let him know already
2015	Kim Brown called California Office of Emergency Services Reported spill to Joanne Control Number #01-3155
2020	Kim Brown called San Bernardino County Hazardous Materials Management Department's 24-hour line Reported the spill Report will be relayed to a hazmat officer
2025	Kim Brown called Al Schwab to inform him of the calls/notifications made
2030	K-Vac is on site and vacuuming standing water. No more water is coming out of the tower.
2040	Chuck Griffin w/ Santa Ana Regional Water Quality Control Board called Kim Brown (his number is (909)782-4996) He wants Kim Brown to send a spill report to Mike Adackapara of the Stormwater department He wants Kim Brown to call him tomorrow with an update
2050	Joe Ashbaker w/ San Bernardino County Hazmat Department called Kim Brown (his number is (909) 792-6263) Discussed the spill He said that District Attorney investigator Bill Sellers may be coming out to investigate the incident He said that if the D.A. had any questions regarding the nature of cooling tower water, he could call Joe
2100	Kim Brown called Al Schwab to inform him of the possible D.A. visit
2105	Kim Brown called Danny Ross to inform him of the possible D.A. visit
2110	Kim Brown called Al Schwab to ask him to call if the D.A. shows up
2200	Al Schwab called Kim Brown, D.A. is on site (Bill Sellers and Glenn Yabuno)
2210	Kim Brown called Danny Ross to let him know the D.A. is on site
2230	Danny Ross (Plant Manager) and Kim Brown on site Met with Bill Sellers and Glenn Yabuno from D.A.'s office Got split samples of spilled water Discussed chemicals in water, provided them with MSDSs of those chemicals Looked at spill site

*Water did make it off of property onto SCE property between Etiwanda Gen Sta and 6th Street
D.A. is going to come out again to take pictures tomorrow morning

2340 D.A. off site

2355 Kim Brown off site

6/1/01

1010 Bill Sellers and Glenn Yabuno from D.A.'s office back on site
Met with Kim Brown
Took pictures of Chadwick Channel
Looked offsite at extent of spill leaving the property
Looked at source of spill, from east side of Unit 4 tower
Looked at high-level alarm, Carlos Quisisem from maintenance department is inspecting and calibrating meter to identify problems

1050 D.A. off site

1110 Kim Brown called Chuck Griffin with Santa Ana Regional Water Quality Control Board
Notified him that the spill did leave the site
Chuck recommended that the soil and water be tested for contamination
Kim Brown will test for:

- Total Petroleum Hydrocarbons
- pH
- CAM Metals
- MBAS
- General Minerals

Kim Brown faxed MSDSs of chemicals to Chuck

1500 High level alarm has been repaired, a mercoid coil was broken. Station technicians replaced the coil.

COUNTY FIRE
HAZARDOUS MATERIALS
01 JUN 21 AM 11:46

9996 ETI Wanda

Southern California Edison Company

P. O. BOX 800

2244 WALNUT GROVE AVENUE

ROSEMEAD, CALIFORNIA 91770

July 20, 1995

ENVIRONMENTAL
HEALTH SERVICES
95 JUL 24 PM 2:21

Mr. Wayne Williams
San Bernardino County Environmental Health Services
385 North Arrowhead Avenue
San Bernardino, CA 92415

As reported to you on July 14, 1995, there was a release of non-PCB mineral oil at the Southern California Edison Etiwanda Generating Facility. This release occurred when operators overfilled a 5000 gallon tank and the excess oil spilled on an area of asphalt and flowed onto a dirt area. This incident occurred at approximately 3:30 p.m. The total dirt area which was contaminated was 12 feet by 20 feet. The original estimate for the release of 30 gallons appears to have been too small and a more accurate estimate would be 45 gallons.

The Edison response was to contain the spilled oil through the use of absorbent materials and to excavate the contaminated soil and place it into a dumpster along with the used absorbent materials. Containment activities commenced at 4:30 and were concluded at 10:30 p.m. Approximately 90% of the area required digging and removal to a depth of 3 inches and about 10% of the area required excavation to a depth of 6 inches before clean soil was reached.

We are certain we were able to contain the spill and to remove all contaminated soil. All contaminated soil will be sent for reclamation for use in asphalt and will be treated as non hazardous waste. If you have additional questions or wish to review the site, please contact me at 818-302-9545.

Thomas Gross

Thomas Gross

Environmental Specialist

County of San Bernardino

DEPARTMENT OF ENV[illegible]MENTAL HEALTH SERVICES • HAZARDOUS MA[illegible]ALS FIELD SERVICES

385 North Arrowhead Avenue, San Bernardino, CA 92415-0160 • (909) 387-3080

HAZARDOUS WASTE GENERATOR AND HAZARDOUS MATERIAL HANDLER INSPECTION REPORT

Facility Name: SCE Steam Generation Plant Date: 3/24/95

Street Address: 9996 Etiwanda Avenue Establishment No.: 8600048791

City: Rancho Cucamonga Zip Code: 91739 EPA No.: CAD074548674

Business Contact: Paul LaCroix, Richard Darnell Business Phone No.: (909) 899-7253 Number of Employees: 90

Refer to Title 19/22 of the California Code of Regulations (CCR), Chapters 6.5 and 6.95 of the Health and Safety Code (HSC). The following Code sections are either in Violation (V) of or in Compliance (C) with the Hazardous Waste or Hazardous Materials laws and regulations, or compliance is Not Applicable, Not Addressed or Unknown (N).

GENERAL REQUIREMENTS		V	C	N
1. No Haz Waste Generator Permit	CHSC 25154		✓	
2. Authority to inspect/sample/photograph	CHSC 25185		✓	
3. Haz Waste Determination not made (T5)	CCR 66262.11		✓	
4. No Haz Waste EPA Number (T6)	CCR66262.12(a)		✓	
5. Haz Waste treated w/o DTSC Permit (T1)	CCR 66270.1		✓	
LABELING AND STORAGE				
6. Haz Waste stored more than 90 days (T1)	CCR 66262.34(a)		✓	
7. Start Date not on labels (T25)	CCR 66262.34(f) (2)		✓	
8. Haz Waste containers mislabeled (T28)	CCR 66262.34(f) (3)		✓	
9. No labels on Haz Waste containers (T27)	CCR 66262.34(f) (3)		✓	
MANAGEMENT OF CONTAINERS				
10. Haz Waste containers not sound (T65)	CCR 66265.17[illegible]		✓	
11. Haz Waste in incompatible container (T66)	CCR 66265.172		✓	
12. Haz Waste containers not closed (T67)	CCR 66265.173(a)		✓	
13. Haz Waste containers leaking (T68)	CCR 66265.173(b)		✓	
14. Storage Area not inspected weekly (T69)	CCR 66265.174		✓	
15. Incompatible Haz Waste storage (T73)	CCR 66265.177(c)		✓	
16. Mismanagement of Hazardous Waste	CHSC 25154		✓	
17. Mismanagement of Waste Batteries (T92)	CCR 66266.81		✓	
MANAGEMENT OF WASTE OIL				
18. Unlawful management of Waste Oil	CHSC 25250.4		✓	
19. Waste Oil contaminated w/ Haz Waste (T2)	CHSC 25250.7		✓	
20. Receipt for Waste Oil Incomplete	CHSC 25250.8(b) (4)		✓	
21. Waste Oil Filters improperly managed	CCR 66266.130		✓	
HAZARDOUS WASTE MANIFESTS				
22. Haz Waste transported w/o Manifest (T9)	CCR 66262.20(a)		✓	
23. Haz Waste Manifest incomplete (T13)	CCR 66262.23(a)		✓	
24. No Manifest sent to DTSC (T16)	CCR 66262.23(a) (4)		✓	
RECORDS				
25. No Receipts for Waste Oil	CHSC 25250.8(b)		✓	
26. Failure to retain Manifest 3 yrs (T29)	CCR 66262.40(a)		✓	
27. Biennial Report not kept 3 yrs (T30)	CCR 66262.40(b)		✓	
28. Failure to retain Analysis 3 yrs (T31)	CCR 66262.40(c)		✓	
29. No Biennial Report filed w/ DTSC (T32)	CCR 66262.41(a)		✓	
30. Training Records unavailable (T78)	CCR 66265.16		✓	
DISPOSAL AND TRANSPORTATION				
31. Illegal disposal/abandonment of Haz Waste	CHSC 25189.5(a)		✓	
32. Illegal disposal Waste Oil to Ground	CHSC 25250.5(a)		✓	
33. Illegal transportation of Haz Waste	CHSC 25163		✓	
34. Haz Waste transporter Unregistered	CCR 66263.17		✓	
BUSINESS PLANS AND CONTINGENCY DOCUMENTS				
40. Failure to obtain Haz Mat Handlers Permit	CHSC 25513		✓	
41. Failure to establish a Business Plan (T79)	CHSC 25503.5		✓	
42. Failure to submit/update a Bus. Plan (T61)	CHSC 25505		✓	
43. Failure to report a release of Haz Mats	CHSC 25507		✓	
44. Authority to inspect facility for Haz Mats	CHSC 25508		✓	
45. Acutely Haz Mats Registration not filed	CHSC 25533(a)		✓	

CORRECTIONS/NARRATIVES

On 3/24/95, an inspection of this facility was conducted in order to verify generator compliance.

Kathleen Alvarez + I were escorted through the facility and provided all required paperwork by the following:

(1) Paul LaCroix - Environmental Specialist for the facility.

(2) Richard Darnell - Operations Supervisor for the facility.

(3) Greg Hofeng - Engineer from the Rosemead office.

(4) Tom Gross - Environmental Specialist from the Rosemead Office.

Photos were taken.

Five generating units exist on site:

(a) units 1+2 are open-air units which generate 132 megawatts apiece.

(b) units 3+4 are also open-air + generate 320 megawatts apiece.

(c) Unit 5 is the "peaker" unit used during overloads + emergencies. It generates 81 megawatts.

☐ Inspection _____ ☐ NOV Issued _____ ☐ Tiered Permit _____

☐ Reinspection _____ ☐ C.D. Date _____ Total Time 1.5 hrs

☐ Complaint _____ ☐ Tox.Tic. No. _____ Rev. _____ Ent. _____

Inspector Susan Williams Received by Certified mail

A:\HWTABLE.PM4
May 1993

15-19274-631

County of San Bernardino

DEPARTMENT OF ENVI MENTAL HEALTH SERVICES • HAZARDOUS MA ALS FIELD SERVICES

385 North Arrowhead Avenue, San Bernardino, CA 92415-0160 • (909) 387-3080

HAZARDOUS WASTE GENERATOR AND HAZARDOUS MATERIAL HANDLER INSPECTION REPORT

Facility Name: SCE Steam Generation Plant Date: 3/24/95

Street Address: 8996 Edwards Avenue Establishment No.: 8600 4879

City: Rancho Cucamonga Zip Code: 91739 EPA No.: CAD079548674

Business Contact: Paul LaCroix, Richard Darnell Business Phone No.: (909) 899-7353 Number of Employees: 90

Refer to Title 19/22 of the California Code of Regulations (CCR), Chapters 6.5 and 6.95 of the Health and Safety Code (HSC). The following Code sections are either in Violation (V) of or in Compliance (C) with the Hazardous Waste or Hazardous Materials laws and regulations, or compliance is Not Applicable, Not Addressed or Unknown (N).

GENERAL REQUIREMENTS		V	C	N
1. No Haz Waste Generator Permit	CHSC 25154		✓	
2. Authority to inspect/sample/photograph	CHSC 25185		✓	
3. Haz Waste Determination not made (T5)	CCR 66262.11		✓	
4. No Haz Waste EPA Number (T6)	CCR66262.12(a)		✓	
5. Haz Waste treated w/o DTSC Permit (T1)	CCR 66270.1		✓	
LABELING AND STORAGE				
6. Haz Waste stored more than 90 days (T1)	CCR 66262.34(a)		✓	
7. Start Date not on labels (T25)	CCR 66262.34(f) (2)		✓	
8. Haz Waste containers mislabeled (T28)	CCR 66262.34(f) (3)		✓	
9. No labels on Haz Waste containers (T27)	CCR 66262.34(f) (3)		✓	
MANAGEMENT OF CONTAINERS				
10. Haz Waste containers not sound (T65)	CCR 66265.17		✓	
11. Haz Waste in incompatible container (T66)	CCR 66265.172		✓	
12. Haz Waste containers not closed (T67)	CCR 66265.173(a)		✓	
13. Haz Waste containers leaking (T68)	CCR 66265.173(b)		✓	
14. Storage Area not inspected weekly (T69)	CCR 66265.174		✓	
15. Incompatible Haz Waste storage (T73)	CCR 66265.177(c)		✓	
16. Mismanagement of Hazardous Waste	CHSC 25154		✓	
17. Mismanagement of Waste Batteries (T92)	CCR 66266.81		✓	
MANAGEMENT OF WASTE OIL				
18. Unlawful management of Waste Oil	CHSC 25250.4		✓	
19. Waste Oil contaminated w/ Haz Waste (T2)	CHSC 25250.7		✓	
20. Receipt for Waste Oil incomplete	CHSC 25250.8(b) (4)		✓	
21. Waste Oil Filters improperly managed	CCR 66266.130		✓	
HAZARDOUS WASTE MANIFESTS				
22. Haz Waste transported w/o Manifest (T9)	CCR 66262.20(a)		✓	
23. Haz Waste Manifest incomplete (T13)	CCR 66262.23(a)		✓	
24. No Manifest sent to DTSC (T16)	CCR 66262.23(a) (4)		✓	
RECORDS				
25. No Receipts for Waste Oil	CHSC 25250.8(b)		✓	
26. Failure to retain Manifest 3 yrs (T29)	CCR 66262.40(a)		✓	
27. Biennial Report not kept 3 yrs (T30)	CCR 66262.40(b)		✓	
28. Failure to retain Analysis 3 yrs (T31)	CCR 66262.40(c)		✓	
29. No Biennial Report filed w/ DTSC (T32)	CCR 66262.41(a)		✓	
30. Training Records unavailable (T78)	CCR 66265.16		✓	
DISPOSAL AND TRANSPORTATION				
31. Illegal disposal/abandonment of Haz Waste	CHSC 25189.5(a)		✓	
32. Illegal disposal Waste Oil to Ground	CHSC 25250.5(a)		✓	
33. Illegal transportation of Haz Waste	CHSC 25163		✓	
34. Haz Waste transporter Unregistered	CCR 66263.17		✓	
BUSINESS PLANS AND CONTINGENCY DOCUMENTS				
40. Failure to obtain Haz Mat Handlers Permit	CHSC 25513		✓	
41. Failure to establish a Business Plan (T79)	CHSC 25503.5		✓	
42. Failure to submit/update a Bus. Plan (T61)	CHSC 25505		✓	
43. Failure to report a release of Haz Mats	CHSC 25507		✓	
44. Authority to inspect facility for Haz Mats	CHSC 25508		✓	
45. Acutely Haz Mats Registration not filed	CHSC 25533(a)		✓	

CORRECTIONS/NARRATIVES

On 3/24/95, an inspection of this facility was conducted in order to verify generator compliance.

Kathleen Alvarez + I were escorted through the facility and provided all required paperwork by the following:

(1) Paul LaCroix - Environmental Specialist for the facility.

(2) Richard Darnell - Operations supervisor for the facility.

(3) Greg Hoteling - Engineer from the Rosemead office.

(4) Tom Gross - Environmental Specialist from the Rosemead office.

Photos were taken.

Five generating units exist on site:

(a) units 1+2 are open-air units which generate 137 megawatts apiece.

(b) units 3+4 are also open-air + generate 320 megawatts apiece.

c.) Unit 5 is the "peaker" unit used during overloads + emergencies. It generates 84 megawatts.

☐ Inspection _____ ☐ NOV Issued _____ ☐ Tiered Permit _____

☐ Reinspection _____ ☐ C.D. Date _____ Total Time 1.5 hrs

☐ Complaint _____ ☐ Tox.Tic. No. _____ Rev. _____ Ent. _____

Inspector Susan Williams Received by Certified mail

A:\HWTABLE.PM4
May 1993

15-19274-631

County o n Bernardino — Environmental Manag it Group
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS FIELD SERVICES PROGRAM

SUPPLEMENTAL INSPECTION REPORT

DATE: 3-24-95

INSPECTOR: S. Williams

FACILITY NAME: SCE Steam Generation Plant

FACILITY LOCATION: 6996 Etiwanda Avenue, Rancho Cucamonga, Calif. 91739

The units are monitored in control rooms by operators who can manually control the amount of heat (boiler fire) & water to the generating units.

For emergencies and overdemand, the "peaking" unit, Unit 5 is used. Unit 5 is capable of generating 120 megawatts in 4 minutes. The power source is 8 jet engines which create wind. The wind exhausts in to the turbine.

The maintenance shop includes welding and machining areas. Cylinders of gas, a parts washer, drill, lathes, & a grinder were observed.

There are several ponds (surface impoundments) on site. "Lake Etiwanda" provides the water for the steam & is filled by pumping the aquifer or from the Water Dept. The "lake" is monitored by Edison Divers.

The other surface impoundments are dry. The two on the southeast end of the property were used as part of the boiler treatment clean-out process. The other ~~####~~, located in the middle of the property was used for reverse osmosis treatment of incoming H2O. Both are currently under the clean-up jurisdiction of DTSC; "discharge without a storage permit or grant of authorization" was cited & is being corrected.

Certified mail

Received By

15-17189-631 Rev. 6/91

County of San Bernardino — Environmental Management Group

DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS FIELD SERVICES PROGRAM

SUPPLEMENTAL INSPECTION REPORT

DATE: 4-11-95

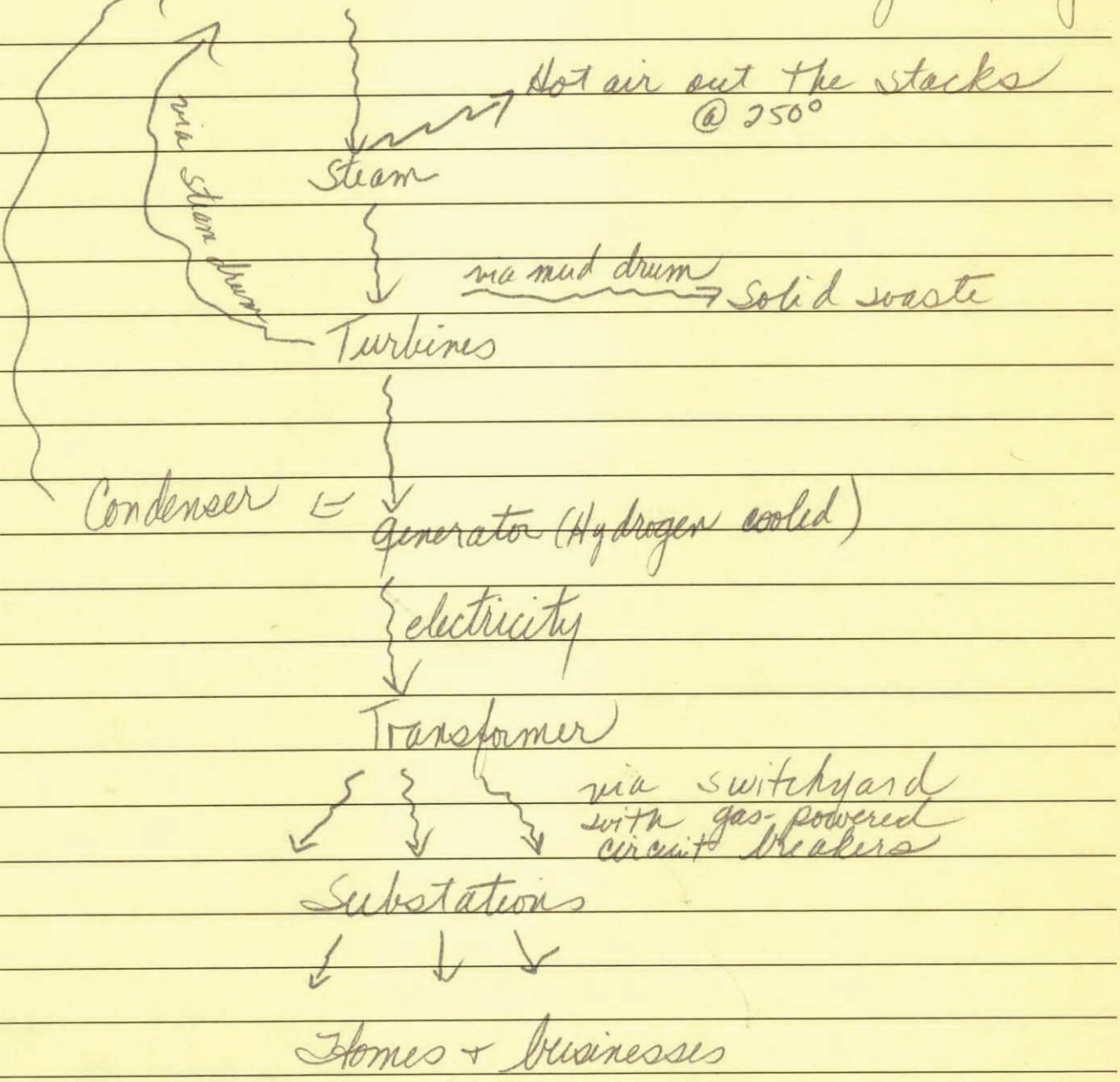
INSPECTOR: S Williams

FACILITY NAME: SCE Steam Generation Plant

FACILITY LOCATION: 8996 Etiwanda Avenue Rancho Cucamonga,

Basic process of 1,2,3,4 units

Boiler: H_2O heated to 1050° (7 million gallons/day)



Certified mail —

Received By

15-17189-631 Rev. 6/91

County of San Bernardino — Environmental Management Group
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS FIELD SERVICES PROGRAM

SUPPLEMENTAL INSPECTION REPORT

DATE: 4-11-95

INSPECTOR: S. Williams

FACILITY NAME: ICE Steam Generation Plant

FACILITY LOCATION: 8996 Etiwanda Avenue, Rancho Cucamonga

Industrial runoff goes from the yard to the industrial waste lined to China Basin.

Water from the cooling towers becomes more caustic due to evaporation. Addition of sulfuric acid is required to pull the pH back up. The pH is never in the "hazardous" range.

Waste streams include the following:

1) Waste oil / debris ⇒ Chemical Waste Management
2) Mercury Switches ⇒ Rollins Oil Process
3) Asbestos ⇒ BKK (from cooling tower dismantling)
4) Solid waste from the cooling tower.
5) Solvent ⇒ from machine shop parts washer; recycled
6) Drums & aerosol cans ⇒ crushed
7) Industrial clarifiers ⇒ pumped 4x/yr.
8) PCB's – not normally generated; occassionally show up on old, failed equipment.
9) Waste paint & sludge from maintenance
10) Boiler sweep &/or grit – metal is reclaimed –

Certified mail –

15-17189-631 Rev. 6/91

Received By

County of San Bernardino — Environmental Management Group

DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS FIELD SERVICES PROGRAM

SUPPLEMENTAL INSPECTION REPORT

DATE: 4-11-95

INSPECTOR: S Williams

FACILITY NAME: SCE Steam generation Plant

FACILITY LOCATION: 8996 Etiwanda Avenue Rancho Cucamonga, Calif. 91739

Material + waste storage:

(1.) Satellite collection stations were observed throughout the facility for waste oil with proper labeling + secondary containment. (Photo)

(2.) Waste storage area is fenced + drums are properly labeled + secondarily contained. Area is inspected daily. This area is to be relocated —

(3.) Large containers of sulfuric acid + caustic soda are secondarily contained (photo) + labeled + placarded.

(4.) Above ground storage area (tank yard) for jet fuel + fuel oil (25,000 barrels of jet fuel) (Fuel oil - 50 million gallons for 1 month of fuel load piped operation) is completely bermed + inspected daily; 1.7 million gallons is stored on site

(5.) The pipeline (providing ~~fuel~~ fuel oil from Cypress) is monitored daily on all 3 shifts.

(6.) Large quantity storage is located mostly in tanks + containers used specific use, or in the chemical storage area of the wet lab building.

(7.) Cylinders are located throughout the site, specific to use (ie: shop).

Certified mail
Received By

County of San Bernardino — Environmental Management Group

DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS FIELD SERVICES PROGRAM

SUPPLEMENTAL INSPECTION REPORT

DATE: 4-11-95

INSPECTOR: S Williams

FACILITY NAME: SCE Steam Generating Plant

FACILITY LOCATION: 8996 Etiwanda Avenue, Rancho Cucamonga, Calif. 91739

Paperwork Audit:

(1.) A comprehensive update of the business plan was provided to DEHS on March 22, 1995 in triplicate, and a copy was also located on site.

(2.) Training records include employee training in:

(A.) Hazardous Awareness: 3 levels based on need - operations -> watch engineers -> commander level.

(B.) DOT training - class + testing for HM 126

(C.) Substance abuse

(D.) Confined spaces

(E.) Hazardous communication.

(3.) The SB 14 / Waste Minimization Plan included certification of waste reduction. Additionally, there is a waste minimization newsletter, policy directives which are part of an ongoing effort to improve.

(4.) Manifests and receipts for more than 3 yrs were ~~requested~~ on site with 1994 received. The State DTSC was on site in 1993 + received records prior to that time.

(5.) The biennial reports were provided for review.

(6.) The acutely hazardous materials notification was submitted to DEHS in 1988, and the

Certified mail —

Received By

15-17189-631 Rev. 6/91

County of Bernardino — Environmental Management Group

DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS FIELD SERVICES PROGRAM

SUPPLEMENTAL INSPECTION REPORT

DATE: 4-11-95

INSPECTOR: S. Williams

FACILITY NAME: SCE Steam Generation Plant

FACILITY LOCATION: 8996 Etiwanda Avenue, Rancho Cucamonga, Calif. 91739

RMPP review by DEHS was completed in 1990.

(8.) Tiered permit notification has been made for the can/drum crusher located on site. ask metal → scrap metal.

Inspection of this site requires a hard hat, closed-toe shoes, and long sleeves if the switchyard is to be inspected.

The entire site was immaculate.

Records of all required types were readily available and well organized.

No violations were observed.

Certified mail —

Received By

15-17189-631 Rev. 6/91

PHOTO NARRATIVE

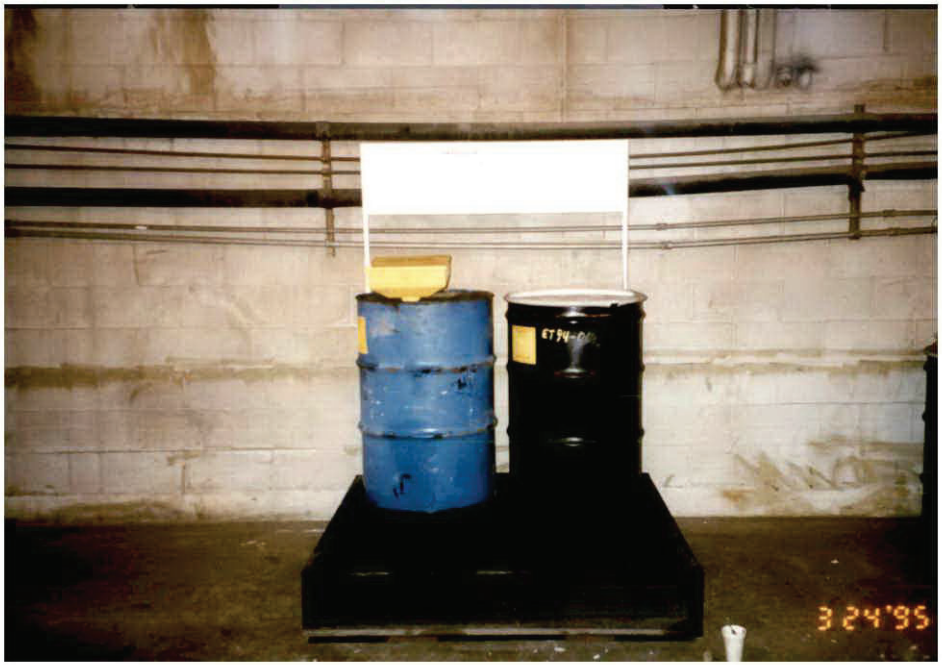


Date Taken: 3-24-95 By: Kathleen Alvarez

REMARKS: Reverse osmosis unit - treats water prior to use.

Facility/Case Name: SCE Steam Generation Plant

Situs/Address: 8996 Etiwanda / Etiwanda, Calif.


3'24'95

SEATTLE FILMWORKS

PRINT 25 ROLL 28262985 04APR95


3'24'95

SEATTLE FILMWORKS

PRINT 26 ROLL 23262935 04APR95


ACID
DANGER
CAUSTIC
CAUTION
ACID
CAUTION
CAUSTIC

SEATTLE FILMWORKS

PRINT 18 ROLL 28262985 04APR95


LINDE
LINDE
3'24'95

SEATTLE FILMWORKS

PRINT 16 ROLL 28262365 04APR95



SEATTLE FILMWORKS

PRINT 20 ROLL 28262985 04APR85

PHOTO NARRATIVE



Date Taken: 3/24/95 By: Kathleen Alvarez

REMARKS: Storage

#1 - Satellite accumulation area with secondary containment.

#2 #3 - Acid & caustic storage with labeling & secondary containment.

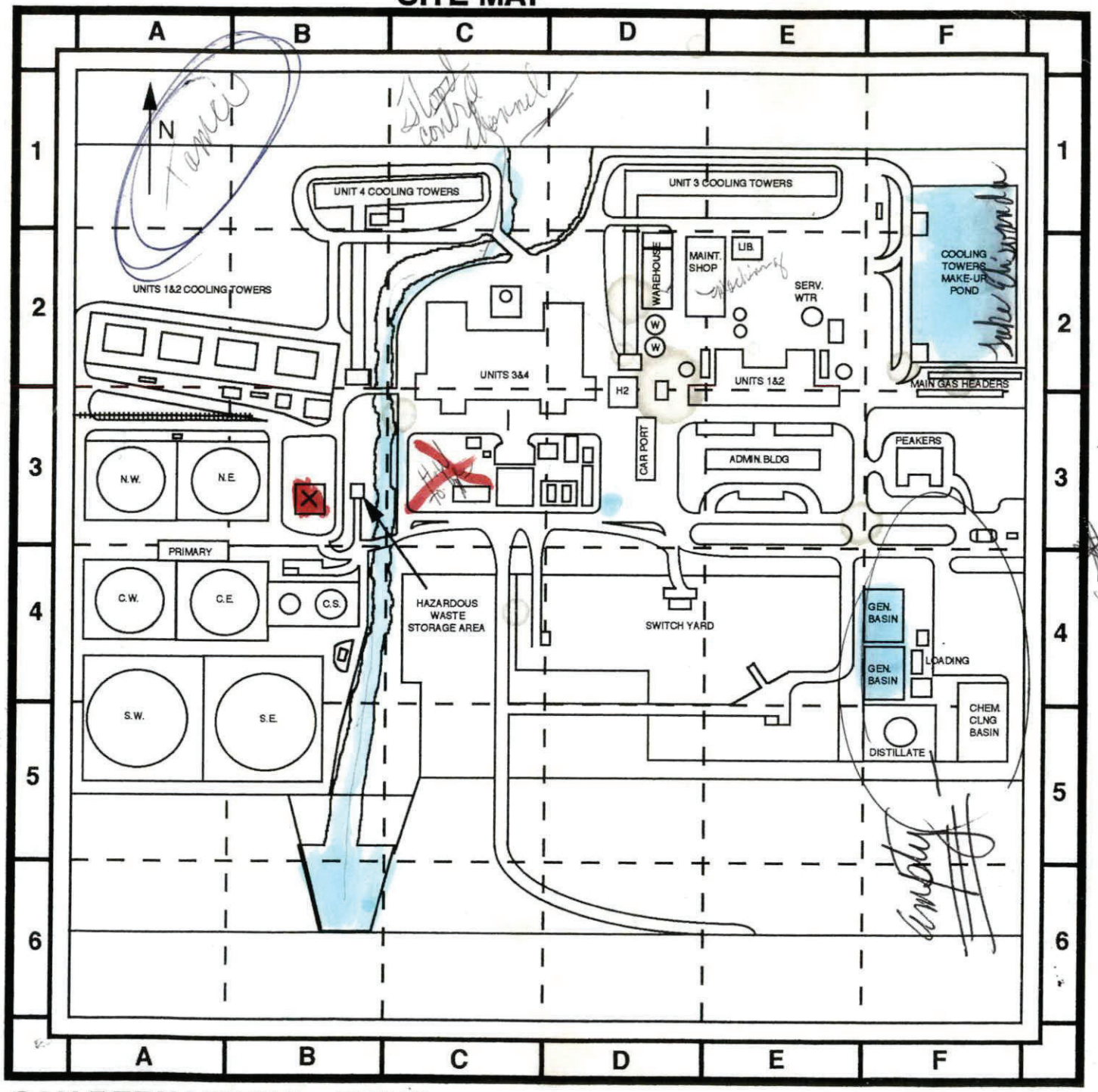
#4 - Hydrogen gas -

#5 - Haz waste Storage Area #6 - Pipeline for fuel & above ground fuel Storage

Facility/Case Name: SCE Etiwanda Generation Plant

Situs/Address: 8996 Etiwanda; Etiwanda, Calif.

SITE MAP



SAN BERNARDINO DEHS

DATE PREPARED: 3/21/

SAN BERNARDINO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS WASTE INVENTORY FORM

Non-Trade Secret Page

FACILITY NAME: *ETIWANDA GENERATING STATION* ITEM # *01*

Type of Waste: *Waste paint / paint sludge from maintenance operations*		Waste Classification: *461* (3 digit code)
Physical Hazard: FIRE: *XXX*	PRESSURE:	REACTIVE:
Health Hazard : IMMEDIATE HEALTH:		DELAYED HEALTH: *XXX*
Physical State: FORM: Solid:	Liquid: *XXX*	Gas: Dust:
Amount and Time at facility: # Days / year on-site: *365*		Unit of Measure
Maximum Daily Amount: *20 gallons*		gals: *XX*
Average Daily Amount: *1 gallon*		
Annual Amount Generated: *55 gallons*		lbs:
Container Type: *55 gal steel drums*		
Storage Pressure: *Ambient*	Storage Temperature: *Ambient*	cu ft:
Storage Location(s): *3 - B*		

(Provide grid coordinate from completed facility map.)

Percent Concentration & Components

	%	
	%	
	%	
	%	
	%	
	%	

NOTES: (Trade name(s) / synonym(s) or other information relevant to material listed.)

MAKE COPIES OF THIS FORM AS NEEDED

DATE PREPARED:3/21/95

WASTE

SAN BERNARDINO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS WASTE INVENTORY FORM

Non-Trade Secret Page

FACILITY NAME: *ETIWANDA GENERATING STATION* ITEM # *02*

Type of Waste: *Oil with Halogenated Solvent* Waste Classification: *741* (3 digit code)

Physical Hazard: FIRE: *XXX* PRESSURE: _____ REACTIVE: _____

Health Hazard : IMMEDIATE HEALTH: _____ DELAYED HEALTH: *XXX*

Physical State: FORM: Solid: ____ Liquid: *XXX* Gas: ____ Dust: ____

Amount and Time at facility:
Days / year on-site: *365*
Maximum Daily Amount: *55 gallons*
Average Daily Amount: *5 gallon*
Annual Amount Generated *100 gallons*
Container Type: *55 gal steel drums*
Storage Pressure: *Ambient* Storage Temperature: *Ambient*

Unit of Measure
gals: XX
lbs: ☐
cu ft: ☐

Storage Location(s): *3 - B*
(Provide grid coordinate from completed facility map.)

Percent Concentration & Components

95	%	*Oil*
5	%	*Halogenated Solvent*
	%	
	%	
	%	
	%	

NOTES: (Trade name(s) / synonym(s) or other information relevant to material listed.)

WASTE

MAKE COPIES OF THIS FORM AS NEEDED

SAN BERNARDINO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS WASTE INVENTORY FORM

Non-Trade Secret Page

FACILITY NAME: *ETIWANDA GENERATING STATION* ITEM # *03*

Type of Waste: *Oil Debris, Soil* Waste Classification: *223 / 611* (3 digit code)

Physical Hazard: FIRE: *XXX* PRESSURE: ____ REACTIVE: ____

Health Hazard : IMMEDIATE HEALTH: ____ DELAYED HEALTH: *XXX*

Physical State: FORM: Solid: *XXX* Liquid: ____ Gas: ____ Dust: ____

Amount and Time at facility:
Days / year on-site: *365*
Maximum Daily Amount: *300 pounds*
Average Daily Amount: *100 pounds*
Annual Amount Generated *4800 pounds*
Container Type: *55 gal steel drums*
Storage Pressure: *Ambient* Storage Temperature: *Ambient*

Unit of Measure
gals: ☐
lbs: ☒ XX
cu ft: ☐

Storage Location(s): *3 - B*
(Provide grid coordinate from completed facility map.)

Percent Concentration & Components

95	%	*Debris*
5	%	*Oil*
____	%	____
____	%	____
____	%	____
____	%	____

NOTES: (Trade name(s) / synonym(s) or other information relevant to material listed.)

WASTE

MAKE COPIES OF THIS FORM AS NEEDED

SAN BERNARDINO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS WASTE INVENTORY FORM

Non-Trade Secret Page

FACILITY NAME: *ETIWANDA GENERATING STATION* ITEM # *04*

Type of Waste: *Mercury Contaminated Debris* Waste Classification: *181* (3 digit code)

Physical Hazard: FIRE: ____ PRESSURE: ____ REACTIVE: ____

Health Hazard : IMMEDIATE HEALTH: ____ DELAYED HEALTH: *XXX*

Physical State: FORM: Solid: *XXX* Liquid: ____ Gas: ____ Dust: ____

Amount and Time at facility:
Days / year on-site: *365*
Maximum Daily Amount: *50 pounds*
Average Daily Amount: *10 pounds*
Annual Amount Generated: *100 pounds*
Container Type: *55 gallon steel drum*
Storage Pressure: *Ambient* Storage Temperature: *Ambient*

Unit of Measure
gals: ☐
lbs: *XX*
cu ft: ☐

Storage Location(s): *2 - D*
(Provide grid coordinate from completed facility map.)

Percent Concentration & Components

1	%	*Mercury*
99	%	*Debris, spill cleanup materials*
	%	
	%	
	%	
	%	

NOTES: (Trade name(s) / synonym(s) or other information relevant to material listed.)

WASTE

MAKE COPIES OF THIS FORM AS NEEDED

SAN BERNARDINO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS WASTE INVENTORY FORM

Non-Trade Secret Page

FACILITY NAME: *ETIWANDA GENERATING STATION* ITEM # *05*

Type of Waste: *Elemental Mercury* Waste Classification: *141* (3 digit code)

Physical Hazard: FIRE: _____ PRESSURE: _____ REACTIVE: _____

Health Hazard : IMMEDIATE HEALTH: _____ DELAYED HEALTH: *XXX*

Physical State: FORAM: Solid: _____ Liquid: *XXX* Gas: _____ Dust: _____

Amount and Time at facility:

Days / year on-site: *365*
Maximum Daily Amount: *50 pounds*
Average Daily Amount: *<1 pound*
Annual Amount Generated: *50 pounds*
Container Type: *steel flask*
Storage Pressure: *Ambient* Storage Temperature: *Ambient*

Unit of Measure
gals: ☐
lbs: *XX*
cu ft: ☐

Storage Location(s): *3 - E*
(Provide grid coordinate from completed facility map.)

Percent Concentration & Components

90	%	*Mercury*
5	%	*Water*
5	%	*Debris*
	%	
	%	
	%	

NOTES: (Trade name(s) / synonym(s) or other information relevant to material listed.)

WASTE

MAKE COPIES OF THIS FORM AS NEEDED

SAN BERNARDINO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS WASTE INVENTORY FORM

Non-Trade Secret Page

FACILITY NAME: *ETIWANDA GENERATING STATION* ITEM # *06*

Type of Waste: *Boiler Duct Sweep or Blasting Grit* Waste Classification: *181* (3 digit code)

Physical Hazard: FIRE: _____ PRESSURE: _____ REACTIVE: _____

Health Hazard : IMMEDIATE HEALTH: _____ DELAYED HEALTH: *XXX*

Physical State: FORAM: Solid: *XXX* Liquid: _____ Gas: _____ Dust: *XXX*

Amount and Time at facility:
Days / year on-site: *365*
Maximum Daily Amount: *1500 pounds*
Average Daily Amount: *300 pounds*
Annual Amount Generated: *4000 pounds*
Container Type: *55 gal steel drums*
Storage Pressure: *Ambient* Storage Temperature: *Ambient*

Unit of Measure
gals: ☐
lbs: *XX*
cu ft: ☐

Storage Location(s): *3 - B*
(Provide grid coordinate from completed facility map.)

Percent Concentration & Components

100	%	*Metal Containing Boiler Duct Sweep or Blasting Grit*
_____	%	_____
_____	%	_____
_____	%	_____
_____	%	_____
_____	%	_____

NOTES: (Trade name(s) / synonym(s) or other information relevant to material listed.)

WASTE

MAKE COPIES OF THIS FORM AS NEEDED

SAN BERNARDINO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS WASTE INVENTORY FORM

Non-Trade Secret Page

FACILITY NAME: *ETIWANDA GENERATING STATION* ITEM # *07*

Type of Waste: *Paint / Debris and Chips* Waste Classification: *352* (3 digit code)

Physical Hazard: FIRE: *XXX* PRESSURE: _____ REACTIVE: _____

Health Hazard : IMMEDIATE HEALTH: _____ DELAYED HEALTH: *XXX*

Physical State: FORAM: Solid: *XXX* Liquid: _____ Gas: _____ Dust: _____

Amount and Time at facility:		Unit of Measure
	# Days / year on-site: *365*	
	Maximum Daily Amount: *300 pounds*	gals: ☐
	Average Daily Amount: *100 pounds*	
	Annual Amount Generated: *500 pounds*	lbs: ☒ XX
	Container Type: *55 gal steel drums*	
	Storage Pressure: *Ambient* Storage Temperature: *Ambient*	cu ft: ☐

Storage Location(s): *3 - B*
(Provide grid coordinate from completed facility map.)

Percent Concentration & Components

25	%	*Paint solids*
75	%	*Debris*
	%	
	%	
	%	
	%	

NOTES: (Trade name(s) / synonym(s) or other information relevant to material listed.)

MAKE COPIES OF THIS FORM AS NEEDED

WASTE

SAN BERNARDINO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS WASTE INVENTORY FORM

Non-Trade Secret Page

FACILITY NAME: *ETIWANDA GENERATING STATION* ITEM # *08*

Type of Waste: *Cooling Tower Wood* Waste Classification: *352* (3 digit code)

Physical Hazard: FIRE: *XXX* PRESSURE: ____ REACTIVE: ____

Health Hazard : IMMEDIATE HEALTH: ____ DELAYED HEALTH: *XXX*

Physical State: FORM: Solid: *XXX* Liquid: ____ Gas: ____ Dust: ____

Amount and Time at facility:	# Days / year on-site: *365* Maximum Daily Amount: *12,000 pounds* Average Daily Amount: *8,000 pounds* Annual Amount Generated: *120,000 pounds* Container Type: *roll-off bins* Storage Pressure: *Ambient* Storage Temperature: *Ambient*	Unit of Measure gals: ☐ lbs: XX cu ft: ☐

Storage Location(s): *2 - A , B* *1 - B , C* *1 - D , E* ____ ____

(Provide grid coordinate from completed facility map.)

Percent Concentration & Components

100	%	*Cooling Tower Wood containing chromium/arsenic*
____	%	____
____	%	____
____	%	____
____	%	____
____	%	____

NOTES: (Trade name(s) / synonym(s) or other information relevant to material listed.)

WASTE

MAKE COPIES OF THIS FORM AS NEEDED

SAN BERNARDINO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS WASTE INVENTORY FORM

Non-Trade Secret Page

FACILITY NAME: *ETIWANDA GENERATING STATION* ITEM # *09*

Type of Waste: *Cooling Tower Sludge* Waste Classification: *491* (3 digit code)

Physical Hazard: FIRE: _____ PRESSURE: _____ REACTIVE: _____

Health Hazard : IMMEDIATE HEALTH: _____ DELAYED HEALTH: *XXX*

Physical State: FORM: Solid: *XXX* Liquid: *XXX* Gas: _____ Dust: _____

Amount and Time at facility:
Days / year on-site: *365*
Maximum Daily Amount: *30,000 pounds*
Average Daily Amount: *10,000 pounds*
Annual Amount Generated: *500,000 pounds*
Container Type: *roll-off bins*
Storage Pressure: *Ambient* Storage Temperature: *Ambient*

Unit of Measure
gals: ☐
lbs: XX
cu ft: ☐

Storage Location(s): *2 - A , B* *1 - B , C* *1 - D , E*
(Provide grid coordinate from completed facility map.)

Percent Concentration & Components

100	%	*Cooling Tower Sludge containing chromium/arsenic residuals*
_____	%	_____
_____	%	_____
_____	%	_____
_____	%	_____
_____	%	_____

NOTES: (Trade name(s) / synonym(s) or other information relevant to material listed.)

WASTE

MAKE COPIES OF THIS FORM AS NEEDED

SAN BERNARDINO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS WASTE INVENTORY FORM

Non-Trade Secret Page

FACILITY NAME: *ETIWANDA GENERATING STATION* ITEM # *10*

Type of Waste: *Clarifier Sludge*		Waste Classification: *491* (3 digit code)
Physical Hazard: FIRE:	PRESSURE:	REACTIVE:
Health Hazard : IMMEDIATE HEALTH:		DELAYED HEALTH: *XXX*
Physical State: FORM: Solid: *XXX*	Liquid: *XXX*	Gas: Dust:
Amount and Time at facility: # Days / year on-site: *365*		Unit of Measure
Maximum Daily Amount: *500 pounds*		gals:
Average Daily Amount: *0 pounds*		
Annual Amount Generated: *500 pounds*		lbs: *XX*
Container Type: *vacuum truck*		
Storage Pressure: *Ambient*	Storage Temperature: *Ambient*	cu ft:
Storage Location(s): *N / A*		

(Provide grid coordinate from completed facility map.)

Percent Concentration & Components

50	%	*Sludge containing oil*
50	%	*Water*
	%	
	%	
	%	
	%	

NOTES: (Trade name(s) / synonym(s) or other information relevant to material listed.)

WASTE

MAKE COPIES OF THIS FORM AS NEEDED

SAN BERNARDINO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS WASTE INVENTORY FORM

Non-Trade Secret Page

FACILITY NAME: *ETIWANDA GENERATING STATION* ITEM # *11*

Type of Waste: *Fuel Oil or Grease* Waste Classification: *213* (3 digit code)

Physical Hazard: FIRE: *XXX* PRESSURE: _____ REACTIVE: _____

Health Hazard : IMMEDIATE HEALTH: _____ DELAYED HEALTH: *XXX*

Physical State: FORM: Solid: *XXX* Liquid: ____ Gas: ____ Dust: ____

Amount and Time at facility:
- # Days / year on-site: *365*
- Maximum Daily Amount: *10 gallons*
- Average Daily Amount: *0 gallon*
- Annual Amount Generated *5 gallons*
- Container Type: *55 gal steel drums*
- Storage Pressure: *Ambient* Storage Temperature: *Ambient*

Unit of Measure: gals: ☐ lbs: ☒ XX cu ft: ☐

Storage Location(s): *3 - B*
(Provide grid coordinate from completed facility map.)

Percent Concentration & Components

100	%	*Fuel Oil or Grease*
_____	%	_____
_____	%	_____
_____	%	_____
_____	%	_____
_____	%	_____

NOTES: (Trade name(s) / synonym(s) or other information relevant to material listed.)

WASTE

MAKE COPIES OF THIS FORM AS NEEDED

SAN BERNARDINO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS WASTE INVENTORY FORM

Non-Trade Secret Page

FACILITY NAME: *ETIWANDA GENERATING STATION* ITEM # *12*

Type of Waste: *Asbestos containing Debris* Waste Classification: *151* (3 digit code)

Physical Hazard: FIRE: _____ PRESSURE: _____ REACTIVE: _____

Health Hazard : IMMEDIATE HEALTH: _____ DELAYED HEALTH: *XXX*

Physical State: FORM: Solid: *XXX* Liquid: _____ Gas: _____ Dust: XXX

Amount and Time at facility:
Days / year on-site: *365*
Maximum Daily Amount: *25,000 pounds*
Average Daily Amount: *2,000 pounds*
Annual Amount Generated: *450,000 pounds*
Container Type: *roll-off bins*
Storage Pressure: *Ambient* Storage Temperature: *Ambient*

Unit of Measure
gals: ☐
lbs: *XX*
cu ft: ☐

Storage Location(s): *3 - B*
(Provide grid coordinate from completed facility map.)

Percent Concentration & Components

100	%	*Asbestos containing insulation, debris*
_____	%	_____
_____	%	_____
_____	%	_____
_____	%	_____
_____	%	_____

NOTES: (Trade name(s) / synonym(s) or other information relevant to material listed.)

WASTE

MAKE COPIES OF THIS FORM AS NEEDED

SAN BERNARDINO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS WASTE INVENTORY FORM

Non-Trade Secret Page

FACILITY NAME: *ETIWANDA GENERATING STATION* ITEM # *13*

Type of Waste: *Equipment containing P.C.B.'s* Waste Classification: _____ (3 digit code)

Physical Hazard: FIRE: _____ PRESSURE: _____ REACTIVE: _____

Health Hazard : IMMEDIATE HEALTH: _____ DELAYED HEALTH: *XXX*

Physical State: FORM: Solid: *XXX* Liquid: _____ Gas: _____ Dust: _____

Amount and Time at facility:
Days / year on-site: *365*
Maximum Daily Amount: *80 pounds*
Average Daily Amount: *5 pounds*
Annual Amount Generated: *80 pounds*
Container Type: *55 gallon steel drums*
Storage Pressure: *Ambient* Storage Temperature: *Ambient*

Unit of Measure
gals: ☐
lbs: XX
cu ft: ☐

Storage Location(s): *2 - D* *3 - C*
(Provide grid coordinate from completed facility map.)

Percent Concentration & Components

_____ % _____
_____ % _____
_____ % _____
_____ % _____
_____ % _____
_____ % _____

NOTES: (Trade name(s) / synonym(s) or other information relevant to material listed.)

MAKE COPIES OF THIS FORM AS NEEDED

WASTE

SAN BERNARDINO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS WASTE INVENTORY FORM

Non-Trade Secret Page

FACILITY NAME: *ETIWANDA GENERATING STATION* ITEM # *14*

Type of Waste: *Alkaline Batteries* Waste Classification: *181* (3 digit code)

Physical Hazard: FIRE: _____ PRESSURE: _____ REACTIVE: *XXX*

Health Hazard : IMMEDIATE HEALTH: *XXX* DELAYED HEALTH: _____

Physical State: FORM: Solid: *XXX* Liquid: _____ Gas: _____ Dust: _____

Amount and Time at facility:
Days / year on-site: *365*
Maximum Daily Amount: *5 pounds*
Average Daily Amount: *1 pound*
Annual Amount Generated *25 pounds*
Container Type: *5 gallon plastic container*
Storage Pressure: *Ambient* Storage Temperature: *Ambient*

Unit of Measure
gals: ☐
lbs: ☒ XX
cu ft: ☐

Storage Location(s): *3 - B*
(Provide grid coordinate from completed facility map.)

Percent Concentration & Components

100	%	*Household-type alkaline batteries*
_____	%	_____
_____	%	_____
_____	%	_____
_____	%	_____
_____	%	_____

NOTES: (Trade name(s) / synonym(s) or other information relevant to material listed.)

MAKE COPIES OF THIS FORM AS NEEDED

DATE PREPARED:3/21/95

WASTE

SAN BERNARDINO COUNTY
DEPARTMENT OF ENVIRONMENTAL HEALTH SERVICES
HAZARDOUS WASTE INVENTORY FORM

Non-Trade Secret Page

FACILITY NAME: *ETIWANDA GENERATING STATION* ITEM # *15*

Type of Waste: *Lead Acid Batteries* Waste Classification: *181* (3 digit code)

Physical Hazard: FIRE: _____ PRESSURE: _____ REACTIVE: *XXX*

Health Hazard : IMMEDIATE HEALTH: *XXX* DELAYED HEALTH: _____

Physical State: FORM: Solid: *XXX* Liquid: *XXX* Gas: _____ Dust: _____

Amount and Time at facility:
Days / year on-site: *365*
Maximum Daily Amount: *150 pounds*
Average Daily Amount: *100 pounds*
Annual Amount Generated *300 pounds*
Container Type: *palletized*
Storage Pressure: *Ambient* Storage Temperature: *Ambient*

Unit of Measure
gals: ☐
lbs: XX
cu ft: ☐

Storage Location(s): *2 - D*
(Provide grid coordinate from completed facility map.)

Percent Concentration & Components

100	%	*Lead Acid Batteries*
_____	%	_____
_____	%	_____
_____	%	_____
_____	%	_____
_____	%	_____

NOTES: (Trade name(s) / synonym(s) or other information relevant to material listed.)

WASTE

MAKE COPIES OF THIS FORM AS NEEDED

STATE OF CALIFORNIA—HEALTH AND WELFARE AGENCY PETE WILSON, *Governor*

DEPARTMENT OF HEALTH SERVICES
TOXIC SUBSTANCES CONTROL PROGRAM
REGION 4
245 WEST BROADWAY, SUITE 350
LONG BEACH, CA 90802
(213) 590-4868

CERTIFICATION FOR OPERATION

Dowell Schlumberger Incorporated
TIU Permit Holder

Certificate Number 05/91/001/4/KB

301 Crenshaw Boulevard
Address

Torrance CA 90510
City State Zip

is the holder of a permit to treat Hazardous Wastes in one or more Transportable Treatment Units.

CAD000628271
EPA ID Number

Dowell Schlumberger, owner and operator, submitted a Site Specific Notification to operate one Transportable Treatment Unit at the following location:

Southern California Edison, Etiwanda Generating Station
8996 Etiwanda Avenue
Etiwanda, CA 91739
EPA ID No. CAD079548574

The Site Specific Notification is hereby approved subject to the following conditions:

a) Total operational days at this facility must not exceed 180 days in 365 days.

b) TIU's must follow decontamination and site closure procedures prior to leaving the site.

c) The operator must maintain and operate the TIU in a manner that the hazardous waste spillage does not occur at all times.

Mohinder S. Sandhu, P.E.
Branch Chief
Facility Permitting Branch

May 10, 1991
Date

This Certification shall be effective on May 10, 1991, and subsequently allows the Permit Holder to operate for no more than 180 days beginning May 10, 1991, and ending May 9, 1992.

John A. Hinton, P.E.
Regional Administrator
Region 4

May 10, 1991
Date

ENVIRONMENTAL
HEALTH SERVICES

91 MAY 17 PM 2:18

ATE OF CALIFORNIA
CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
SANTA ANA REGION
6809 INDIANA AVENUE, SUITE 200
RIVERSIDE, CALIFORNIA 92506
PHONE: (714) 782-4130

GEORGE DEUKMEJIAN, Governor

SCE
GEN FILE

September 2, 1988

Carlos B. Alcaino, Senior Engineer
Steam Generation Division
Southern California Edison
P.O. Box 800
Rosemead, CA 91770

ETIWANDA GENERATING STATION

Dear Mr. Alcaino:

This letter is to follow up the August 12, 1988 inspection of the Etiwanda Generating Station. Participants in the inspection included SCE's Robert Goodson, Jerry Socia, Richard Schraeder and you, and Mark Adelson of this office. The purpose of the inspection was to determine details surrounding the recent failure of a main drainage line and its subsequent repair adjacent to the station's Unit 1. A secondary function of the inspection was to review any waste disposal facilities at the station and to evaluate the need for their ongoing regulation.

During the inspection, two areas of concern were identified. It was reported that, prior to the construction of the boiler cleaning waste retention pond in 1978, low pH boiler cleaning wastes were discharged to the main drain line serving the station's generators. Repeated exposure to low pH wastes caused periodic line failures, which presumably led to discharges of low pH wastes to the ground. No attempts to characterize or clean up these waste discharges were reported.

Based on the depth to ground water and other conditions at the site, it does not appear that these past discharges pose a significant threat to water quality. Therefore, we do not believe characterization or clean up of the above-noted waste discharges is necessary at this time.

The other identified concern was the condition of the three waste retention ponds and their linings. It was reported that the boiler cleaning waste retention pond was scheduled for triple lining, a project expected to be completed by February 1989. Apparently, plans are being developed for relining the two station waste retention ponds although no definite project schedule has been determined. We note that the boiler cleaning waste retention pond project is being monitored by Richard Bailey of this office's Toxic Pits Cleanup Act program.

Questions regarding the main drain line failure were satisfactorily resolved, and we anticipate no further action regarding that incident.

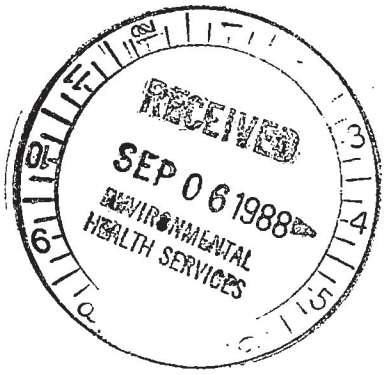
Your cooperation during the inspection was greatly appreciated. As always, if we can be of assistance, please don't hesitate to call.

Sincerely,

Dixie B. Lass, Chief
Subchapter 15/Landfills

cc: Peter Brierty, San Bernardino County, Department of Environmental Health Services, Hazardous unit

MGA:csi


RECEIVED
SEP 06 1988
ENVIRONMENTAL
HEALTH SERVICES

STATE OF CALIFORNIA—HEALTH AND WELFARE AGENCY GEORGE DEUKMEJIAN, *Governor*

DEPARTMENT OF HEALTH SERVICES
107 SOUTH BROADWAY, Rm 7011
LOS ANGELES, CALIFORNIA 90012
(213) 620-2380

January 21, 1988

Mr. Frank Melone
Southern California Edison
P. O. Box 800
2244 Walnut Grove Avenue
Rosemead, CA 91770

Dear Mr. Melone:

HAZARDOUS WASTE FACILITY PERMIT VARIANCE: SOUTHERN CALIFORNIA EDISON (SCE)

On December 17, 1987, you applied to the Department of Health Services for a variance extension from the Hazardous Waste Facility Permit requirements. The original variance was issued on January 29, 1987 and extended on October 6, 1987. The variance allowed you to have your boiler cleaning wastes treated on-site by a transportable treatment unit.

Your request for an extension is hereby granted and is valid for a maximum of ninety (90) days from the date of this correspondence. All other conditions of the original variance are still applicable.

If you have any questions, please contact Charles Humphrey of this office at the above telephone number.

Sincerely,

Gautam Gupta

John A. Hinton, P.E., Chief
Facility Permitting Unit
Southern California Section
Toxic Substances Control Division

[redacted]ORNIA

GEORGE DEUKMEJIAN, Gov.

[redacted]NIA REGIONAL WATER QUALITY CONTROL BOARD
[redacted]NA REGION
[redacted]ANA AVENUE, SUITE 200
RI[redacted]DE, CALIFORNIA 92506
PHO[redacted]: (714) 782-4130

File SCE Etiwanda Station

July 22, 1987

Mr. Edward J. Faeder, Ph.D.
Manager of Environmental Operations
Southern California Edison Company
P.O. Box 800
2244 Walnut Grove Avenue
Rosemead, CA 91770

Attention: Mr. Bob Goodson

REMEDIAL ACTION AT ETIWANDA GENERATING STATION

Dear Mr. Faeder:

Board staff has reviewed your Site Characterization study for the Etiwanda Generating Station (EGS). The study addressed the chemical composition and extent of contamination of the soil in the drainage channel and spreading basin on EGS property. Based on the site characterization you submitted, water quality has not been deleteriously affected or threatened at the Etiwanda Generating Station. Therefore, further remedial action at the site will not be required.

If you should have any questions, please contact either me or Myron Eng of our Industrial Surveillance Section.

Sincerely,

Gary M. Litton

Gary M. Litton, Chief
Industrial Surveillance Section

cc: Steve Van Stockum, San Bernardino County Environmental Health Services

ME:djb

Southern California Edison Company

P. O. BOX 800
2244 WALNUT GROVE AVENUE
ROSEMEAD, CALIFORNIA 91770

May 20, 1987

Ms. Judy Ortong
San Bernardino County Environmental
and Health Services
383 North Arrowhead Avenue
San Bernardino, CA 92415-0160

Madam:

Southern California Edison has been granted a Hazardous Waste Facility Permit Variance by the Department of Health Services to allow on-site treatment of liquid hazardous wastes. These wastes are generated from the chemical cleaning of internal boiler surfaces at our various generating stations. The on-site treatment is accomplished through the use of a mobile treatment unit. The treatment consists of neutralization of the waste and precipitation of metal components in the waste.

Our variance requires notification to your office seven (7) days prior to the commencement of any treatment operation at a site located within your jurisdiction. This letter satisfies our notification requirement for the following site:

- Etiwanda Generating Station (CAD079548574) treatment of wastes generated from the chemical cleaning of Unit 4 will commence on Monday, June 15, 1987.

The sludge generated from the treatment process will be dewatered and disposed at an approved Class I disposal site. The non-hazardous supernatant from the treatment process will be discharged in accordance with regulations imposed by the generating stations' Industrial Waste Service Agreement with the Chino Basin Municipal Water District and in compliance with the Environmental Protection Agency's Pretreatment Regulations for the Steam Electric Power Generating Industry.

Cordially,

Frank L. Melone

Frank L. Melone

cc: John A. Hinton, Dept. of Health Services
Jim Ruck, Dowell Schlumberger
Theo Novak, Chino Basin Municipal Water District


RECEIVED
MAY 26 1987
ENVIRONMENTAL
HEALTH SERVICES

F-12

Southern California Edison Company

P. O. BOX 800

2244 WALNUT GROVE AVENUE

ROSEMEAD, CALIFORNIA 91770

RECEIVED
MAY 29 1987
ENVIRONMENTAL
HEALTH SERVICES

May 26, 1987

Mr. Steve Van Stockum
San Bernardino County Department
of Environmental Health
385 N. Arrowhead Ave.
San Bernardino, California 92415

Dear Mr. Van Stockum

Subject: Southern California Edison -- Etiwanda Generating Station

This letter is in response to your request for hazardous waste manifest documentation involved with the removal and disposal of cooling tower wood at Southern California Edison's Etiwanda Generating Station. The cooling tower wood was removed as a planned maintenance operation to replace the wood fill material after more than 25 years of service. The old wood was replaced with new PVC fill material.

Your inquiry into this matter was initiated as a result of a CalOSHA notification reported to your office under Proposition 65. Your office's investigation on April 7, 1987 indicated that there was no release resulting from the maintenance operation at Etiwanda Generating Station. However, you requested copies of the hazardous waste manifests to assure that the wood was properly disposed of after the maintenance operation was complete.

This is to inform you that the cooling tower maintenance at Etiwanda Generating Station is complete and to transmit the requested hazardous waste manifests. In addition to the manifests, I have enclosed the chemical analysis of the cooling tower wood that was done prior to commencing the work.

Please contact me at (818) 302-1831 if you have any additional questions regarding this subject.

R. M. Goodson

enclosures

IT CORPORATION

1575 Pacheco Boulevard • Martinez, CA 94553
Telephone: (415) 228-5100

HAZARDOUS WASTE PREDISPOSAL EVALUATION

A. IT USE ONLY

EVALUATION # 23312
WASTE STREAM#
ACCT MGR
DATE SUBMITTED
CUSTOMER ID#
ANALYTICAL CHARGES
P.O./CONTRACT#
BILLING INSTRUCTIONS:

B. GENERATOR INFORMATION:

GENERATOR NAME Southern California Edison Co.
MAILING ADDRESS 8631 Rush Street
Rosemead, CA. 91770
SITE ADDRESS Etiwanda Generating Station
EPA ID# CAD079548574
TECHNICAL CONTACT _____ PHONE _____

C. CUSTOMER INFORMATION:

CUSTOMER NAME JP Services, Inc.
ADDRESS 695 E. 27th Street
Long Beach, CA. 90806
CONTACT Richard Okuda
PHONE 213-424-1465
TRANSPORTER # 1532
EPA ID# CAD981434111

D. WASTE DESCRIPTION: Contaminated wood and Debris
GENERATING PROCESS Cooling Tower Demolition
VOLUME _____ GALLONS 5000 CUBIC YARDS
FREQUENCY ☒ One Time ☐ Week ☐ Month ☐ Quarter ☐ Year
METHOD OF SHIPMENT ☐ Bulk Liquid ☒ Bulk Solid ☐ Drums
DRUM TYPE AND SIZE _____

E. SHIPPING INFORMATION:

D.O.T. PROPER SHIPPING NAME Hazardous Waste Solid, N.O.S.
R.Q. _____ UN/NA# 9189
HAZARD CLASS Poison
RCRA WASTE? ☐ Yes ☒ No CODE _____
CA. HAZARDOUS WASTE? ☒ Yes ☐ No CODE _____
CA. RESTRICTED WASTE? ☐ Yes ☒ No

F. HAZARDS:

	LOW	MOD.	HIGH		YES	NO
INHALATION	☒	☐	☐		☐	☒ PYROPHORIC
DERMAL	☐	☒	☐		☐	☒ EXPLOSIVE
ORAL	☒	☐	☐		☐	☒ SHOCK SENSIT
FLAMMABLE	☐	☒	☐		☐	☒ WATER REACT
REACTIVITY	☒	☐	☐		☐	☐ OTHER

MATERIAL SAFETY DATA SHEETS ATTACHED? N/A
SPECIAL HANDLING Gloves

G.
COLOR Brown
ODOR _____
☐ Mild ☒ None ☐ Strong

H. PHYSICAL STATE:
☐ Liquids _____ % Free Liquids
☒ Solids ☐ Single Layer
☐ Sludge ☐ Double Layer
☐ Powder ☐ Multi-Layer

I. pH:
☐ <2 ☐ 10-12
☐ 2-6 ☐ >12
☒ 6-8 ☐ _____ Exact
☐ 8-10

J. NORMALITY:
☐ 0.1-1.0 ☐ 4.1-5.0
☐ 1.1-2.0 ☐ 5.1-6.0
☐ 2.1-3.0 ☐ > 6.0
☐ 3.1-4.0 ☐ _____ Exact

K. SPECIFIC GRAVITY:
☐ <0.8 ☐ 1.4-1.7
☐ 0.8-1.0 ☐ > 1.7
☐ 1.0-1.2 ☐ _____ Exact
☐ 1.2-1.4

L. FLASH POINT:
☐ 100F
☐ 100-140F
☒ 140-200F
Method _____

M. CHEMICAL COMPOSITION:

Redwood	98 %
Metal Debris	1 %
Chemicals- Various	1 %
ACID TYPES	%
BASE TYPE	%
OXIDIZER TYPE	%
WATER	%
OIL	%
TOTAL	0%

10-8-85 Predisposal notes

UNK	YES	NO		
☐	☐	☐	CYANIDES	PPM
☐	☐	☐	FORMALDEHYDE	PPM
☐	☐	☐	PCB	PPM
☐	☐	☐	PHENOLS	PPM
☐	☐	☐	SULFIDES	PPM
☐	☐	☐	AMMONIA	PPM
☐	☐	☐	DIOXINS	PPM
☐	☐	☐	PESTICIDE	PPM
			PESTICIDE GROUP	
☐	☐	☐	HALOGENATED ORGANICS	PPM
			OTHER	PPM

N. METALS:

	TOTAL		SOLUBLE
Tl	PPM	Tl	P
As	PPM	As 12	P
Hg	PPM	Hg [0.010	P
Se	PPM	Se [0.06	P
Pb	PPM	Pb 4.2	P
Cd	PPM	Cd .20	P
Ni	PPM	Ni .48	P
Cr	PPM	Cr 91	P
Cr+6	PPM	Cr+6 [0.02	P
V	PPM	V 2.0	P
Be	PPM	Be [0.01	P
Cu	PPM	Cu 170	P
Fe	PPM	Fe	P
Co	PPM	Co [0.06	P
Zn	PPM	Zn 23	P
OTHER			
OTHER			

O. ANALYTICAL INSTRUCTIONS: ☐ STANDARD PREDISPOSAL ☒ RUSH (subject to surcharge) ☐ REQUEST FOR ANALYSIS
SPECIFIC INSTRUCTIONS: See attached analysis

P. CERTIFICATION: I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THE ABOVE INFORMATION AND ATTACHMENTS FULLY AND ACCURATELY CHARACTERIZE THE CHEMICAL AND PHYSICAL PROPERTIES OF THE WASTE STREAM. I UNDERSTAND THAT THIS SAMPLE IS ASSUMED BY IT CORPORATION TO BE REPRESENTATIVE OF THE WASTE STREAM AND THAT ACCEPTABILITY AND PRICE ESTIMATES BASED ON THIS SAMPLE MAY CHANGE ACCORDING TO THE COMPOSITION OF ACTUAL WASTES ANALYZED AT TRUCK RECEIVING.

NAME: M. L Varvis SIGNATURE: Michael L Varvis DATE: 2/18/87 PHONE: _____

Form PD-4 (3/86) White-Data Management Green-Operations Canary-Account Manager Pink-Accounting Goldenrod-Customer Service

IT CORPORATION

1575 Pacheco Boulevard • Martinez, CA 94553
Telephone: (415) 228-5100

HAZARDOUS WASTE PREPOSAL EVALUATION

A. IT USE ONLY

EVALUATION # 23312
WASTE STREAM#
ACCT MGR
DATE SUBMITTED
CUSTOMER ID#
ANALYTICAL CHARGES
P.O./CONTRACT#
BILLING INSTRUCTIONS:

B. GENERATOR INFORMATION:

GENERATOR NAME Southern California Edison Co.
MAILING ADDRESS 8631 Rush Street
Rosemead, CA. 91770
SITE ADDRESS Etiwanda Generating Station
EPA ID# CAD079548574
TECHNICAL CONTACT PHONE

C. CUSTOMER INFORMATION:

CUSTOMER NAME JP Services, Inc.
ADDRESS 695 E. 27th Street
Long Beach, CA. 90806
CONTACT Richard Okuda
PHONE 213-424-1465
TRANSPORTER # 1532
EPA ID# CAD981434111

D. WASTE DESCRIPTION: Contaminated wood and Debris
GENERATING PROCESS Cooling Tower Demolition
VOLUME GALLONS 5000 CUBIC YARDS
FREQUENCY ☒ One Time ☐ Week ☐ Month ☐ Quarter ☐ Year
METHOD OF SHIPMENT ☐ Bulk Liquid ☒ Bulk Solid ☐ Drums
DRUM TYPE AND SIZE

E. SHIPPING INFORMATION:

D.O.T. PROPER SHIPPING NAME Hazardous Waste Solid, N.O.S.
R.Q. UN/NA# 9189
HAZARD CLASS Poison
RCRA WASTE? ☐ Yes ☒ No CODE
CA. HAZARDOUS WASTE? ☒ Yes ☐ No CODE
CA. RESTRICTED WASTE? ☐ Yes ☒ No

F. HAZARDS:

	LOW	MOD.	HIGH	YES	NO	
INHALATION	☒	☐	☐	☐	☒	PYROPHORIC
DERMAL	☐	☒	☐	☐	☒	EXPLOSIVE
ORAL	☒	☐	☐	☐	☒	SHOC
FLAMMABLE	☐	☒	☐	☐	☒	WATER REACT
REACTIVITY	☒	☐	☐	☐	☐	OTHER

MATERIAL SAFETY DATA SHEETS ATTACHED? N/A
SPECIAL HANDLING Gloves

G.
COLOR Brown
ODOR
☐ Mild ☒ None ☐ Strong

H. PHYSICAL STATE:
☐ Liquids % Free Liquids
☒ Solids ☐ Single Layer
☐ Sludge ☐ Double Layer
☐ Powder ☐ Multi-Layer

I. pH:
☐ <2 ☐ 10-12
☐ 2-6 ☐ >12
☒ 6-8 ☐ Exact
☐ 8-10

J. NORMALITY:
☐ 0.1-1.0 ☐ 4.1-5.0
☐ 1.1-2.0 ☐ 5.1-6.0
☐ 2.1-3.0 ☐ > 6.0
☐ 3.1-4.0 ☐ Exact

K. SPECIFIC GRAVITY:
☐ <0.8 ☐ 1.4-1.7
☐ 0.8-1.0 ☐ > 1.7
☐ 1.0-1.2 ☐ Exact
☐ 1.2-1.4

L. FLASH POINT:
☐ 100F
☐ 100-140F
☒ 140-200F
Method

M. CHEMICAL COMPOSITION:

Redwood	98	%
Metal Debris	1	%
Chemicals- Various	1	%
		%
ACID TYPES		%
		%
BASE TYPE		%
OXIDIZER TYPE		%
WATER		%
OIL		%
TOTAL	100%	

UNK	YES	NO		
☒	☐	☐	CYANIDES	PPM
☒	☐	☐	FORMALDEHYDE	PPM
☒	☐	☐	PCB	PPM
☒	☐	☐	PHENOLS	PPM
☒	☐	☐	SULFIDES	PPM
☒	☐	☐	AMMONIA	PPM
☒	☐	☐	DIOXINS	PPM
☒	☐	☐	PESTICIDE	PPM
			PESTICIDE GROUP	
☒	☐	☐	HALOGENATED ORGANICS	PPM
			OTHER	PPM

N. METALS:

	TOTAL		SOLUBLE
Tl	PPM	Tl	
As	PPM	As	12
Hg	PPM	Hg	[0.010
Se	PPM	Se	[0.06
Pb	PPM	Pb	4.2
Cd	PPM	Cd	.20
Ni	PPM	Ni	.48
Cr	PPM	Cr	91
Cr+6	PPM	Cr+6	[0.02
V	PPM	V	2.0
Be	PPM	Be	[0.01
Cu	PPM	Cu	170
Fe	PPM	Fe	
Co	PPM	Co	[0.06
Zn	PPM	Zn	23
OTHER			
OTHER			

O. ANALYTICAL INSTRUCTIONS: ☐ STANDARD PREDISPOSAL ☒ RUSH (subject to surcharge) ☐ REQUEST FOR ANALYSIS
SPECIFIC INSTRUCTIONS: See attached analysis

P. CERTIFICATION: I HEREBY CERTIFY THAT TO THE BEST OF MY KNOWLEDGE THE ABOVE INFORMATION AND ATTACHMENTS FULLY AND ACCURATELY CHARACTERIZE THE CHEMICAL AND PHYSICAL PROPERTIES OF THE WASTE STREAM. I UNDERSTAND THAT THIS SAMPLE IS ASSUMED BY IT CORPORATION TO BE REPRESENTATIVE OF THE WASTE STREAM AND THAT ACCEPTABILITY AND PRICE ESTIMATES BASED ON THIS SAMPLE MAY CHANGE ACCORDING TO THE COMPOSITION OF ACTUAL WASTES ANALYZED AT TRUCK RECEIVING.

NAME: M. L Varvis SIGNATURE: Michael L Varvis DATE: 2/18/87 PHONE:

Form PD-4 (3/86) White-Data Management Green-Operations Canary-Account Manager Pink-Accounting Goldenrod-Customer Service

LOG NO: P86-09-511

Received: 25 SEP 86
Reported: 28 OCT 86

Joe Covey
S.C.E., Steam Div. Chemical
Post Office Box 928
Paramount, CA 90723

Purchase Order: 73605905

Project: 86249

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, SOLID SAMPLES	DATE SAMPLED
09-511-2	M-86-4b Cooling Tower Fill	25 SEP 86

PARAMETER	09-511-2
Antimony, mg/kg	<10
Arsenic, mg/kg	170
Barium, mg/kg	110
Beryllium, mg/kg	<0.2
Cadmium, mg/kg	3.0
Chromium, mg/kg	2300 ← close
Cobalt, mg/kg	1
Copper, mg/kg	2300 ← close
Lead, mg/kg	110
Mercury, mg/kg	<0.3
Molybdenum, mg/kg	<5
Nickel, mg/kg	11
Selenium, mg/kg	2
Silver, mg/kg	<0.2
Thallium, mg/kg	<10
Vanadium, mg/kg	21
Zinc, mg/kg	310
Hexavalent Chromium, mg/kg	<5
Nitric Acid Digestion, Date	10/16/86

Amended report: corrected units on mercury data. 12/02/86. --J. Freemyer.

Robert Peak for
Edward Wilson, Laboratory Director

AMENDED REPORT

12-5-86

BROWN AND CALDWELL BC
ANALYTICAL LABORATORIES

LOG NO: P86-10-574

Received: 29 OCT 86
Reported: 21 NOV 86

Joe Covey
S.C.E., Steam Div. Chemical
Post Office Box 928
Paramount, CA 90723

Purchase Order: 73605905

Project: 86249

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, CALIF WASTE EXTRACT SAMPLES	DATE SAMPLED
10-574-1	M-E86-4a Cooling Tower Basin Sludge	25 SEP 86
10-574-2	M-E86-4b Cooling Tower Fill	25 SEP 86

PARAMETER	10-574-1 (Sludge)	10-574-2 (Fill)	
Antimony, mg/L	<0.8	<0.8	
Arsenic, mg/L	2.4	12	→ exceeds STLC
Barium, mg/L	0.70	0.10	
Beryllium, mg/L	<0.01	<0.01	
Cadmium, mg/L	0.04	0.20	
Chromium, mg/L	20	91	
Cobalt, mg/L	<0.06	<0.06	
Copper, mg/L	2.1	170	— exceeds STLC
Lead, mg/L	5.6 ←	4.2	
Mercury, mg/L	<0.010	<0.010	
Molybdenum, mg/L	<0.4	<0.4	
Nickel, mg/L	0.52	0.48	
Selenium, mg/L	<0.06	<0.06	
Silver, mg/L	0.02	0.02	
Thallium, mg/L	<0.8	<0.8	
Vanadium, mg/L	1.7	2.0	
Zinc, mg/L	14	23	
CAM WET Extraction	11/07/86	11/07/86	

LOG NO: P86-10-574

Received: 29 OCT 86
Reported: 21 NOV 86

Joe Covey
S.C.E., Steam Div. Chemical
Post Office Box 928
Paramount, CA 90723

Purchase Order: 73605905

Project: 86249

REPORT OF ANALYTICAL RESULTS

LOG NO	SAMPLE DESCRIPTION, D.I. WATER EXTRACT SAMPLES	DATE SAMPLED
10-574-3	M-86-4a Cooling ~~Tower Fill~~ – Sludge	25 SEP 86
10-574-4	M-E86-4b Cooling Tower Fill	25 SEP 86

PARAMETER	10-574-3	10-574-4
Hexavalent Chromium, mg/L	<0.02	<0.02
Wet D.I. Extract, Date	11/07/86	11/07/86

Amended report; matrix corrected. 11/26/86.
--J. Freemyer.

Edward Wilson, Laboratory Director

State of California—Health and Welfare Agency

Please print or type. *(Form designed for use on e 2-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD075464574 Manifest Document No. 617171

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
SO. CAL. EDISON
8996 ETIWANDA AVE.
4. ETIWANDA CA. 91739 714-987-2561

A. State Manifest Document Number: 86405560
B. State Generator's ID: HE BQ 36006959

5. Transporter 1 Company Name: J. P. Services Inc. 6. US EPA ID Number: CAD981431111
C. State Transporter's ID: 101033
D. Transporter's Phone: 213 321-1465

7. Transporter 2 Company Name 8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVYE RD.
WESTMOERLAND, CA.
10. US EPA ID Number: CAD000633164
G. State Facility's ID
H. Facility's Phone: 619-344-9400

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. [illegible] NA 9189	001	CM	00030	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PREDISPOSAL EVALUATION # 33312

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
GLOVES & GOGGLES

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Robert Zandbergen — Signature: Robert Zandbergen — Month Day Year: 10 15 17

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: STEVEN KUTZ — Signature: [signature] — Month Day Year: 10 15 17

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name — Signature — Month Day Year

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW GENERATOR RETAINS

00 4000 00

State of California—Health and Welfare Agenc

Please print or type. *(Form designed for use on e 12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD071954857 | Manifest Document No. 87178 | 2. Page 1 of | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SO. CAL. EDISON
8996 ETIWANDA AVE.
ETIWANDA, CA. 91739

4. Generator's Phone 714-987-2561

A. State Manifest Document Number 8640559

B. State Generator's ID HY HD 36-006959

5. Transporter 1 Company Name J.P. Services Inc. | 6. US EPA ID Number CAD981878111 | C. State Transporter's ID 42-12-7 | D. Transporter's Phone 213-427-1467

7. Transporter 2 Company Name | 8. US EPA ID Number | E. State Transporter's ID | F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY RD.
WESTMORELAND, CA.

10. US EPA ID Number CAD000631164

G. State Facility's ID

H. Facility's Phone 619-344-9400

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	10	CM	00020	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PREDISPOSAL EVALUATION # 23312

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
GLVOES & GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Robert Zandbergen | Signature: Robert Zandbergen | Month Day Year: 05 04 87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: [illegible] | Signature: [illegible] | Month Day Year: 05 05 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name | Signature | Month Day Year

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW GENERATOR RETAINS

State of California—Health and Welfare Agency

Please print or type. (Form designed for use on elite (12-pitch) typewriter.)

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD079548574 Manifest Document No. 8717177

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVENUE
ETIWANDA, CA. 91739
4. Generator's Phone ( ) 714-987-2561

A. State Manifest Document Number: 86405549
B. State Generator's ID: HY HQ 36-006959

5. Transporter 1 Company Name: JP SERVICES
6. US EPA ID Number: CAD981434111
C. State Transporter's ID: 70733
D. Transporter's Phone: 213-424-1465

7. Transporter 2 Company Name:
8. US EPA ID Number:
E. State Transporter's ID:
F. Transporter's Phone:

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY ROAD
WESTMORELAND, CA.
10. US EPA ID Number: CADO00063164
G. State Facility's ID:
H. Facility's Phone: 619-344-9400

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	CM	00030	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PREDISOOSAL EVALUATION #23312

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
GLVOES & GOGGLES

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: ROBERT VANDBERGEN
Signature: Robert Vandbergen
Month Day Year: 05 04 87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: STEVEN RUFFIN
Signature:
Month Day Year: 05 04 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Month Day Year:

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name:
Signature:
Month Day Year:

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW GENERATOR RETAINS

State of California—Health and Welfare Agenc

Please print or type. *(Form designed for use on e* *2-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 0 7 9 5 4 8 5 7 4 — Manifest Document No. 5 7 1 7 3

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVENUE
ETIWANDA, CA. 91739

4. Generator's Phone ( ) 714-987-2561

A. State Manifest Document Number: 86405547

B. State Generator's ID: HY HQ 36-006959

5. Transporter 1 Company Name: JP SERVICES

6. US EPA ID Number: C A D 9 8 1 4 3 4 1 1 1

C. State Transporter's ID: 705729

D. Transporter's Phone: 213-424-1465

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY ROAD
WESTMORELAND, CA.

10. US EPA ID Number: C A D 0 0 0 6 3 3 1 6 4

G. State Facility's ID

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	0 0 1	C M	0 0 0 3 0	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PREDISPOSAL EVALUTION #23312

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
GLOVES & GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

GENERATOR

Printed/Typed Name: ROBERT ZANDBERGEN — Signature: Robert Zandbergen — Month Day Year: 05 01 87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: STEVE [illegible] — Signature — Month Day Year: 05 01 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name — Signature — Month Day Year

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW GENERATOR RETAINS

State of California—Health and Welfare Agency

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD079548574 Manifest Document No. 87177 3

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
WOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVENUE
ETIWNADA, CA. 91739

4. Generator's Phone ( ) 714-987-2561

A. State Manifest Document Number: 86405545

B. State Generator's ID: HY HQ 36-006959

5. Transporter 1 Company Name: J.P. SAKURA

6. US EPA ID Number: CAD981434444

C. State Transporter's ID: 20105

D. Transporter's Phone: 2134291466

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY ROAD
WESTMORELAND, CA.

10. US EPA ID Number: CAD009633164

G. State Facility's ID: CAD009633164

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	CM	00030	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PREDISPOSAL EVALUATION #23312

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
GLOVES AND GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Robert Zandbergen — Signature: Robert Zandbergen — Month 04 Day 15 Year 87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Steven Pollard — Signature: [signature] — Month 04 Day 15 Year 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

). Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: NORMAN B. GIBBS — Signature: Norman B. Gibbs — Month 04 Day 17 Year 87

86405545

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Health and Welfare Agency

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 0 7 9 5 4 8 5 7 4 — Manifest Document No. 8717 1719

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVENUE
ETIWANDA, CA. 91739
4. Generator's Phone ( ) 714-987-2561

A. State Manifest Document Number: 86405544

B. State Generator's ID: HY HQ 36-006959

5. Transporter 1 Company Name: J.P. Service Inc. — 6. US EPA ID Number: C A D 9 8 1 4 3 4 1 1 1 1

C. State Transporter's ID: 707033

D. Transporter's Phone: (213) 424-1465

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY ROAD
WESTMORELAND, CA.

10. US EPA ID Number: C A D 0 0 0 6 3 3 1 6 4

G. State Facility's ID: CAD 000633164

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	CM	00030	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PREDISPOSAL EVALUATION #23312

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
GLOVES AND GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: E. A. T. L. — Signature — Month Day Year: 04/20/87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Steve Rollin — Signature — Month Day Year: 04/20/87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

). Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Warren B. Crane — Signature — Month Day Year: 04/24/87

86405544

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Health and Welfare Agency

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD079548574 — Manifest Document No. 171715

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVENUE
ETIWANDA, CA. 91739
4. Generator's Phone ( ) 714-987-2561

A. State Manifest Document Number: 86405543

B. State Generator's ID: HY HQ 36-006959

5. Transporter 1 Company Name: J.P. TRANSPORT — 6. US EPA ID Number: CAD981434111

C. State Transporter's ID: 703724

D. Transporter's Phone: (213)424-1463

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY ROAD
WESTMORELAND, CA.
10. US EPA ID Number: CAD000633164

G. State Facility's ID: CAD000633164

H. Facility's Phone: 619-344-9400

GENERATOR

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	CM	00030	Y	491
b.					
c.					
d.					

Additional Descriptions for Materials Listed Above: PREDISPOSAL EVALUATION #23312

K. Handling Codes for Wastes Listed Above: 03

15. Special Handling Instructions and Additional Information
GLOVES AND GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name — Signature — Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: STEVEN RUFFIN — Signature — Month Day Year: 04 12 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: NORMAN B GILDEA — Signature — Month Day Year: 04 14 87

86405543

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Health and Welfare Agency

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 0 7 9 5 1 4 8 5 7 1 4 — Manifest Document No. 8 7 1 7 1 7 6

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVENUE
ETIWANDA, CA. 91739

4. Generator's Phone ( ) 714-987-2561

A. State Manifest Document Number: 86405542

B. State Generator's ID: HY HQ 36-006959

5. Transporter 1 Company Name: S F TRANSPORT

6. US EPA ID Number: C A D 9 8 1 4 2 4 1 1 1

C. State Transporter's ID: 707033

D. Transporter's Phone: (213) 424-1465

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY ROAD
WESTMORELAND, CA.

10. US EPA ID Number: C A D 0 0 0 6 3 3 1 6 4

G. State Facility's ID: CAD000633164

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	CM	00030	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PREDISPOSAL EVALUATION #23312

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
GLOVES AND GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: [illegible] — Signature: [signature] — Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: STEVEN RUFFIN — Signature: [signature] — Month Day Year: 04 12 89

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

). Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: NORMAN B GLOVER — Signature: [signature] — Month Day Year: 04 12 89

86405542

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Health and Welfare Agency

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 0 7 9 5 4 8 5 7 4 — Manifest Document No. 1 1 2

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVENUE
ETIWANDA, CA. 91739

4. Generator's Phone ( ) 714-987-2561

A. State Manifest Document Number: 86405541

B. State Generator's ID: HY HQ 36-006959

5. Transporter 1 Company Name: [illegible]

6. US EPA ID Number: [illegible]

C. State Transporter's ID: 705724

D. Transporter's Phone: 2134241465

7. Transporter 2 Company Name:

8. US EPA ID Number:

E. State Transporter's ID:

F. Transporter's Phone:

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO GARVEY ROAD
WESTMORELAND, CA.

10. US EPA ID Number: C A D 0 0 0 6 3 3 1 6 4

G. State Facility's ID: CAD 000 633 164

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	CM	00030	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PREDISPOSAL EVALUATION #23312

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
GOGGLES AND GLOVES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Robert Zandbergen — Signature: Robert Zandbergen — Month Day Year: 6 12 87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: STEVEN RUSH — Signature: [signature] — Month Day Year: 6 12 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: — Signature: — Month Day Year:

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: [illegible] — Signature: [signature] — Month Day Year: 6 15 87

86405541

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW· TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Health and Welfare Agency

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 0 7 9 5 4 8 5 7 4 — Manifest Document No. 8 7 7 7 7

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVENUE
ETIWANDA, CA. 91739

4. Generator's Phone ( ) 714-987-2561

A. State Manifest Document Number: 86405540

B. State Generator's ID: HY HQ 36-006959

5. Transporter 1 Company Name: J.P. SQUIRES INC — 6. US EPA ID Number: CAD981484777

C. State Transporter's ID: 707033

D. Transporter's Phone: 2134341465

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY ROAD
WESTMORELAND, CA.

10. US EPA ID Number: C A D 0 0 0 6 3 3 1 6 4

G. State Facility's ID: CAD000633164

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	CM	00080	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

PREDISPOSAL EVALUATION #23312

K. Handling Codes for Wastes Listed Above: 03

15. Special Handling Instructions and Additional Information

GLOVES AND GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name	Signature	Month	Day	Year
Robert Zundbergen	Robert Zundbergen	12	12	87

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
STEVEN RUFF	Steven Ruff	12	12	87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

). Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Norman B. Gurnee	Norman B. Gurnee	12	12	87

86405540

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Health and Welfare Agency

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD079548574 — Manifest Document No. 87117

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
SOUTHERN CAL. EDISON
8996 ETIWANDA AVENUE
ETIWANTA, CA. 91739

4. Generator's Phone 714-987-2561

A. State Manifest Document Number: 86405539

B. State Generator's ID: HY HQ 36-006959

5. Transporter 1 Company Name: J.P. Trucking Inc

6. US EPA ID Number: CAD981428411

C. State Transporter's ID: 703724

D. Transporter's Phone: 2134241465

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY ROAD
WESTMORELAND, CA.

10. US EPA ID Number: CAD006331164

G. State Facility's ID: CAD006331164

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	CM	00030	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PREDISPOSAL EVALUATION #23312

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional information
GLOVES & GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Robert Zandbergen — Signature: Robert Zandbergen — Month 04 Day 24 Year 87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: STEVEN RUFFIN — Signature: Steve Ruffin — Month 04 Day 24 Year 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

). Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: Norman B. Fiske — Signature: Norman B. Fiske — Month 04 Day 24 Year 87

86405539

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Health and Welfare Agency

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 0 1 7 9 5 4 8 5 7 4 — Manifest Document No. 3 1 7 1 6 1 7

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVENUE
ETIWANDA, CA. 91739

4. Generator's Phone 714-987-2561

A. State Manifest Document Number: 86405538

B. State Generator's ID: HY HQ 36-006954

5. Transporter 1 Company Name: I T [illegible]

6. US EPA ID Number: C A D 0 7 5 1 1 7 4 1 1 1

C. State Transporter's ID: 707033

D. Transporter's Phone: 213 429-1965

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY ROAD
WESTMORELAND, CA.

10. US EPA ID Number: C A D 0 0 0 6 3 3 1 6 4

G. State Facility's ID: CAD 006331 64

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAWARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	[illegible]	[illegible]	[illegible]	[illegible]	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

PREDISPOSAL EVALUATION #23312

K. Handling Codes for Wastes Listed Above

03

15. Special Handling Instructions and Additional Information

GLOVES & GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name	Signature	Month	Day	Year
Robert Sundbergen	Robert Sundbergen	1	16	87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	1	16	87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	1	19	87

86405538

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Health and Welfare Age...,

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 0 7 9 5 4 8 5 7 4 — Manifest Document No. 8 7 1 7 3 3

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVENUE
ETIWANDA, CA. 91739 714-987-2561

4. Generator's Phone ( )

A. State Manifest Document Number: 86405537

B. State Generator's ID: HY HQ 36-006959

5. Transporter 1 Company Name: J P SERVICES — 6. US EPA ID Number: C A D 9 8 1 3 9 4 1 1 1

C. State Transporter's ID: 703842

D. Transporter's Phone: 213 924-1465

7. Transporter 2 Company Name: J P SERVICES — 8. US EPA ID Number: C A D 9 8 1 3 9 4 1 1 1

E. State Transporter's ID: 703124

F. Transporter's Phone: 213 924-1465

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY ROAD
WESTMORELAND, CA.

10. US EPA ID Number: C A D 0 0 0 6 3 3 1 6 4

G. State Facility's ID: CAD006331647

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001		00030	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

PREDISPOSAL EVALUATION #23312

K. Handling Codes for Wastes Listed Above: 03

15. Special Handling Instructions and Additional information
GLOVES AND GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Robert Zandbergen — Signature — Month 04 Day 28 Year 87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: OSCAR PEREZ — Signature — Month 04 Day 28 Year 87

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name: STEVEN RUFFINI — Signature — Month 04 Day 28 Year 87

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: NORMAN B. COOPER — Signature — Month 04 Day 28 Year 87

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

1CCC0498

State of California—Health and Welfare Agency

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 0 7 9 5 4 8 5 7 4 — Manifest Document No. 2 7 1 8 7

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVENUE
ETIWANDA, CA. 91739

4. Generator's Phone 714-987-2561

A. State Manifest Document Number: 86405536

B. State Generator's ID: HY HQ 36-996959

5. Transporter 1 Company Name: J.P. Services — 6. US EPA ID Number: C A D 9 8 1 4 3 4 1 1 1

C. State Transporter's ID: 711058

D. Transporter's Phone: 213 429-1465

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY ROAD
WESTMORELAND, CA. — 10. US EPA ID Number: C A D 0 0 0 6 3 3 1 6 4

G. State Facility's ID: CAD000633164

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	CM	00030	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PREDISPOSAL EVALUATION #23312

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
GLOVES & GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Robert Zandbergen — Signature — Month Day Year: 04/21/87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: OSCAR H. PEREZ — Signature — Month Day Year: 04/21/87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name: OSCAR H. PEREZ JR. — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

). Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: WILLIAM B. GIBBLE — Signature — Month Day Year: 04/21/87

86405536

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Health and Welfare Agency

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 0 7 9 5 4 8 5 7 4 2 — Manifest Document No. 17 P B 8

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVENUE
ETIWANDA, CA. 91739

4. Generator's Phone ( ) 714-987-2561

A. State Manifest Document Number: 86405535

B. State Generator's ID: HY HQ 36-006959

5. Transporter 1 Company Name: J.P. Sevices

6. US EPA ID Number: C A D 1 8 1 4 3 4 1 1 1

C. State Transporter's ID: 10703 / 10378

D. Transporter's Phone: (213) 924-7465

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY ROAD
WESTMORELAND, CA.

10. US EPA ID Number: C A D 0 0 0 6 3 3 1 6 4

G. State Facility's ID: CAD 000 633164

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	CM	00030	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PREDISPOSAL EVALUATION #23312

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
GLOVES & GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Robert Zandbergen — Signature: Robert Zandbergen — Month Day Year: 04 04 87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Steve Ruff — Signature: Steve Ruff — Month Day Year: 04 04 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: NORMAN B. GIBBS — Signature: Norman B. Gibbs — Month Day Year: 04 24 87

86405535

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD 097954145 — Manifest Document No. 8171 B15

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVENUE
ETIWANDA, CA. 91739 714-987-2561

4. Generator's Phone ( )

A. State Manifest Document Number: 86405534

B. State Generator's ID: HY HQ 36-006959

5. Transporter 1 Company Name: J.P. Services

6. US EPA ID Number: CAD 981463111

C. State Transporter's ID: 703724

D. Transporter's Phone: (213)424-1465

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY ROAD
WESTMORELAND, CA.

10. US EPA ID Number: CAD 000633164

G. State Facility's ID: CAD000633164

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	CM	00030	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

PREDISPOSAL EVALUATION #23312

K. Handling Codes for Wastes Listed Above: 03

15. Special Handling Instructions and Additional Information

GLOVES AND GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Robert Zandberger — Signature — Month Day Year: 10/4/87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: STEVE RUIZ — Signature — Month Day Year: 10/5/87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

). Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: NORMAN B. GIBBS — Signature — Month Day Year: 10/6/87

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

86405534

State of California—Health and Welfare Agency

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD079548574 Manifest Document No. 11127

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVENUE
ETIWANDA, CA. 91739

4. Generator's Phone ( ) 714-987-2561

A. State Manifest Document Number: 86405533

B. State Generator's ID: HY HQ 36-006959

5. Transporter 1 Company Name: J.P. Services

6. US EPA ID Number: CAD981424111

C. State Transporter's ID: 105724

D. Transporter's Phone: (213)424-1465

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY ROAD
WESTMORELAND, CA.

10. US EPA ID Number: CAD000633164

G. State Facility's ID: CAD000633164

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	CM	000030	Y	491
b.					
c.					
d.					

Additional Descriptions for Materials Listed Above

PREDISPOSAL EVALUATION #23312

K. Handling Codes for Wastes Listed Above: 03

15. Special Handling Instructions and Additional Information

GLOVES AND GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Robert Zandbergen — Signature: Robert Zandbergen — Month Day Year: 04 17 87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: STEVE RUFFIN — Signature: Steve Ruffin — Month Day Year: 04 21 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

J. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: William R. Cobb — Signature: William R. Cobb — Month Day Year: 04 21 87

86405533

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Health and Welfare Agency

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 0 7 9 5 4 8 5 7 4 — Manifest Document No. 617163

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVENUE
ETIWANDA, CA. 91739
4. Generator's Phone ( ) 714-987-2561

A. State Manifest Document Number: 86405532

B. State Generator's ID: HY HQ 36-006959

5. Transporter 1 Company Name: J.P. Transport — 6. US EPA ID Number: C A D 0 9 8 1 4 3 4 1 1 1 1

C. State Transporter's ID: 707033

D. Transporter's Phone: (213)424-1465

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY ROAD
WESTMORELAND, CA.
10. US EPA ID Number: C A D 0 0 0 6 3 3 1 6 4

G. State Facility's ID: CAD000633164

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID NOS ORM-E NA 9189	001	CM	00030	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PREDISPOSAL EVALUATION #23312

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
GLOVES AND GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

GENERATOR

Printed/Typed Name	Signature	Month	Day	Year
Robert Zandbergen	Robert Zandbergen	04	25	87

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Steve Purcell		04	25	87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

TRANSPORTER

19. Discrepancy Indication Space

FACILITY

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
William B. Lowell	William B. Lowell	04	27	87

86405532

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 0 7 9 5 4 8 5 7 4 — Manifest Document No. 8 V 1 8 R

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVENUE
ETIWANDA, CA. 91739 714-987-2561

4. Generator's Phone ( )

A. State Manifest Document Number: 8640553 1

B. State Generator's ID: HY HQ 36-006959

5. Transporter 1 Company Name: J P Transport

6. US EPA ID Number: C A D 9 8 1 8 8 4 1 1

C. State Transporter's ID: 107053

D. Transporter's Phone: (213)424-1465

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY ROAD
WESTMORELAND, CA.

10. US EPA ID Number: C A D 0 0 0 6 3 3 1 6 4

G. State Facility's ID: CAD 000 633 164

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTESSOLID N.O.S. ORM-E NA 9189	001	CM	04000	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PREDISPOSAL EVALUATION #23312

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
GLOVES AND GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name	Signature	Month	Day	Year
Robert Zandbergen	Robert Zandbergen	01	23	87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
STEVEN RUFFIN		01	23	87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
NORMAN B CARLSON		01	23	87

8640553 1

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Health and Welfare Agency

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C|A|D|0|7|9|5|4|8|5|7|4 — Manifest Document No. 2|7|7|3|7

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVENUE
ETIWANDA, CA. 91739

4. Generator's Phone ( ) 714-987-2561

A. State Manifest Document Number: 86405530

B. State Generator's ID: HY HQ 36-006959

5. Transporter 1 Company Name: J.P. Service Inc. — 6. US EPA ID Number: C|A|R|1|8|V|H|3|H|V|V

C. State Transporter's ID: 703124

D. Transporter's Phone: 2134241465

7. Transporter 2 Company Name — 8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY ROAD
WESTMORELAND, CA.

10. US EPA ID Number: C|A|D|0|0|0|6|3|3|1|6|4

G. State Facility's ID: CADOOO633164

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	CM	00130	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PREDISPOSAL EVALUATION #23312

K. Handling Codes for Wastes Listed Above: 03

15. Special Handling Instructions and Additional Information
GLOVES & GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Robert Zandbergen — Signature: Robert Zandbergen — Month Day Year: 0 7 1 5 8 7

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: Steven Ruffo — Signature: Steve Ruffo — Month Day Year: 0 7 1 5 8 7

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: Norman B. Gimple — Signature: Norm B. Gimple — Month Day Year: 0 7 1 5 8 7

86405530

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW- TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Health and Welfare Agency

Department of Health Services
Toxic Substances Control Division
Sacramento, California

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 0 7 9 5 4 8 5 7 4 — Manifest Document No.

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVENUE
ETIWANDA, CA. 91739 714-987-2561

4. Generator's Phone ( )

A. State Manifest Document Number: 86405528

B. State Generator's ID: HY HQ 36-996959

5. Transporter 1 Company Name: J.P. Transport

6. US EPA ID Number: CAD981383777

C. State Transporter's ID: 707033

D. Transporter's Phone: 213 624-1465

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY ROAD
WESTMORELAND, CA.

10. US EPA ID Number: C A D 0 0 0 6 3 3 1 6 4

G. State Facility's ID: CAD000 633164

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189					491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PREDISPOSAL EVALUATION #23312

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
GLOVES AND GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name | Signature | Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: STEVE RUCKER | Signature | Month Day Year: 04 22 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: NORMAN B. GIBBENS | Signature: Norman B. Gibbens | Month Day Year: 04 23 87

86405528

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Health and Welfare Agency

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD079548574 — Manifest Document No.

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
SOUTHERN CAL. EDISON
8996 ETIWANDA AVENUE
ETIWANDA, CA. 91739

4. Generator's Phone ( ) 714-987-2561

A. State Manifest Document Number: 86405527

B. State Generator's ID: HY HQ 36-006959

5. Transporter 1 Company Name: [illegible]

6. US EPA ID Number: CAD[illegible]

C. State Transporter's ID: 703724

D. Transporter's Phone: 213 [illegible]-7465

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY ROAD
WESTMORELAND, CA.

10. US EPA ID Number: CAD000633164

G. State Facility's ID: CAD000633164

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	1	CM	1	3	491
b.					
c.					
d.					

Additional Descriptions for Materials Listed Above

PREDISPOSAL EVALUATION #23312

K. Handling Codes for Wastes Listed Above: 03

15. Special Handling Instructions and Additional Information

GLOVES AND GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: [illegible] — Signature: [illegible] — Month Day Year

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: [illegible] — Signature: [illegible] — Month Day Year: 08 22 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

). Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: NORMAN B. GIBBENS — Signature: Norman B Gibbens — Month Day Year: 08 22 87

86405527

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Health and Welfare Agency

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 0 7 9 5 4 8 5 7 4 — Manifest Document No.

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
WOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVENUE
ETIWANDA, CA. 91739

4. Generator's Phone ( ) 714-987-2561

A. State Manifest Document Number: 86405525

B. State Generator's ID: HY HQ 36-006959

5. Transporter 1 Company Name: J.F. Transport

6. US EPA ID Number: CADOFVAFAIVV

C. State Transporter's ID: 701033

D. Transporter's Phone: (213)429-146[illegible]

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY ROAD
WESTMORELAND, CA.

10. US EPA ID Number: C A D 0 0 0 6 3 3 1 6 4

G. State Facility's ID

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	CM	00020	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

PREDISPOSAL EVALUATION #23312

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GLOVES AND GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Robert Zundgren — Signature — Month Day Year: 04 01 87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year: 04 01 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

). Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name — Signature — Month Day Year

86405525

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Health and Welfare Agency

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.: C A D 0 7 9 5 4 8 5 7 4 | Manifest Document No.: 1717

2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SOUTHERN CALIFORNIA EDISON
8996 ETIWANDA AVENUE
ETIWANDA, CA 91739

4. Generator's Phone: 714-987-2561

A. State Manifest Document Number: 86405524

B. State Generator's ID: HY HO 36-006959

5. Transporter 1 Company Name: J.P. Transport

6. US EPA ID Number: CAD 981 484 777

C. State Transporter's ID: 703724

D. Transporter's Phone: (213) 424-1465

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY ROAD
WESTMORELAND, CA.

10. US EPA ID Number: C A D 0 0 0 6 3 3 1 6 4

G. State Facility's ID: CAD 000 633 164

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	CM	01000	P Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PREDISPOSAL EVALUATION #23312

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
GLOVES AND GOGGLES

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name	Signature	Month	Day	Year
Robert Zandbergen	Robert Zandbergen	09	11	87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Steve Ruffin	Steve Ruffin	09	11	87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
Norman B Cubell	Norman B Cubell	09	14	87

86 405524

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Health and Welfare Age

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 0 7 9 5 4 8 5 7 4 | Manifest Document No. 2 1 1 1 3

2. Page 1 of | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SO. CAL. EDISON
8996 ETIWANDA AVE.
ETIWANDA, CA. 91739 714-987-2561

4. Generator's Phone ( )

A. State Manifest Document Number: 86405523

B. State Generator's ID: HY HQ 36-006959

5. Transporter 1 Company Name: JP TRANSPORT

6. US EPA ID Number: C A D 9 8 1 4 3 4 1 1 1

C. State Transporter's ID

D. Transporter's Phone: (213)424-1405

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID: 105129

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY RD.
WESTMORELAND, CA.

10. US EPA ID Number: C A D 0 0 0 6 3 3 1 6 4

G. State Facility's ID: CAD000633164

H. Facility's Phone: 619-34489400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	CM	00030	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PREDISPOSAL EVALUATION # 23312

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
LOV
GLOVES & GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

GENERATOR — Printed/Typed Name: [illegible] | Signature: [signature] | Month Day Year: 01 [illegible]

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: [illegible] | Signature: [signature] | Month Day Year: [illegible]

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.
Printed/Typed Name: NORMAN B GIBBLE | Signature: [signature] | Month Day Year: [illegible]

86405523

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Health and Welfare Agency

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD009648574 Manifest Document No. 817112

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
SO. CAL. EDISON
8996 ETIWANDA AVE.
ETIWANDA, CA. 91739

4. Generator's Phone ( ) 714-987-2561

A. State Manifest Document Number: 86405522

B. State Generator's ID: HY HQ 36-006959

5. Transporter 1 Company Name: JP TRANSPORT

6. US EPA ID Number: CAD981434111

C. State Transporter's ID: 711058/703

D. Transporter's Phone: (213) 424-1461

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY RD,
WESTMORELAND, CA.

10. US EPA ID Number: CAD000633164

G. State Facility's ID: CAD000633164

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	CM	00030	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PREDISPOSAL EVALUATION # 23312

K. Handling Codes for Wastes Listed Above
03/D80

15. Special Handling Instructions and Additional Information
GLOVES & GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Robert Zundbergen — Signature: Robert Zundbergen — Month Day Year: 04 11 87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JIMMY L. WOOD — Signature: Jimmy L. Wood — Month Day Year: 04 17 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name — Signature — Month Day Year

86405522

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Health and Welfare Agei

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 0 7 9 5 4 8 5 7 1 4 — Manifest Document No. 8 7 1 1 1

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SO. CAL. EDISON
8996 ETIWANDA AVE.
ETIWANDA, CA. 91739

4. Generator's Phone ( ) 714-987-2561

A. State Manifest Document Number: 8640521

B. State Generator's ID: HY HQ 36-0088989

5. Transporter 1 Company Name: HP TRANSPORT

6. US EPA ID Number: C A D 0 0 0 6 3 3 1 6 4

C. State Transporter's ID: 1C3997

D. Transporter's Phone: (213)427-1965

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY RD.
WESTMORELAND, CA.

10. US EPA ID Number: C A D 0 0 0 6 3 3 1 6 4

G. State Facility's ID: CAD 000633164

H. Facility's Phone: 619-344-9500

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	CM	00030	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

PREDISPOSAL EVALUATION # 23312

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GLOVES &GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name	Signature	Month	Day	Year
Robert Zandbergen	Robert Zandbergen	04	13	87

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
JIMMY L WOOD	Jimmy L Wood	04	13	87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

J. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR

TRANSPORTER

FACILITY

8640521

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW GENERATOR RETAINS

State of California—Health and Welfare Agency
Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD079548657 Manifest Document No. 8171170

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
D. CAL. EDISON
9996 ETIWANDA AVE.
ETIWANDA, CA. 91739 714-987-2561
Generator's Phone

A. State Manifest Document Number: 86405520
B. State Generator's ID: HY HQ 35-006959

5. Transporter 1 Company Name: JP TRANSPORT
6. US EPA ID Number: CAD982141111
C. State Transporter's ID: 703425
D. Transporter's Phone: 213/424-1465

7. Transporter 2 Company Name
8. US EPA ID Number
E. State Transporter's ID
F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVYE RD.
WESTMORELAND, CA.
10. US EPA ID Number: CAD000633164
G. State Facility's ID: CAD000633164
H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDUS WASTESOLID N.O.S. ORM-E NA 9189	0101	CM	010030	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PREDISPOSAL EVALUATION # 23312

K. Handling Codes for Wastes Listed Above
03

15. Special Handling Instructions and Additional Information
GLOVES & GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.
Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name	Signature	Month	Day	Year
Robert Zandbergen	Robert Zandbergen	04	13	87

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
JIMMY L. WOOD	Jimmy L. Wood	04	14	87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year
NORMAN B. GIBSON	Norman B. Gibson	04	16	87

GENERATOR / TRANSPORTER / FACILITY

86405520

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

COPY

State of California—Health and Welfare Agei

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 0 7 9 5 4 8 5 7 4 Manifest Document No. 5 1 6 1

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SO. CAL. EDISON
8996 ETIWANDA AVE.
ETIWANDA, CA. 91739 714-987-2561

4. Generator's Phone ( )

A. State Manifest Document Number **86405519**

B. State Generator's ID HYHHQ 360006959

5. Transporter 1 Company Name
JP TRANSPORT

6. US EPA ID Number C A D 9 8 1 4 3 4 1 1 1

C. State Transporter's ID 703404

D. Transporter's Phone (213)424-1465

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 88, GARVEY RD.
WESTMORELAND, CA.

10. US EPA ID Number C C A D 0 0 0 0 6 3 3 1 6 4

G. State Facility's ID

H. Facility's Phone 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	CM	00030	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PREDISPOSAL EVALUATION # 23312

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
GLOVES & GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

GENERATOR

Printed/Typed Name: Robert Zandbergen — Signature — Month 04 Day 15 Year 87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month 04 Day 15 Year 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name — Signature — Month Day Year

86405519

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW GENERATOR RETAINS

State of California—Health and Welfare Age

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health
Toxic Substances Control Divisio
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C|A|D|0|7|9|6|4|8|5|7|4 — Manifest Document No. 8517168

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
SOUTHERN CAL. EDISON
8996 ETIWANDA AVE.
ETIWANDA, CA. 91739

4. Generator's Phone: 714-987-2561

A. State Manifest Document Number: 86405518

B. State Generator's ID: HY HQ 36-006959

5. Transporter 1 Company Name: JP TRANSPORT

6. US EPA ID Number: CA D 0 0 1 4 3 4 1 1 1

C. State Transporter's ID: 703998

D. Transporter's Phone: 213/24[illegible]-1965

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY RD.
WESTMORELAND, CA.

10. US EPA ID Number: C A D 0 0 0 6 3 3 1 6 4

G. State Facility's ID

H. Facility's Phone: 619-244-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 8189	001	CM	000130	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PREDISPOSAL EVALUATION # 23312

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
GLOVES & GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name	Signature	Month	Day	Year
Robert Zandbergen	Robert Zandbergen	04	13	87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	04	13	87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

86405518

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW GENERATOR RETAINS

State of California—Health and Welfare Ag

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD079548574 Manifest Document No. 87176

2. Page 1 of 1

Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
SO. CAL. EDISON
8996 ETIWANDA AVE.
ETIWANDAM CA. 91739

4. Generator's Phone ( ) 714-987-2561

A. State Manifest Document Number 86405517

B. State Generator's ID HY QH 35-006099

5. Transporter 1 Company Name: JP TRANSPORT

6. US EPA ID Number: CAD981434111

C. State Transporter's ID 79204/1012

D. Transporter's Phone (213)424-1465

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY RD.
WESTMORELAND, CA

10. US EPA ID Number: CAD000633164

G. State Facility's ID CAD000633164

H. Facility's Phone 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	CM	00030	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

PREDIPSOSAL EVALUATION # 23312

K. Handling Codes for Wastes Listed Above

03/D80

15. Special Handling Instructions and Additional Information

GLOVES & GOGGLES

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Robert Landbergen

Signature: Robert Landbergen

Month Day Year: 04 15 87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JIMMY L. WOOD

Signature: Jimmy L. Wood

Month Day Year: 04 15 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name

Signature

Month Day Year

86405517

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW: TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Health and Welfare Agei

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD079588574 | Manifest Document No. 17116 | 2. Page 1 of 1 | Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SO. CAL. EDISON
8996 ETIWANDA AVE.
ETIWANDA, CA 91739
4. Generator's Phone (714-987-2561

A. State Manifest Document Number: 86405516

B. State Generator's ID: HY HQ 36-006959

5. Transporter 1 Company Name: JP TRANSPORT
6. US EPA ID Number: CAD988143411

C. State Transporter's ID: 76702

D. Transporter's Phone: (213)424-1465

7. Transporter 2 Company Name
8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVEY RD.
WESTMORELAND, CA.
10. US EPA ID Number: CAD000633164

G. State Facility's ID: CAD000633164

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID NOOS$. ORM-E NA 9189	001	M	00130	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

PREDISPOSAL EVALUATION # 23312

K. Handling Codes for Wastes Listed Above

03

15. Special Handling Instructions and Additional Information

GLOVES & GOGGEES

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

GENERATOR

Printed/Typed Name: Robert Zandbergen | Signature: Robert Zandbergen | Month Day Year: 10/11/87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: JIMMY L. WOOD | Signature: Jimmy L. Wood | Month Day Year: 10/11/87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name | Signature | Month Day Year

FACILITY

19. Discrepancy Indication Space

). Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name: William B. Lee | Signature: William B. Lee | Month Day Year: 10/15/87

86405516

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW TSDF SENDS THIS COPY TO GENERATOR WITHIN 30 DAYS

State of California—Health and Welfare Age

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 0 7 9 5 4 8 5 7 4 — Manifest Document No.

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
SO. CAL. EDISON
8996 ETIWAND AVE.
ETIWANDA + CA. 91739

4. Generator's Phone ( ) 714-987-2561

A. State Manifest Document Number: 8640515

B. State Generator's ID: HY HQ 36-006959 -

5. Transporter 1 Company Name: JP TRANSPORT

6. US EPA ID Number: C A D 9 8 1 4 3 4 1 1 1

C. State Transporter's ID: 103428

D. Transporter's Phone: (213) 424-1465

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5295 SO. GARVE RD.
WESTMORELAND, CA.

10. US EPA ID Number: C A D 0 0 0 6 3 3 1 6 4

G. State Facility's ID: CAD000633164

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E BA 9189	001	CM	00030	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above

PREDISPOSAL EVALUATION $ 23312

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information

GLOVES & GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name	Signature	Month	Day	Year
Robert Zandbergen		04	07	87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
J. MAY L WOLD		04	09	87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

). Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

8640515

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW GENERATOR RETAINS

State of California—Health and Welfare Age

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. C A D 0 1 7 9 5 4 8 5 7 1 4 — Manifest Document No. 5 1 7 1 6 1 7

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

GENERATOR

3. Generator's Name and Mailing Address
SO. CAL. EDISON
8996 ETIWANDA AVE. STAT
ETIWANDA, CA. 91739

4. Generator's Phone ( ) 7140987-2561

A. State Manifest Document Number: 86405514

B. State Generator's ID: HY HQ 36-006959

5. Transporter 1 Company Name: JP TRANSPORT

6. US EPA ID Number: C A D 0 8 8 0 6 3 8 1 1 6 1 4

C. State Transporter's ID: 703401

D. Transporter's Phone: 213424-1465

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IR CORPORATION 8
5295 NO. GARVEY RD,
WESTMORELAND, CA

10. US EPA ID Number: C A D 0 0 0 6 3 3 1 6 4

G. State Facility's ID: CAD000633164

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID N.O.S. ORM-E NA 9189	001	M	00030	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PREDISPOSAL EVALUATION # 23312

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
GLOVES & GOGGES:

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name: Robert Sandberger — Signature: Robert Sandberger — Month Day Year: 10 4 0 7 8 7

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: [illegible] — Signature: [illegible] — Month Day Year: 10 4 0 7 8 7

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name — Signature — Month Day Year

86405514

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW GENERATOR RETAINS

State of California—Health and Welfare Age

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD079588574 — Manifest Document No. 17185

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SO. CAL. EDISON
8995 ETIWANDA AVE.
ETIWAND, CA, 91739

4. Generator's Phone ( ) 714-987-2561

A. State Manifest Document Number: 86405513

B. State Generator's ID: HY HQ 36-000959

5. Transporter 1 Company Name: JP TRANSPORT

6. US EPA ID Number: CAD981434111

C. State Transporter's ID: 703724

D. Transporter's Phone: (619)724-1465

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5285 SO. GARVEY RD.
WESTMORELAND, CCA.

10. US EPA ID Number: CAD000633164

G. State Facility's ID: CAD000633164

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	12. Containers Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID NO.S. ORM-E NA 9189	001	CM	00030	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PREDISPOSAL EVALUATION # 23312

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
GLOVES &GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Printed/Typed Name	Signature	Month	Day	Year
Robert Zandbergen	Robert Zandbergen	04	27	87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	04	10	87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name	Signature	Month	Day	Year

86405513

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW GENERATOR RETAINS

State of California—Health and Welfare Age

Please print or type. *(Form designed for use on elite (12-pitch) typewriter.)*

Department of Health Services
Toxic Substances Control Division
Sacramento, California

UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAD079548574 — Manifest Document No. 2/1/16

2. Page 1 of 1 — Information in the shaded areas is not required by Federal law.

3. Generator's Name and Mailing Address
SO. CAL. EDISON
8996 ETIWANDA AVE.
ETIWANDA, CA. 91739

4. Generator's Phone 714-987-2561

A. State Manifest Document Number: 86405512

B. State Generator's ID: HY HQ 36-006959

5. Transporter 1 Company Name: JP TRAMSPORT

6. US EPA ID Number: CAAD981434111

C. State Transporter's ID: 107033

D. Transporter's Phone: 213 424-1465

7. Transporter 2 Company Name

8. US EPA ID Number

E. State Transporter's ID

F. Transporter's Phone

9. Designated Facility Name and Site Address
IT CORPORATION
5185 SO. GARVEY RD.
WESTMORELAND, CA.

10. US EPA ID Number: CAAD006331164

G. State Facility's ID: CAD000633164

H. Facility's Phone: 619-344-9400

11. US DOT Description *(Including Proper Shipping Name, Hazard Class, and ID Number)*	12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	I. Waste No.
a. HAZARDOUS WASTE SOLID NOS. ORM-E NA 9189	001	M	00030	Y	491
b.					
c.					
d.					

J. Additional Descriptions for Materials Listed Above
PREDISPOSAL EVALUATION # 23312

K. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
GLOVES & GOGGLES

16. **GENERATOR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

GENERATOR

Printed/Typed Name: Robert Zundbergen — Signature: Robert Zundbergen — Month Day Year: 01 09 87

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year: 01 09 87

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name — Signature — Month Day Year

FACILITY

19. Discrepancy Indication Space

). Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.

Printed/Typed Name — Signature — Month Day Year

86405512

DHS 8022 A (11/85)
(EPA 8700—22)

YELLOW GENERATOR RETAINS

Southern California Edison Company

P. O. BOX 800
2244 WALNUT GROVE AVENUE
ROSEMEAD, CALIFORNIA 91770

March 24, 1987

Ms. Judy Ortong
San Bernardino County Environmental
and Health Services
385 North Arrowhead Avenue
San Bernardino, CA 92415-0160

Madam:

Southern California Edison has been granted a Hazardous Waste Facility Permit Variance by the Department of Health Services to allow on-site treatment of liquid hazardous wastes. These wastes are generated from the chemical cleaning of internal boiler surfaces at our various generating stations. The on-site treatment is accomplished through the use of a mobile treatment unit. The treatment consists of neutralization of the waste and precipitation of metal components in the waste.

Our variance requires notification to your office seven (7) days prior to the commencement of any treatment operation at a site located within your jurisdiction. This letter satisfies our notification requirement for the following site:

File C

- Cool Water Generating Station (CAD000630905) treatment of wastes generated from the chemical cleaning of Unit 2 will commence on Monday, April 13, 1987.

The sludge generated from the treatment process will be dewatered and disposed at an approved Class I disposal site. The non-hazardous supernatant from the treatment process will be discharged in accordance with regulations imposed by the generating stations' National Pollutant Discharge Elimination System Permits issued by the California Regional Water Quality Control Board, Los Angeles Region.

Cordially,

Frank L. Melone

Frank L. Melone

cc: John A. Hinton, Dept. of Health Services
Jim Ruck, Dowell Schlumberger

STATE OF CALIFORNIA—HEALTH AND WELFARE AG

GEORGE DEUKMEJIAN, Governor

DEPARTMENT OF HEALTH SERVICES
107 SOUTH BROADWAY, ROOM 7011
LOS ANGELES, CA 90012
(213) 620-2380

January 29, 1987

Mr. Frank Melone
Southern California Edison
P.O. Box 800
2244 Walnut Grove Avenue
Rosemead, CA 91770

Dear Mr. Melone:

HAZARDOUS WASTE FACILITY PERMIT VARIANCE: SOUTHERN CALIFORNIA EDISON

On January 29, 1987 you applied to the Department of Health Services for a variance from the Hazardous Waste Facility Permit requirements for on-site treatment.

Your request is granted based on the information furnished and with the following conditions:

1. This variance allows on-site treatment of your liquid hazardous waste at qualifying Southern California Edison Generating Stations. The qualifying stations are:

o Alamitos Station, Long Beach	(CAD000694795)
o Coolwater Station, Daggett	(CAD000630905)
o El Segundo Station, El Segundo	(CAD000630962)
o Etiwanda Station, Etiwanda	(CAD079548574)
o Huntington Beach Station, Huntington Beach	(CAD000631085)
o Mandalay Station, Mandalay	(CAD000630913)
o Ormond Beach Station, Ormond Beach	(CAD000637036)
o Redondo Station, Redondo Beach	(CAD000631093)

2. This is a limited term variance which is valid for a maximum of 180 days from the date of issuance, and prohibits treatment at any qualifying station for more than ninety (90) days.

3. Southern California Edison may use the mobile treatment services of Dowell Schlumberger of Torrance, California.

4. All operations shall be conducted to minimize potential harm to the workers, the public and the environment.

5. Unless analyses shows otherwise, all materials, wastes, residues, and discharges shall be considered hazardous, and shall be managed according to applicable State, Federal and local regulations.

6. The Department and Local Health Agencies shall be notified of the intent to begin work at a qualifying site at least seven (7) days prior to any treatment operation taking place. Exception to this shall be determined by those agencies with those agencies with applicable jurisdiction.

This variance is granted to Southern California Edison in accordance with the California Administrative Code, Division 4, Chapter 30, Title 22, Section 66310. This variance is only for the requirements of Hazardous Waste Facility Permits. All other laws and regulations relating to hazardous waste apply to the facility. A copy of this variance must remain at the facility.

If you have any questions, please contact Charles Humphrey of my staff.

Sincerely,

for John A. Hinton, P.E., Chief
Facility Permitting Unit
Southern California Section
Toxic Substances Control Division

JAH:CH:kap

cc: Wayne Tsuda
Los Angeles County Health Department
Hazardous Waste Control Program
2615 S. Grand Ave., 6th Floor
Los Angeles, CA 90007

John Hills
Orange County Health Care Agency
Public Health and Medical Division
Waste Management Branch
Division of Environmental Health
1725 West 17th Street
Santa Ana, CA 92702

Judy Ortong
San Bernardino County Environmental
And Health Services
385 North Arrowhead Avenue
San Bernardino, CA 92415-0160

Todd Collart
Ventura County Planning Department
800 S. Victoria Avenue
Ventura, CA 93009

HAZARDOUS WASTE & TOXICS CONTROL

SCE ETIWANDA POWER PLANT
COMPANY NAME

PO. 928- PARAMOUNT. CA 90723
ADDRESS MAILING ADDRESS

RALPH ESQUEDA
CONTACT POSITION PHONE

DATE DISCUSSION:

SCE HAS REQUESTED TO DISPOSE OF A NUMBER OF DRUMS OF DRILLING CUTTINGS

THE SAMPLE ANALYSIS IS ATTACHED-

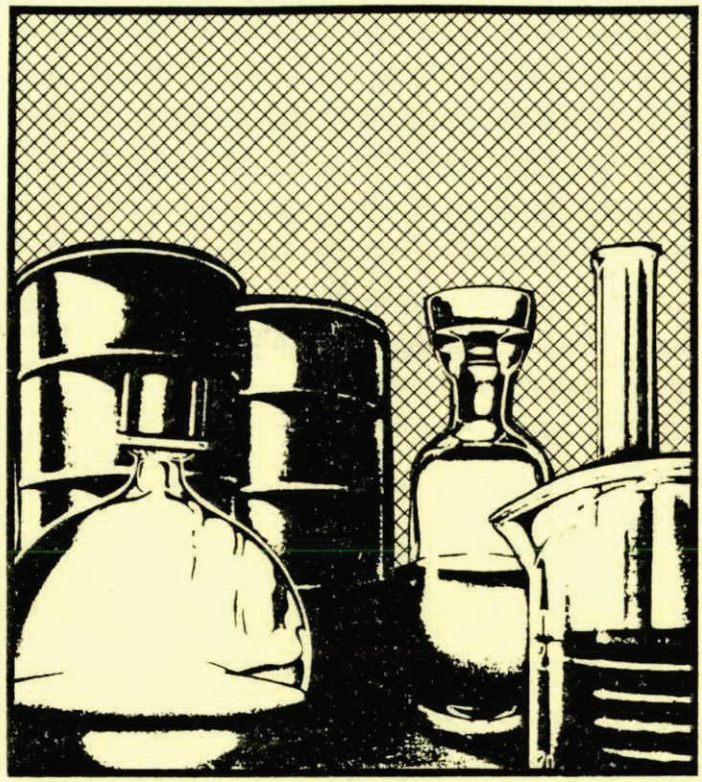
SARWQCB APPROVAL IS REQUIRED PRIOR TO.

NO REASON HAS BEEN GIVEN AS TO WHY THEY CANT PUT THE CUTTINGS BACK ON THE GROUND AT THE ORIGINAL SITE OF EXCAVATION.

835-6886
SARKIS TATUSIAN OF WOODWARD & CLYDE WILL INVESTIGATE RESULTS. - ALL TTLC
ALL ORGANICS LESS THAN MEASURABLE.
W/C INDICATES THAT THEY ARE VERY SIMILAR TO COMMON BACKGROUND SOIL SAMPLES.
~~WOODWARD & CLY~~
MONTGOMERY LABS INDICATES THE LEVELS WERE STLCs

Brierty /
INSPECTOR DATE

The League of Women Voters of Redands and
San Bernardino County Environmental Health Services
co-sponsors



TOXICS ROUND UP

Household Hazardous Wastes Collection

Saturday, March 24
9 am - 3 pm
Old City Yard
Texas and Oriental Streets,
Redlands

At no charge, we will accept the following substances for collection:

Household Cleaners
Auto and Furniture Polish
Paints and Paint Thinner
Pesticides
Fertilizers
Chemical Drain Cleaners
Weed Killers
Wood Preservatives

No Motor Oil or Anti-Freeze
(Contact your local Service Station)

This project partially funded by a grant from the League of Women Voters Education Fund.

A chemist and other safety and technical assistance will be available on site during the Toxics Round Up.

For more information: SB C[redacted]y EHS 383-3498

4-18-86

MONTGOMERY LABORATORIES
a division of James M. Montgomery, Consulting Engineers, Inc.
555 East Walnut Street, Pasadena, California 91101
(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of Inorganic Analyses
CAM STLC

Southern California Edison Co.
P. O. Box 928
Paramount, CA 90723
Attn: Ralph M. Esqueda

Job#/PO#: 437.0320
Workorder#: W06367
Report#: R24667
Phone #:

Date Sampled:
Date Completed: 3/26/86

Date Received: 2/12/86

Lab#	Sample I.D.	Ba mg/l	Cr VI mg/l
G22736	SOIL-88872 (STLC)	9.5	<0.015
G22737	SOIL-88873 (STLC)	11	<0.015

NA: Not Analyzed

Approved by A Eaton

MAR 2 7 1986

APPROVED
QC OFFICER

MONTGOMERY LABORATORIES
a division of James M. Montgomery, Consulting Engineers, Inc.
555 East Walnut Street, Pasadena, California 91101
(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of Inorganic Analyses
CAM STLC

Southern California Edison Co.
P. O. Box 928
Paramount, CA 90723
Attn: Ralph M. Esqueda

Job#/PO#: 437.0320
Workorder#: W06367
Report#: R24669
Phone #:

Date Sampled:
Date Completed: 3/26/86

Date Received: 2/12/86

Lab#	Sample I.D.	Ba mg/l	As mg/l	Cr VI mg/l
G22738	SOIL-89402 (STLC)	0.74	<0.002	<0.015
G22739	SOIL-89405 (STLC)	0.60	<0.002	<0.015

NA: Not Analyzed

Approved by A Eaton

MAR 27 1986

APPROVED
QC OFFICER

MONTGOMERY LABORATORIES
a division of James M. Montgomery, Consulting Engineers, Inc.
555 East Walnut Street, Pasadena, California 91101
(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of Inorganic Analyses
CAM STLC

Southern California Edison Co.
P. O. Box 928
Paramount, CA 90723
Attn: Ralph M. Esqueda

Job#/PO#: 437.0320
Workorder#: W06367
Report#: R24671
Phone #:

Date Sampled: 8/17/86
Date Completed: 3/26/86

Date Received: 2/12/86

Lab#	Sample I.D.	As mg/l	Cr VI mg/l
G22740	SOIL-89148 (STLC)	0.012	<0.015
G22741	SOIL-89403 (STLC)	0.014	<0.015
G22742	SOIL-89404 (STLC)	0.014	<0.015

NA: Not Analyzed

Approved by A Eaton

MAR 27 1986

APPROVED
QC OFFICER

MONTGOMERY LABORATORIES
a division of James M. Montgomery, Consulting Engineers, Inc.
555 East Walnut Street, Pasadena, California 91101
(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of Metals

SCE/Woodward-Clyde
203 N. Golden Circle Dr.
Santa Ana, CA 92705
Attn: Mike Gemel

Job#/PO#: 120.0150
Workorder#: W04277
Report#: R15360
Phone #: 714-835-6886

Date Sampled: 8/12/85
Date Completed: 9/19/85

Date Received: 8/15/85

Lab#	Sample I.D.	Ag mg/kg	As mg/kg	Al mg/kg	Ba mg/kg	Be mg/kg
88872	B-1-1-3 THRU B-1-20-3	<0.50	3.4	6800	120	0.59

Lab#	Sample I.D.	Cd mg/kg	Cr (Total) mg/kg	Co mg/kg	Cu mg/kg	Hg mg/kg
88872	B-1-1-3 THRU B-1-20-3	<0.30	11	5.5	9.9	<0.03

Lab#	Sample I.D.	Mo mg/kg	Ni mg/kg	Pb mg/kg	Se mg/kg	Sb mg/kg
88872	B-1-1-3 THRU B-1-20-3	1.1	8.4	<5.0	<0.079	<0.15

Lab#	Sample I.D.	Tl mg/kg	Zn mg/kg	V mg/kg
88872	B-1-1-3 THRU B-1-20-3	<0.53	41	20

APPROVED
QC OFFICER

NA: Not Analyzed

Approved by _____

SEP 19 1985

MONTGOMERY LABORATORIES
a division of James M. Montgomery, Consulting Engineers, Inc.
555 East Walnut Street, Pasadena, California 91101
(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of Metals

SCE/Woodward-Clyde
203 N. Golden Circle Dr.
Santa Ana, CA 92705
Attn: Mike Gemel

Job#/PO#: 120.0150
Workorder#: W04277
Report#: R15361
Phone #: 714-835-6886

Date Sampled: 8/12/85
Date Completed: 9/19/85

Date Received: 8/15/85

Lab#	Sample I.D.	Ag mg/kg	As mg/kg	Al mg/kg	Ba mg/kg	Be mg/kg
886873	B-2-1-3 THRU B-2-20-3	<0.50	2.2	5300	110	0.50

Lab#	Sample I.D.	Cd mg/kg	Total Cr mg/kg	Co mg/kg	Cu mg/kg	Hg mg/kg
886873	B-2-1-3 THRU B-2-20-3	<0.30	9.4	4.2	5.9	<0.03

Lab#	Sample I.D.	Mo mg/kg	Ni mg/kg	Pb mg/kg	Se mg/kg	Sb mg/kg
886873	B-2-1-3 THRU B-2-20-3	1.0	5.8	<5.0	<0.080	<0.15

Lab#	Sample I.D.	Tl mg/kg	Zn mg/kg	V mg/kg
886873	B-2-1-3 THRU B-2-20-3	<0.54	35	15

APPROVED
QC OFFICER

NA: Not Analyzed

Approved by _____

SEP 19 1985

MONTGOMERY LABORATORIES
a division of James M. Montgomery, Consulting Engineers, Inc.
555 East Walnut Street, Pasadena, California 91101
(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of Metals

SCE/Woodward-Clyde
203 N. Golden Circle Dr.
Santa Ana, CA 92705
Attn: Mike Gemel

Job#/PO#: 120.0150
Workorder#: W04322
Report#: R15529
Phone #: 714-835-6886

Date Sampled: 8/14/85
Date Completed: 9/23/85

Date Received: 8/20/85

Lab#	Sample I.D.	Ag mg/kg	As mg/kg	Al mg/kg	Ba mg/kg	Be mg/kg	Cd mg/kg
F89148	B-3-1-3 THRU B-3-19-3	<0.49	7.4	7500	17	<0.39	<0.29

Lab#	Sample I.D.	Total Cr mg/kg	Co mg/kg	Cu mg/kg	Hg mg/kg	Mo mg/kg	Ni mg/kg
F89148	B-3-1-3 THRU B-3-19-3	6.7	5.8	6.8	<0.03	<0.97	5.0

Lab#	Sample I.D.	Pb mg/kg	Se mg/kg	Sb mg/kg	Tl mg/kg	Zn mg/kg	V mg/kg
F89148	B-3-1-3 THRU B-3-19-3	<4.9	<7.8	<0.15	<0.52	33	23

APPROVED
QC OFFICER

NA: Not Analyzed

Approved by [signature]
SEP 24 1985

MONTGOMERY LABORATORIES
a division of James M. Montgomery, Consulting Engineers, Inc.
555 East Walnut Street, Pasadena, California 91101
(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of Metals - TTLC

SCE/Woodward-Clyde
203 N. Golden Circle Dr.
Santa Ana, CA 92705
Attn: Mike Gemel

Job#/PO#: 120.0150
Workorder#: W04350
Report#: R15681
Phone #: 714-835-6886

Date Sampled: 8/20/85
Date Completed: 9/20/85

Date Received: 8/22/85

Lab#	Sample I.D.	Ag mg/kg	As mg/kg	Al mg/kg	Ba mg/kg
F89402	BW1-1-3/BW1-9-3+BW1-10-4/11-4	<0.50	6.8	8600	110

Lab#	Sample I.D.	Be mg/kg	Cd mg/kg	Total Cr mg/kg	Co mg/kg
F89402	BW1-1-3/BW1-9-3+BW1-10-4/11-4	<0.40	<0.30	8.5	<2.6

Lab#	Sample I.D.	Cu mg/kg	Hg mg/kg	Mo mg/kg	Ni mg/kg
F89402	BW1-1-3/BW1-9-3+BW1-10-4/11-4	6.0	<0.03	<1.0	5.0

Lab#	Sample I.D.	Pb mg/kg	Se mg/kg	Sb mg/kg	Tl mg/kg
F89402	BW1-1-3/BW1-9-3+BW1-10-4/11-4	<5.0	<0.080	<0.15	<0.54

Lab#	Sample I.D.	Zn mg/kg	V mg/kg
F89402	BW1-1-3/BW1-9-3+BW1-10-4/11-4	33	<1.5

APPROVED
QC OFFICER

NA: Not Analyzed

Approved by L. Ace

SEP 20 1985

MONTGOMERY LABORATORIES
a division of James M. Montgomery, Consulting Engineers, Inc.
555 East Walnut Street, Pasadena, California 91101
(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of Metals

SCE/Woodward-Clyde
203 N. Golden Circle Dr.
Santa Ana, CA 92705
Attn: Mike Gemel

Job#/PO#: 120.0150
Workorder#: W04350
Report#: R15682
Phone #: 714-835-6886

Date Sampled: 8/20/85
Date Completed: 9/20/85

Date Received: 8/22/85

Lab#	Sample I.D.	Ag mg/kg	As mg/kg	Al mg/kg	Ba mg/kg	Be mg/kg	Cd mg/kg
F89403	BW2-1-3 THRU BW2-7-3	<0.49	7.4	7500	80	<0.49	<0.29

Lab#	Sample I.D.	Total Cr mg/kg	Co mg/kg	Cu mg/kg	Hg mg/kg	Mo mg/kg	Ni mg/kg
F89403	BW2-1-3 THRU BW2-7-3	7.8	<2.5	5.0	<0.03	<0.97	6.0

Lab#	Sample I.D.	Pb mg/kg	Se mg/kg	Sb mg/kg	Tl mg/kg	Zn mg/kg	V mg/kg
F89403	BW2-1-3 THRU BW2-7-3	<4.9	<7.8	<0.15	<0.52	32	<1.5

APPROVED
QC OFFICER

NA: Not Analyzed

Approved by [signature]
SEP 20 1985

MONTGOMERY LABORATORIES
a division of James M. Montgomery, Consulting Engineers, Inc.
555 East Walnut Street, Pasadena, California 91101
(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of Metals

SCE/Woodward-Clyde
203 N. Golden Circle Dr.
Santa Ana, CA 92705
Attn: Mike Gemel

Job#/PO#: 120.0150
Workorder#: W04350
Report#: R15683
Phone #: 714-835-6886

Date Sampled: 8/20/85
Date Completed: 9/20/85

Date Received: 8/22/85

Lab#	Sample I.D.	Ag mg/kg	As mg/kg	Al mg/kg	Ba mg/kg	Be mg/kg
F89404	BW3-1-3/BW3-10-3 + BW3-7-B	<0.50	7.7	7600	96	<0.40

Lab#	Sample I.D.	Cd mg/kg	Total Cr mg/kg	Co mg/kg	Cu mg/kg	Hg mg/kg
F89404	BW3-1-3/BW3-10-3 + BW3-7-B	<0.30	8.4	<2.6	4.5	<0.03

Lab#	Sample I.D.	Mo mg/kg	Ni mg/kg	Pb mg/kg	Se mg/kg	Sb mg/kg
F89404	BW3-1-3/BW3-10-3 + BW3-7-B	<0.99	4.9	<5.0	<7.9	<0.15

Lab#	Sample I.D.	Tl mg/kg	Zn mg/kg	V mg/kg
F89404	BW3-1-3/BW3-10-3 + BW3-7-B	<0.53	29	<1.5

APPROVED
QC OFFICER

NA: Not Analyzed

Approved by [signature]

SEP 20 1985

MONTGOMERY LABORATORIES
a division of James M. Montgomery, Consulting Engineers, Inc.
555 East Walnut Street, Pasadena, California 91101
(818) 796-9141 / (213) 681-4255 Telex 67-5420

Report of Metals

SCE/Woodward-Clyde
203 N. Golden Circle Dr.
Santa Ana, CA 92705
Attn: Mike Gemel

Job#/PO#: 120.0150
Workorder#: W04350
Report#: R15684
Phone #: 714-835-6886

Date Sampled: 8/20/85
Date Completed: 9/20/85

Date Received: 8/22/85

Lab#	Sample I.D.	Ag mg/kg	As mg/kg	Al mg/kg	Ba mg/kg	Be mg/kg
F89405	BW4-1-3/BW4-12-3 + BW4-8-B1	<0.48	7.0	9200	130	0.67

Lab#	Sample I.D.	Cd mg/kg	Tot/ Cr mg/kg	Co mg/kg	Cu mg/kg	Hg mg/kg
F89405	BW4-1-3/BW4-12-3 + BW4-8-B1	<0.29	9.0	<2.5	5.9	<0.03

Lab#	Sample I.D.	Mo mg/kg	Ni mg/kg	Pb mg/kg	Se mg/kg	Sb mg/kg
F89405	BW4-1-3/BW4-12-3 + BW4-8-B1	<0.95	4.7	<4.8	<7.6	<0.14

Lab#	Sample I.D.	Tl mg/kg	Zn mg/kg	V mg/kg
F89405	BW4-1-3/BW4-12-3 + BW4-8-B1	<0.51	33	<1.4

APPROVED
QC OFFICER

NA: Not Analyzed

Approved by G. L. Oak

SEP 20 1985

I TER-OFFICE MEI)

DATE May 2, 1986 PHONE 387-2689

FROM J. E. REDDY, Administrator
Environmental Public Works Agency

TO EPWA DEPUTY ADMINISTRATORS
EPWA DEPARIMENTS

ARLENE

SUBJECT SOUTHERN CALIFORNIA EDISON

The Southern California Edison Company has requested that all correspondence from this agency addressed to the Edison Company be sent to the attention of Emil C. Hutchins, Executive Assistant, P. O. Box 788, Rialto, CA 92376 (phone 714-820-5208).

Please insure that all personnel are made aware of this requirement so that the exchange of correspondence between this agency and the Edison Company can be accomplished in a timely manner.

JEP:nb

cc: Emil C. Hutchins

CC PERMITS
TOXICS
WATER
HOUSING
WASTES.

Place on top of file!

SOUTHERN CALIFORNIA EDISON

FOR ALL FILES

1). Southern California Edison (SCE) has a vairance from DOHS to store PCB's longer than 72 hours; can store for 90 days. SCE plans to remove all PCB's from their facilities by no later than 1987.

2). SCE will not be keeping their manifests at their facilities. (Shield's hauls their waste oil, manifests kept in Alhambra. Clarifier sludge manifests kept in Long Beach. This is for all SCE facilities in California).

We have mutually agreed to the following:

A). SCE will send us copies of all their manifests every year, along with their permit renewal application.

B). To prevent confusion, all renewals and correspondence is to be sent to:

SCE
1190 Durfee Avenue
South El Monte, CA 91733
ATTN: SPECIAL SERVICES

Dwight Barnes (818) 302-6205
George Becker (818) 302-2216

ENVIRONMENTAL HEALTH SERVICES DEPARTMENT

COUNTY OF SAN BERNARDINO, CALIFORNIA

No. 131382

PERMIT

NON-TRANSFERABLE

Fee Paid $ 160.00

DATE: May 24, 1985

PERMIT EXPIRES: MAY 31, 1986

TYPE: HAZ WASTE GENERATOR

DIST/MFR: 220185

Employees
~~XXXXXXXX~~F. 91

THIS PERMIT MAY BE SUSPENDED OR REVOKED BY THE HEALTH OFFICER FOR CAUSE. THIS PERMIT IS GRANTED ON CONDITION THAT THE PERSON NAMED IN THE PERMIT WILL COMPLY WITH THE LAWS, ORDINANCES AND REGULATIONS THAT ARE NOW OR MAY HEREAFTER BE IN FORCE BY THE UNITED STATES GOVERNMENT, THE STATE OF CALIFORNIA AND THE COUNTY OF SAN BERNARDINO PERTAINING TO THE ABOVE MENTIONED BUSINESS. PENALTY FEES ARE ASSESSED ON PERMITS RENEWED 30 DAYS AFTER EXPIRATION DATE INDICATED ABOVE, OR FOR FAILURE TO OBTAIN NEW PERMIT IN CASE OF TRANSFER OF OWNERSHIP. THIS PERMIT INDICATES THAT THE OWNER/OPERATORS OF THIS FACILITY HAVE BEEN ADVISED OF THE HAZARDOUS WASTE MANAGEMENT REQUIREMENTS OF THE STATE OF CALIFORNIA AND THE UNITED STATES ENVIRONMENTAL PROTECTION AGENCY. THIS PERMIT IS THE PROPERTY OF THE COUNTY OF SAN BERNARDINO AND MAY BE REVOKED FOR NON-COMPLIANCE WITH ANY FEDERAL, STATE, OR LOCAL LAWS, ORDINANCES, RULES, AND REGULATIONS APPLICABLE TO HAZARDOUS WASTE CONTROL."

NAME
D.B.A.
DDRESS
& STATE

SOUTHERN CALIFORNIA EDISON COMPANY
8996 Etiwanda Avenue
ETIWANDA CA 91739

Richard L. Roberts, R.S.
Director
ENVIRONMENTAL HEALTH SERVICES

POST IN A
CONSPICUOUS PLACE

04-1804-631 Rev 11/78

HAZARDOUS WASTE & TOXICS CONTROL

SCE 8996 ETIWANDA
COMPANY NAME

ADDRESS MAILING ADDRESS

CARLOS ALCAINO HW SUPVR 818 302 1646
CONTACT POSITION PHONE

DATE	DISCUSSION:
2-12-86	ALCAINO SAID THAT LAB STILL HAS SAMPLES & WILL RUN STLCS & WILL VERIFY CR FOR HEX TRI + TOTAL EHS DIRECTED HIM TO REMOVE THOSE DRUMS TO THE ETIWANDA FACILITY. UNTILL LAB RESULTS COME BACK - APPX 30 DAYS.

INSPECTOR DATE

ENVIRONMENTAL HEALTH SERVICES

COUNTY OF SAN BERNARDINO
ENVIRONMENTAL
PUBLIC WORKS AGENCY

☒ 385 North Arrowhead Avenue • San Bernardino, CA 92415-0160 • (714) 383-1617
☐ 320 East "D" Street • Ontario, CA 91764 • (714) 988-1324
☐ 15579 Eighth Street • Victorville, CA 92392 • (714) 245-3216
☒ Hazardous Waste & Toxics Control (714) 383-7170

KENNETH C. TOPPING
Deputy Administrator
Community Development
RICHARD L. ROBERTS, R.S., M.P.H.
Director

Also serving the cities of:

Adelanto	*Needles*
Barstow	*Ontario*
Big Bear Lake	*Rancho Cucamonga*
Chino	*Redlands*
Colton	*Rialto*
Fontana	*San Bernardino*
Grand Terrace	*Upland*
Loma Linda	*Victorville*
Montclair	

PLEASE REPLY TO ADDRESS CHECKED

September 17, 1985

Southern California Edison
1190 Durfee Avenue
South El Monte, CA 91733

Attn: Dwight Barnes,
Special Services Consultant

SUBJECT: SOUTHERN CALIFORNIA EDISON'S HAZARDOUS WASTE GENERATORS.

Per your request I am forwarding you a list of Southern California Edison's hazardous waste generators and those on our list to be inspected.

Should you have any further questions, please call at (714) 383-7170.

RICHARD L. ROBERTS, R.S., MPH
Director

Steve Van Stockum, R.S.

STEVE VAN STOCKUM, R.S.
Environmental Health Specialist IV

RLR:SVS:aop

Enclosure

1).	Southern California Edison 8996 Etiwanda Avenue Etiwanda 91739	Permit Expires 5/31/86
2).	Southern California Edison 300 N. Pepper Rialto 92376	Invoiced
3).	Southern California Edison Co. Coolwater Generating Station P.O. BOX 337/ Santa Fe Street Daggett 92327	Permit Expires 4/30/86
4).	Southern California Edison Danby Dry Lake	To be inspected
5).	Southern California Edison Highgrove Generating Station 12700 Taylor St. Colton 92324	Permit Expires 4/30/86
6).	Southern California Edison San Bernardino Generating Station 25770 San Bernardino Ave. San Bernardino 92408	Permit Expires 4/30/86

Southern California Edison Company

P. O. BOX 800
2244 WALNUT GROVE AVENUE
ROSEMEAD, CALIFORNIA 91770

EDWARD J. FAEDER, Ph.D.
MANAGER OF ENVIRONMENTAL OPERATIONS

TELEPHONE
(818) 302-2009

July 9, 1985

Mr. James W. Anderson
Executive Officer
California Regional Water Quality
Control Board, Santa Ana Region
16809 Indiana Avenue, Suite 200
Riverside, CA 92506

Dear Mr. Anderson:

Subject: Etiwanda Generating Station --
Preliminary Site Characterization Report

The Southern California Edison Company (SCE) is submitting the enclosed preliminary site characterization report for Etiwanda Generating Station, as requested by Mr. Bruce Paine of your staff. The preliminary report provides background information concerning SCE's investigation of the nature and extent of oil contaminated soil discovered on Etiwanda Generating Station property after the March 13, 1985 oil spill from TAMCO. The preliminary report contains the following information:

- Introductory and background information.
- Site characterization sample plan description.
- Environmental setting data.

The final site characterization report, containing the analysis data and recommendations and conclusions, will be submitted when all of the analysis data has been received and interpreted. I expect that the final report will be ready for submittal during September, 1985.

If you have further questions concerning this subject, please contact Mr. R. M. Goodson of my staff at (818) 302-1831.

Sincerely,

Original Signed
By E.J. Faeder

E. J. Faeder

EJF:2633E
Enclosure

cc: TAMCO, Mr. W. J. Nelson


RECEIVED
JUL 15 1985
ENVIRONMENTAL
HEALTH SERVICES

HAZARDOUS WASTE GENERATOR INSPECTION REPORT
County of San Bernardino -- Department of Environmental Health Services

FACILITY NAME: SOUTHERN CALIF. EDISON — CONTACT PERSON: MR. ALCAINO
SITUS ADDRESS: 8996 ETIWANDA AV. ETIWANDA — PHONE #:
MAILING ADDRESS: — # EMPLOYEES:
OTHERS PRESENT: — EPA #:

			The following violations have been noted and must be corrected as follows:
WASTE MANAGEMENT	Stored Over 90 Days		Request a copy of contingency plan and analysis of water in settling ponds.
	Fenced/Bermed		
	Drums Labelled		
	Labels Dated		
	Containers Sound		
	Containers Closed		
	Managed to Prevent Leaks		No violations observed at this time.
	Incompatibles -- Mixed		
	Incompatibles -- Stored		
	Comingling		
	Packaged/Placards		
	50' from Property Line		
	Warning Signs		
DISPOSAL	Manifested		See attached notes for additional information.
	Illegal Disposal		
	Discharged to Ground		
	Contaminated Soil		
	Empty Drums		
	Licensed Hauler		
	Class I Site		
RECORDS	Inadequate Records		also request a copy of waste flow chart supplied to Chino MWD.
	Manifests Available		
	Contingency Plan		
	Permit -- Generator		
PERSONNEL	Training		Permit Issued.
	Safety/Emergency Equipment		
	Contact Persons		
	Contingency Plan Knowledge		
TANKS	Leaking		See attached waste water flow diagram
	Monitored		
	Comingling		
	Permit -- Tanks		

ADDITIONAL COMMENTS:

INSPECTOR: R Bromley — RECEIVED BY: Carlos Alcaino — DATE: 6/4/96

R. Bromberg
SCE - ETIWANDA AV. 6/4/85

- Facility currently running at 10% capacity.
- Asbestos storage area: asbestos, wetted, double bagged, taken to BKK, Azusa
  Clean-up of asbestos insulation handled both by in-house personnel and outside contractors

  some PCB contaminated transformers, > 500 ppm - sampling for PCB contamination done routinely - contaminated material stored in Alhambra for eventual incineration

- Facility can burn either oil or gas
- "peaking unit" burns jet fuel, can go "online" in minutes (5 thousand barrels of jet fuel in above ground tanks)

  sumps cleared of oil/water mixture four times a year - floats turn on pumps, waste pumped to pond, equipped with an oil skimmer
- basin is gunite lined
- basin drain (waste) discharged to Chino Basin → LA County, under permit

- At this time, boiler cleaning waste basin is dry
- waste acid from dimineralizing process used to treat cooling tower water
- sludge generated during cleaning process taken to a Class I site

- equipment checked by each shift
- personnel at facility 24 hours

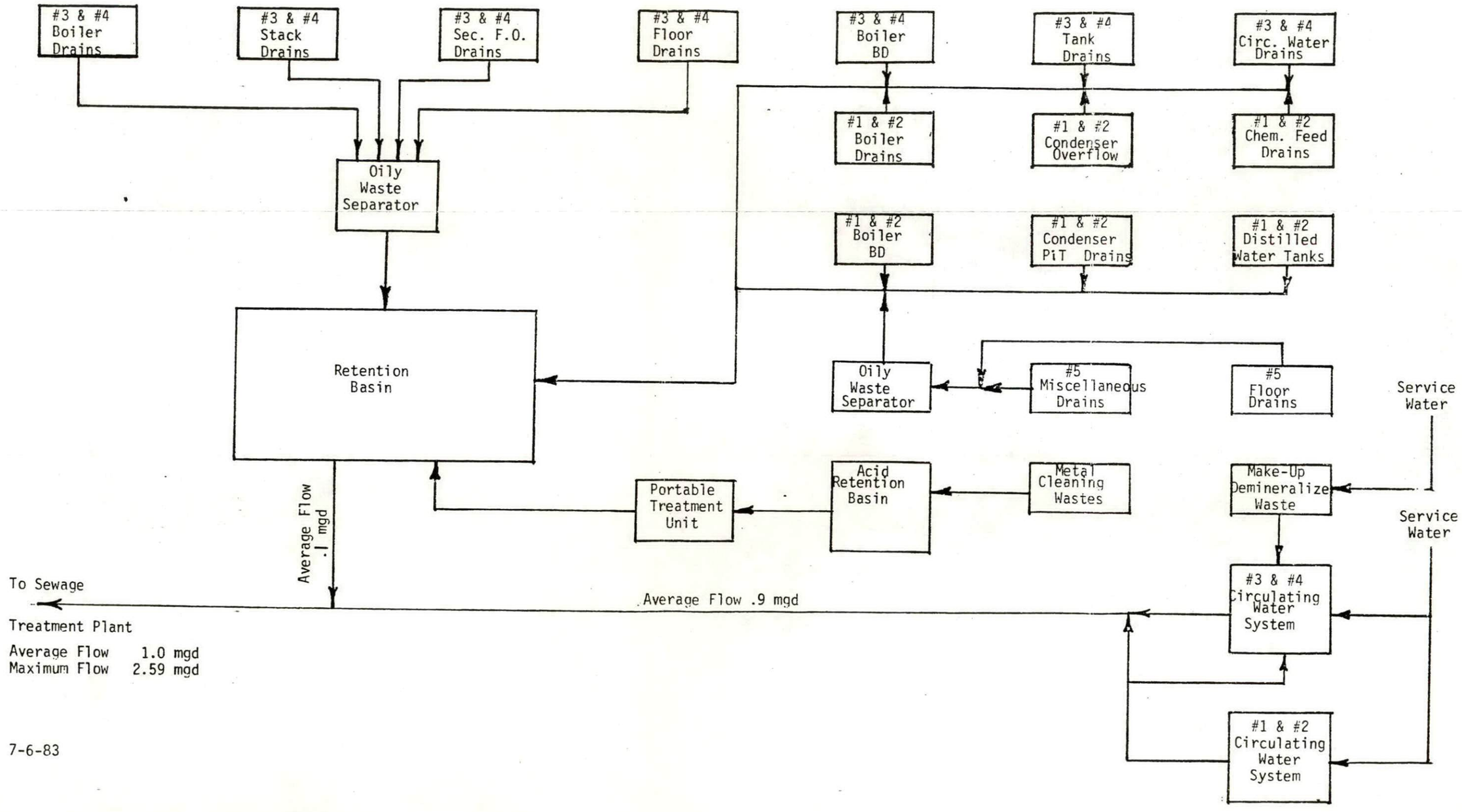
- cooling tower wood, some of which is contaminated with arsenic, is kept in asbestos storage area

- all fuel storage areas are set in depressions, thus "birmed"

- Baker tanks used during boiler cleandown
- mobil treatment unit
- pH adjusted, polymer added to precipitate sludge - effluent then discharged to basin

ETIWANDA GENERATING STATION

Wastewater Flow Diagram



Average Flow 1.0 mgd
Maximum Flow 2.59 mgd

7-6-83

STATE OF CALIFORNIA—HEALTH AND WELFARE AGENCY

EDMUND G. BROWN JR., Governor

DEPARTMENT OF HEALTH SERVICES
714/744 P STREET
SACRAMENTO, CA 95814

Facility: S.C.E. Etiwanda
Generating Station
8996 Etiwanda
San Bernardino County
Etiwanda, CA 91739

Operator: Southern California Edison
8996 Etiwanda
Etiwanda, CA 91739

INTERIM STATUS DOCUMENT

Number: CAD 079548574

Effective Date: March 30, 1981

Pursuant to Section 25200.5 of the California Health and Safety Code, this Interim Status Document is hereby granted to Southern California Edison subject to the conditions set forth in Attachment A which by this reference is incorporated herein.

Harvey F. Collins

Harvey F. Collins, Ph.D., Chief
Environmental Health Branch

ATTACHMENT A

Interim Status Document

S.C.E. Etiwanda Generating Station
8996 Etiwanda
San Bernardino County
Etiwanda, CA 91739

I. GENERAL CONDITIONS

1. Identification and general responsibilities of operator.

Southern California Edison, hereinafter called the operator and/or owner, shall comply with the provisions of the California Health and Safety Code, including Chapter 6.5 of Division 20, and with the Minimum Standards for Management of Hazardous and Extremely Hazardous Wastes (Chapter 30, Division 4, Title 22 of the California Administrative Code). The following requirements set forth in Chapter 30, Division 4, Title 22, California Administrative Code, should be particularly noted:

(a) The owner or operator shall ensure that the operation of the facility will not imperil public health and safety, wildlife, domestic livestock, or the environment.

(b) The owner or operator shall allow the California State Department of Health Services or the local health agency to inspect the facility, take samples of wastes, and inspect pertinent records.

(c) The owner or operator shall maintain the qualified personnel and the equipment necessary to provide for the safe operation of the facility.

(d) The owner or operator shall notify the California State Department of Health Services of a proposed change in ownership of the facility, in the method of operation of the facility, or of proposed closure of the facility 30 days prior to such event.

(e) The operator shall report to the California State Department of Health Services, within 24 hours after occurrence, all accidents involving hazardous wastes which resulted in, or could have resulted in, a hazard to public health and safety, wildlife, domestic livestock, or to the environment.

2. Records.

The owner or operator shall file this Interim Status Document at the facility and at his place of business.

3. Operation plan.

   Unless he has already done so, the owner or operator shall submit to the California State Department of Health Services within six months of the effective date of this document, an operation plan in accordance with Section 66376, Title 22 of the California Administrative Code.

4. Prohibited acts.

   The owner or operator shall not do any of the following acts:

   (a) Treat, store, or dispose of hazardous wastes which are not identified.

   (b) Employ processes not described in the application.

   (c) Make substantial modifications or additions to the facility.

5. Limitation.

   The owner or operator shall comply with the conditions of this document and with any new or modified conditions which the California State Department of Health Services deems necessary to protect public health or the environment. A new interim status condition or a modification of an existing interim status condition shall become effective on the date that written notice of such change is received by the owner or operator.

NOTE: Unless explicitly stated otherwise, all cross references to items in this Interim Status Document shall refer only to items occurring within the same Part. All Parts are identified by Roman numerals. The items set forth in each Part shall apply to the owner, operator, and/or facility in addition to the items set forth in any preceding and/or following Part of this document.

II. SPECIAL CONDITIONS

1. Storage of wastes.

   (a) Hazardous waste shall not be stored at the facility for longer than one year without written approval from the California State Department of Health Services.

   (b) If a hazardous waste is stored at the facility longer than one year, the owner or operator shall pay to the California State Department of Health Services a fee, as if the waste had been disposed of on land, in accordance with Article 8, Chapter 30, Division 4, Title 22 of the California Administrative Code. The fee shall be paid in the 13th month of storage.

   (c) Hazardous waste shall be stored in a secure enclosure such as a building, room or fenced area, which shall prevent unauthorized persons from gaining access to the waste and in a manner that will prevent spills. A caution sign shall be posted and visible from any direction of access or view of hazardous waste stored in such enclosure. Wording of caution signs shall be in English, "Caution-Hazardous Waste Storage Area-Unauthorized Persons Keep Out", and Spanish, "Cuidado! Zona de Residuos Peligrosos. Prohibida la Entrada a Personas No Autorizadas".

   (d) Each hazardous waste storage area shall have a continuous base that is impervious to the waste to be stored and shall be designed and constructed so that any surface water runoff or spills can be contained.

2. Storage in ponds.

   (a) The following hazardous wastes shall not be stored in open storage ponds:

      (1) Extremely hazardous wastes as defined in Sections 66064 and 66685, Title 22, California Administrative Code, unless specifically approved by a written permit from the California State Department of Health Services;

      (2) Flammable wastes as defined in Section 66072, Title 22, California Administrative Code; and

      (3) Wastes such as organic solvents or sludges containing volatile, toxic substances in excess of 10 percent by weight.

   (b) Hazardous sludges, concentrates, and residues removed from a storage pond for subsequent disposal shall be properly handled, transported, and disposed of as hazardous wastes.

(c) Physical barriers or other devices shall be used as necessary during waterfowl migration periods to deter migratory waterfowl from using storage ponds.

3. Storage in containers.

(a) Containers used for storing hazardous waste shall be in a condition such that the containers can be safely transported, handled or moved.

(b) Areas used for storing containers of hazardous waste shall be widely separated, or physical barriers shall be provided to ensure that commingling of incompatible hazardous wastes cannot occur if a container on one pad ruptures.

(c) A label shall be maintained on all containers in which hazardous wastes are stored for 90 days or more and records for the storage of all hazardous wastes shall be maintained pursuant to Section 66545, Title 22 of the California Administrative Code. Labels shall include the following information:

(1) Composition and physical state of the waste;

(2) Special safety recommendations and precautions for handling the waste;

(3) Statement or statements which call attention to the particular hazardous properties of the waste;

(4) Amount of waste and name and address of the person producing the waste; and

(5) Date of acceptance at the storage facility.

(d) Empty containers contaminated with hazardous materials shall be stored, handled, processed and disposed of as hazardous wastes.

4. Storage of water-reactive waste.

Water-reactive hazardous waste shall be stored in a rain-tight and waterproof area.

5. Treatment of wastes.

If incompatible wastes are mixed for purposes of treatment, the owner or operator shall control the mixing process in a manner which prevents hazards to health and safety of the public or employees or hazards to domestic livestock or wildlife.

6. Management of extremely hazardous wastes.

   The operator shall ensure that extremely hazardous wastes are handled in accordance with the terms of an Extremely Hazardous Waste Disposal Permit issued by the California State Department of Health Services, pursuant to Article 7, Chapter 30, Division 4, Title 22, California Administrative Code.

7. Management of asbestos wastes.

   Asbestos-containing wastes shall be disposed of in accordance with the following instructions:

   (a) Wastes received in sealed, nonreturnable containers shall be handled, disposed of, and covered without opening, breaking, or rupturing the containers.

   (b) Wetted wastes received in bulk shall not be allowed to dry to such a state that airborne asbestos fibers would result.

   (c) Dry wastes received in bulk shall be thoroughly wetted to prevent the blowing of asbestos fibers.

   (d) All asbestos-containing wastes shall be covered with at least six inches of compacted soil or nonhazardous solid waste within 24 hours after receipt.

8. Wastes prohibited.

   Hazardous wastes described below shall not be handled at the facility:

   (a) Extremely hazardous wastes as defined in Sections 66064 and 66685, Title 22, California Administrative Code, unless specifically approved by a written permit from the California State Department of Health Services.

   (b) Burning wastes.

   (c) Forbidden and Class A explosives as defined in Sections 173.51 and 173.53, Title 49, Code of Federal Regulations.

9. Management of incompatible wastes.

   Each of the following categories of incompatible hazardous wastes shall be adequately separated during all handling, storage, and disposal operations:

(a) Alkalies and cyanides.

(b) Acids.

(c) Toxic wastes, pesticides and flammable wastes.

10. Management of pesticide wastes.

The operator shall store, handle, treat and dispose of emptied pesticide containers in accordance with the requirements of Chapter 30, Division 4, Title 22 of the California Administrative Code, and Article 10, Group 3, Subchapter 3, Chapter 4, Title 3 of the California Administrative Code.

11. Management of PCB wastes.

PCB wastes shall be managed in accordance with the requirements of Part 761, Title 40, Code of Federal Regulations.

12. Public water supply.

If a public water supply is used at the facility, the service connection shall be protected from contamination as specified in Section 7604, Title 17 of the California Administrative Code.

13. Fencing.

The perimeter of the hazardous waste area of the facility shall be secured by a well-maintained fence, capable of preventing the intrusion of livestock and of discouraging entry by unauthorized persons. If the entire facility is appropriately fenced, if the general public does not have access to the hazardous waste area, and if the hazardous waste area is posted with warning signs as described elsewhere in this document, no additional fence shall be required around the hazardous area unless the absence of such a fence could result in a hazard to health, safety, or the environment.

14. Operation at night.

When the facility is operated during hours of darkness, the operator shall provide sufficient lighting to ensure safe, effective management of hazardous wastes.

15. Warning signs.

Signs indicating that the facility, or the hazardous waste area of the facility, contains hazardous waste shall be placed on the perimeter fence at locations where it is anticipated that hunters and other trespassers may enter the facility such as at trails, major drainages, and ridges. Wording of the signs shall be in English, "Caution-Hazardous Waste Area-Unauthorized Persons Keep Out", and Spanish, "Cuidado! Zona de Residuos Peligrosos. Prohibida la Entrada a Personas No Autorizadas".

16. Telephone or radio communications.

A telephone or radio for summoning aid in the event of an emergency shall be in workable condition and available for immediate use by personnel working in the hazardous waste area of the facility.

17. Safety showers.

The owner or operator shall provide to personnel working in the hazardous waste area of the facility adequate numbers of safety showers. The safety showers shall be in workable condition and available for immediate use.

18. Eyewashes.

The owner or operator shall provide to personnel working in the hazardous waste area of the facility adequate numbers of eyewashes. The eyewashes shall be in workable condition and available for immediate use.

19. First-aid kit.

The owner or operator shall provide to personnel working in the hazardous waste area of the facility adequate numbers of industrial-type first-aid kits. The kits shall be maintained and available for immediate use.

20. Protective clothing.

The owner or operator shall provide to personnel working in the hazardous waste area of the facility adequate numbers of the following National Institute of Occupational Safety and Health (NIOSH) approved equipment if appropriate:

(a) Protective head gear and face masks.

(b) Chemically resistant apparel and gloves.

(c) Self-contained breathing apparatus and respirators with the approved cartridges.

21. Warning alarm system.

If at any time there is a sole employee on the premises, the employee shall have immediate access to an alarm or other communication device capable of summoning external emergency assistance.

III. SAFETY, EQUIPMENT, AND EMERGENCY RESPONSE

1. Identification number.

The facility owner or operator shall have an identification number issued by the U.S. Environmental Protection Agency (EPA).

2. Notices.

(a) If the owner or operator has arranged to receive hazardous waste from a foreign source, he shall notify the California State Department of Health Services in writing at least four weeks in advance of the date that the waste is expected to arrive at the facility. Notice of subsequent shipments of the same waste from the same foreign source is not required.

(b) Before transferring ownership or operation of the facility during its operating life or during the post-closure care period, the owner or operator shall notify the new owner or operator in writing of the conditions of this document.

3. Analysis of waste.

(a) (1) Before the owner or operator treats, stores, or disposes of a particular type of hazardous waste for the first time, he shall obtain a detailed chemical and physical analysis of a representative sample of the waste. At a minimum, this analysis shall contain all the information which must be known to treat, store, or dispose of the waste in accordance with the conditions of this document.

(2) The analysis may include data developed for other purposes, and existing published or documented data on the hazardous waste or on waste generated from similar processes.

(3) The analysis shall be repeated as necessary to ensure that it is accurate and up-to-date. At a minimum, the analysis must be repeated when the owner or operator is notified, or has reason to believe, that the process or operation generating the hazardous waste has changed.

(b) Upon the effective date of this document, the owner or operator shall follow a written waste analysis plan which describes the procedures which will be used to comply with Item 3 (a). The plan shall be subject to approval by the California State Department of Health Services and shall be kept at the facility. At a minimum, the plan shall specify:

(1) The parameters for which each hazardous waste will be analyzed and the rationale for the selection of these parameters;

(2) The test methods which will be used to test for these parameters;

(3) The sampling method which will be used to obtain a representative sample of the waste to be analyzed. A representative sample may be obtained using either:

(i) One of the sampling methods described in Appendix I, Part 261, Title 40, Code of Federal Regulations; or

(ii) An equivalent sampling method approved by the California State Department of Health Services.

(4) The frequency with which the initial analysis of the waste will be reviewed or repeated to ensure that the analysis is accurate and up-to-date;

(5) Where applicable, the methods which will be used to meet any additional waste analysis requirements for specific waste management methods as specified elsewhere in this document.

4. Security.

(a) The owner or operator shall prevent the unknowing entry, and minimize the possibility for the unauthorized entry, of persons or livestock onto the active portion of the facility.

(b) The facility shall have:

(1) A 24-hour surveillance system which continuously monitors and controls entry onto the active portion of the facility; or

(2) (i) An artificial or natural barrier which completely surounds the active portion of the facility and which would prevent unauthorized entry; and

(ii) A means to control entry, at all times, through the gates or other entrances to the active portion of the facility (e.g., an attendant, television monitors, locked entrance, or controlled roadway access to the facility).

(c) Upon the effective date of this document, a sign with the legend, "Caution - Hazardous Waste Area - Unauthorized Persons Keep Out," shall be posted at each entrance to the active portion of the facility, and at other locations, in sufficient numbers to be seen from any approach to this active portion. The legend shall be written in Engligh and Spanish, "Cuidado! Zona De Residuous Peligrosos. Prohibida La Entrada A Personas No Autorizadas", and shall be legible from a distance of at least 25 feet. Existing signs with a legend other than "Caution - Hazardous Waste Area - Unauthorized Persons Keep Out" may be used if the legend on the sign indicates that only authorized personnel are allowed to enter the active portion, and that entry onto the active portion can be dangerous.

5. Inspections.

(a) The owner or operator shall inspect the facility for malfunctions and deterioration, operator errors, and discharges which may be causing--or may lead to--release of hazardous waste constituents to the environment or a threat to human health. The owner or operator shall conduct these inspections often enough to identify problems in time to correct them before they harm human health or the environment.

(b) (1) The owner or operator shall follow a written schedule for inspecting all monitoring equipment, safety and emergency equipment, security devices, and operating and structural equipment (such as dikes and sump pumps) that are important to preventing, detecting, or responding to environmental or human health hazards.

(2) The schedule shall be subject to approval by the California State Department of Health Services.

(3) He shall keep this schedule at the facility.

(4) The schedule shall identify the types of problems (e.g., malfunctions or deterioration) which are to be looked for during the inspection (e.g., inoperative sump pump, leaking fitting, eroding dike, etc.).

(5) The frequency of inspection may vary for the items on the schedule. However, it shall be based on the rate of

possible deterioration of the equipment and the probability of an environmental or human health incident if the deterioration or malfunction or any operator error goes undetected between inspections. Areas subject to spills, such as loading and unloading areas shall be inspected daily when in use. At a minimum, the inspection schedule shall include the items and frequencies called for elsewhere in this document.

(c) The owner or operator shall remedy any deterioration or malfunction of equipment or structures which the inspection reveals on a schedule which shall be subject to approval by the California State Department of Health Services and which shall ensure that the problem does not lead to an environmental or human health hazard. Where a hazard is imminent or has already occurred, remedial action shall be taken immediately.

(d) The owner or operator shall record inspections in an inspection log or summary. He shall keep these records for at least three years from the date of inspection. At a minimum, these records shall include the date and time of the inspection, the name of the inspector, a notation of the observations made, and the date and nature of any repairs or other remedial actions.

6. Personnel training.

(a) (1) Facility personnel shall successfully complete a program of classroom instruction or on-the-job training that teaches them to perform their duties in a way that ensures the facility's compliance with the conditions of this document. The owner or operator shall ensure that this program includes all the elements described under Item 6 (a)(3).

(2) This program shall be directed by a person trained in hazardous waste management procedures, and shall include instruction which teaches facility personnel hazardous waste management procedures (including contingency plan implementation) relevant to the positions in which they are employed.

(3) At a minimum, the training program shall be designed to ensure that facility personnel are able to respond effectively to emergencies by familiarizing them with emergency procedures, emergency equipment, and emergency systems, including where applicable:

(i) Procedures for using, inspecting, repairing, and replacing facility emergency and monitoring equipment;

(ii) Key parameters for automatic waste feed cut-off systems;

(iii) Communications or alarm systems;

(iv) Response to fires or explosions;

(v) Response to ground-water contamination incidents; and

(vi) Shutdown of operations.

(b) Facility personnel shall have successfully completed the program required in Item 6 (a) by the effective date of this document or within six months after the date of their employment or assignment to a facility, or to a new position at a facility, whichever is later. Employees hired after the effective date of this document shall not work in unsupervised positions until they have completed the training requirements of Item 6 (a).

(c) Facility personnel shall take part in an annual review of the initial training required in Item 6 (a).

(d) The owner or operator shall maintain the following documents and records at the facility:

(1) The job title for each position at the facility related to hazardous waste management, and the name of the employee filling each job.

(2) A written job description for each position listed under Item 6 (d)(1). This description may be consistent in its degree of specificity with descriptions for other similar positions in the same company location or bargaining unit, but shall include the requisite skill, education, or other qualifications, and duties of facility personnel assigned to each position;

(3) A written description of the type and amount of both introductory and continuing training that will be given to each person filling a position listed under Item 6 (d) (1); and

(4) Records that document that the training or job experience required under Items 6 (a), (b), and (c) has been given to, and completed by, facility personnel.

(e) Training records on current personnel as required in Item 6 (d) 4 shall be kept until closure of the facility. Training records on former employees shall be kept for at least three years from the date the employee last worked at the facility. Personnel training records may accompany personnel transferred within the same company.

7. Ignitable, reactive, or incompatible wastes.

(a) The owner or operator shall take precautions to prevent accidental ignition or reaction of ignitable or reactive waste. This waste shall be separated and protected from sources of ignition or reaction. While ignitable or reactive waste is being handled, the owner or operator shall confine smoking and open flame to specially designated locations. "No Smoking" signs shall be conspicuously placed wherever there is a hazard from ignitable or reactive waste.

(b) The treatment, storage, or disposal of ignitable or reactive waste, and the mixture or commingling of incompatible wastes, or incompatible wastes and materials shall be conducted so that it does not:

(1) Generate extreme heat or pressure, fire or explosion, or violent reaction;

(2) Produce uncontrolled toxic mists, fumes, dusts, or gases in sufficient quantities to threaten human health;

(3) Produce uncontrolled flammable fumes or gases in sufficient quantities to pose a risk of fire or explosions;

(4) Damage the structural integrity of the device or facility containing the waste; or

(5) Through other like means threaten human health or the environment.

8. Maintenance and operation of facility.

The facility shall be maintained and operated to minimize the possibility of a fire, explosion, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water which could threaten human health or the environment.

9. Testing and maintenance of equipment.

All facility communications or alarm systems, fire protection equipment, spill control equipment, and decontamination equipment, where required, shall be tested and maintained as necessary to ensure its proper operation in time of emergency.

10. Required aisle space.

The owner or operator shall maintain aisle space as needed to allow the unobstructed movement of personnel, fire protection equipment, spill control equipment, and decontamination equipment to any area of facility operation in an emergency.

11. Arrangements with local authorities.

(a) Upon the effective date of this document, the owner or operator shall attempt to make the following arrangements, as appropriate for the type of waste handled at the facility and the potential need for the services of these organizations:

(1) Arrangements to familiarize police, fire departments, and emergency response teams with the layout of the facility, properties of hazardous waste handled at the facility and associated hazards, places where facility personnel would normally be working, entrances to roads inside the facility, and possible evacuation routes;

(2) Where more than one police and fire department might respond to an emergency, agreements designating primary emergency authority to a specific police and a specific fire department, and agreements with any others to provide support to the primary emergency authority;

(3) Agreements with State emergency response teams, emergency response contractors, and equipment suppliers; and

(4) Arrangements to familiarize local hospitals with the properties of hazardous waste handled at the facility and the types of injuries or illnesses which could result from fires, explosions, or releases at the facility.

(b) Where State or local authorities decline to enter into such arrangements, the owner or operator shall document the refusal in the operating record.

12. Purpose and implementation of contingency plan.

(a) Upon the effective date of this document, the owner or operator shall have a contingency plan for the facility. The contingency plan shall be subject to approval by the California State Department of Health Services and shall be designed to minimize hazards to human health or the environment from fires, explosions, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water.

(b) The provisions of the plan shall be carried out immediately wherever there is a fire, explosion, or release of hazardous waste or hazardous waste constituents which could threaten human health or the environment.

13. Content of contingency plan.

(a) The contingency plan shall describe the actions facility personnel shall take to comply with Items 12 and 17 in response to fires, explosions, or any unplanned sudden or non-sudden release of hazardous waste or hazardous waste constituents to air, soil, or surface water at the facility.

(b) If the owner or operator has already prepared some other emergency or contingency plan, he need only amend that plan to incorporate hazardous waste management provisions that are sufficient to comply with the conditions of this document.

(c) The plan shall describe arrangements agreed to by local police departments, fire departments, hospitals, contractors, and State and local emergency response teams to coordinate emergency services pursuant to Item 13.

(d) The plan shall list names, addresses, and phone numbers (office and home) of all persons qualified to act as emergency coordinator (see Item 18), and this list shall be kept up to date. Where more than one person is listed, one shall be named as primary emergency coordinator and others shall be listed in the order in which they will assume responsibility as alternates.

(e) The plan shall include a list of all emergency equipment at the facility (such as fire extinguishing systems, spill control equipment, communications and alarm systems (internal and external), and decontamination equipment), where this equipment is required. This list shall be kept up to date. In addition, the plan shall include the location and a physical description of each item on the list, and a brief outline of its capabilities.

(f) The plan shall include an evacuation plan for facility personnel where there is a possibility that evacuation could be necessary. This plan shall describe signal(s) to be used to begin evacuation routes, and alternate evacuation routes (in cases where the primary routes could be blocked by releases of hazardous wastes or fires).

14. Copies of contingency plan.

A copy of the contingency plan and all revisions to the plan shall be:

(a) Maintained at the facility; and

(b) Submitted to the California State Department of Health Services and to all local police departments, fire departments, hospitals, and State and local emergency response teams that may be called upon to provide emergency services.

15. Amendment of contingency plan.

The contingency plan shall be reviewed, and immediately amended, if necessary, whenever:

(a) Applicable regulations are revised;

(b) The plan fails in an emergency;

(c) The list of emergency coordinators changes; or

(d) The list of emergency equipment changes.

16. Emergency coordinator.

At all times, there shall be at least one employee either on the facility premises or on call (i.e., available to respond to an emergency by reaching the facility within a short period of time) with the responsibility for coordinating all emergency response measures. This emergency coordinator shall be thoroughly familiar with all aspects of the facility's contingency plan, all operations and activities at the facility, the location and characteristics of waste handled, the location of all records within the facility, and the facility layout. In addition, this person shall have the authority to commit the resources needed to carry out the contingency plan.

17. Emergency procedures.

(a) Whenever there is an imminent or actual emergency situation, the emergency coordinator (or his designee when the emergency coordinator is on call) shall:

(1) Immediately activate internal facility alarms or communication systems, where applicable, to notify all facility personnel;

(2) Immediately notify appropriate State or local agencies with designated response roles if their help is needed; and

(3) Notify the California State Department of Health Services by telephone or telegraph within 24 hours of occurrence.

(b) Whenever there is a release, fire, or explosion, the emergency coordinator shall immediately identify the character, exact source, amount, and areal extent of any released materials. This may be done by observation or review of facility records or manifests and, if necessary, by chemical analysis.

(c) Concurrently, the emergency coordinator shall assess possible hazards to human health or the environment that may result from the release, fire, or explosion. This assessment shall consider both direct and indirect effects of the release, fire, or explosion (e.g., the effects of any toxic, irritating, or asphyxiating gases that are generated, or the effects of any hazardous surface water run-offs from water or chemical agents used to control fire and heat-induced explosions).

(d) If the emergency coordinator determines that the facility has had a release, fire, or explosion which could threaten human health, or the environment, outside the facility, the findings shall be reported as follows:

(1) The emergency coordinator shall immediately notify either the government official designated as the on-scene coordinator for that geographical area (in the applicable regional contingency plan under Part 1510, Title 40, Code of Federal Regulations), or the National Response Center (using their 24-hour toll free number: 800/424-8802). The report shall include:

(i) Name and telephone number of reporter;

(ii) Name and address of facility;

(iii) Time and type of incident (e.g., release, fire);

(iv) Name and quantity of material(s) involved, to the extent known;

(v) The extent of injuries, if any; and

(vi) The possible hazards to human health, or the environment, outside the facility.

(2) If his assessment indicates that evacuation of local areas may be advisable, appropriate local authorities shall be notified immediately. The emergency coordinator shall be available to help appropriate officials decide whether local areas should be evacuated.

(e) During an emergency the emergency coordinator shall take all reasonable measures necessary to ensure that fires, explosions, and releases do not occur, recur, or spread to other hazardous

waste at the facility. These measures shall include, where applicable, stopping processes and operations, collecting and containing released waste, and removing or isolating containers.

(f) If the facility stops operations in response to a fire, explosion or release, the emergency coordinator shall monitor for leaks, pressure buildup, gas generation, or ruptures in valves, pipes, or other equipment, wherever this is appropriate.

(g) Immediately after an emergency, the emergency coordinator shall provide for treating, storing, or disposing of recovered waste, contaminated soil or surface water, or any other material that results from a release, fire, or explosion at the facility.

(h) The emergency coordinator shall ensure that, in the affected area(s) of the facility:

(1) No waste that may be incompatible with the released material is treated, stored, or disposed of until cleanup procedures are completed; and

(2) All emergency equipment listed in the contingency plan is cleaned and fit for its intended use before operations are resumed.

(i) The owner or operator shall notify the California State Department of Health Services and local authorities, that the facility is in compliance with Item 17 (h) before operations are resumed in the affected area(s) of the facility.

(j) The owner or operator shall note in the operating record the time, date, and details of any incident that requires implementing the contingency plan. Within 30 days after the incident, he shall submit a written report on the incident to the California State Department of Health Services. The report shall include:

(1) Name, address, and telephone number of the owner or operator;

(2) Name, address, and telephone number of the facility;

(3) Date, time, and type of incident (e.g., fire, explosion);

(4) Name and quantity of material(s) involved;

(5) The extent of injuries, if any;

(6) An assessment of actual or potential hazards to human health or the environment, where this is applicable; and

(7) Estimated quantity and disposition of recovered material that resulted from the incident.

IV RECORDKEEPING

1. Operating record.

   (a) The owner or operator shall keep a written operating record at the facility.

   (b) The following information shall be recorded, as it becomes available, and maintained in the operating record until closure of the facility:

      (1) A description and the quantity of each hazardous waste received, and the method(s) and date(s) of its treatment, storage, or disposal at the facility;

      (2) The location of each hazardous waste within the facility and the quantity at each location. This information shall include cross-references to specific manifest document numbers, if the waste was accompanied by a manifest;

      (3) Records and results of waste analyses and trial tests performed;

      (4) Summary reports and details of all incidents that require implementing the contingency plan;

      (5) Records and results of inspections (except these data need be kept only three years);

      (6) Monitoring, testing or analytical data where required; and

      (7) All closure cost estimates.

2. Availability, retention, and disposition of records.

   (a) All records including plans, required in this document shall be furnished upon request, and made available at all reasonable times for inspection, by any officer, employee, or respresentative of the California State Department of Health Services who is duly designated by the Director;

   (b) The retention period for all records required in this document is extended automatically during the courseof any unresolved enforcement action regarding the facility or as requested by the California State Department of Health Services;

(c) A copy of records of waste disposal locations and quantities in Item 1 (b)(2) shall be submitted to the California State Department of Health Services and local land authority upon closure of the facility.

3. Annual report.

The owner or operator shall prepare and submit a single copy of an annual report to the California State Department of Health Services by March 1 of each year beginning March 1, 1982. The annual report shall cover facility activities during the previous calendar year and shall include the following information:

(a) The EPA identification number, name, and address of the facility;

(b) The calendar year covered by the report;

(c) A description and the quantity of each hazardous waste the facility received during the year;

(d) The method of treatment, storage, or disposal for each hazardous waste;

(e) Monitoring data where required;

(f) The most recent closure cost estimate;

(g) The certification signed by the owner or operator of the facility or his authorized representative.

4. Additional reports.

In addition to submitting the annual report required in Item 3, the owner or operator shall also report to the California State Department of Health Services:

(a) Releases, fires, and explosions;

(b) Ground-water contamination and monitoring data;

(c) Facility closure.

V. CLOSURE

1. Closure.

The owner or operator shall close his facility in a manner that: (a) minimizes the need for further maintenance, and (b) controls, minimizes or eliminates, to the extent necessary to protect human health and the environment, post-closure escape of hazardous waste, hazardous waste constituents, leachate, contaminated rainfall, or waste decomposition products to the ground water, or surface waters, or to the atmosphere.

2. Closure plan and amendment of plan.

(a) The owner or operator shall have a written closure plan. This plan shall be subject to approval by the California Regional Water Quality Control Board and shall be kept at the facility. This plan shall identify the steps necessary to close the facility completely at any point during its intended life and at the end of its intended life. The closure plan shall include, at least:

(1) A description of how and when the facility will be partially closed, if applicable, and ultimately closed. The description shall identify the maximum extent of the operation which will be unclosed during the life of the facility, and how Item 1 and other applicable conditions of this document will be met;

(2) An estimate of the maximum inventory of wastes in storage or in treatment at any given time during the life of the facility;

(3) A description of the steps needed to decontaminate facility equipment during closure; and

(4) A schedule for final closure which shall include, as a minimum, the anticipated date when wastes will no longer be received, the date when completion of final closure is anticipated, and intervening milestone dates which will allow tracking of the progress of closure. (For example, the expected date for completing treatment or disposal of waste inventory shall be included, as must the planned date for removing any residual wastes from storage facilities and treatment processes.)

(b) The owner or operator may amend his closure plan at any time during the active life of the facility. (The active life of the facility is that period during which wastes are periodically received.) The owner or operator shall amend his plan any time changes in operating plans or facility design affect the closure plan.

(c) The owner or operator shall submit his closure plan to the California Regional Water Quality Control Board at least 180 days before the date he expects to begin closure. The California Regional Water Quality Control Board will modify, approve, or disapprove the plan within 90 days of receipt and after providing the owner or operator and the affected public (through a newspaper notice) the opportunity to submit written comments.

3. Time allowed for closure.

(a) Within 90 days after receiving the final volume of hazardous wastes, the owner or operator shall treat all hazardous wastes in storage or in treatment, or remove them from the site, or dispose of them on-site, in accordance with the approved closure plan.

(b) The owner or operator shall complete closure activities in accordance with the approved closure plan and within six months after receiving the final volume of wastes. The California Regional Water Quality Control Board may approve a longer closure period under Item 2 (c) if the owner or operator can demonstrate that: (1) the required or planned closure activities will, of necessity, take him longer than six months to complete, and (2) that he has taken all steps to eliminate any significant threat to human health and the environment from the unclosed but inactive facility.

4. Disposal or decontamination of equipment.

When closure is completed, all facility equipment and structures shall have been properly disposed of, or decontaminated by removing all hazardous waste and residues.

5. Certification of closure.

When closure is completed, the owner or operator shall submit to the California Regional Water Quality Control Board certification both by the owner or operator and by an independent registered professional engineer that the facility has been closed in accordance with the specifications in the approved closure plan.

VI. FINANCIAL RESPONSIBILITY

1. Cost estimate for facility closure.

   (a) The owner or operator shall have a written estimate of the cost of closing the facility in accordance with the applicable closure requirements of this document. The owner or operator shall keep this estimate, and all subsequent estimates, at the facility. The estimate shall equal the cost of closure at the point in the facility's operating life when the extent and manner of its operation would make closure the most expensive, as indicated by its closure plan.

   (b) The owner or operator shall prepare a new closure cost estimate whenever a change in the closure plan affects the cost of closure.

   (c) On each anniversary of the effective date of this document, the owner or operator shall adjust the latest closure cost estimate using an inflation factor derived from the annual Implicit Price Deflator for Gross National Product as published by the U.S. Department of Commerce in its *Survey of Current Business*. The inflation factor shall be calculated by dividing the latest published annual Deflator by the Deflator for the previous year. The result is the inflation factor. The adjusted closure cost estimate shall equal the latest closure cost estimate (see Item 1(b)) times the inflation factor.

VII. GROUND-WATER MONITORING

1. Ground-water monitoring.

(a) Effective November 19, 1981, the owner or operator shall implement a ground-water monitoring program which is capable of determining the facility's impact on the quality of ground water in the uppermost aquifer underlying the facility. A ground-water monitoring system shall be part of the ground-water monitoring program. The ground-water monitoring system shall be capable of yielding ground-water samples for analysis, and shall consist of:

(1) Monitoring wells (at least one) installed hydraulically upgradient (i.e., in the direction of increasing static head) from the limit of the waste management area. Their number, locations, and depths shall be sufficient to yield ground-water samples that are:

(i) Representative of background ground-water quality in the uppermost aquifer near the facility; and

(ii) Not affected by the facility; and

(2) Monitoring wells (at least three) installed hydraulically downgradient (i.e., in the direction of decreasing static head) at the limit of the waste management area. Their number, locations, and depths shall ensure that they immediately detect any statistically significant amounts of hazardous waste or hazardous waste constituents that migrate from the waste management area to the uppermost aquifer.

(b) All monitoring wells shall be cased in a manner that maintains the integrity of the monitoring well bore hole. This casing shall be screened or perforated, and packed with gravel or sand where necessary, to enable sample collection at depths where appropriate aquifer flow zones exist. The annular space (i.e., the space between the bore hole and well casing) above the sampling depth shall be sealed with a suitable material (e.g., cement grout or bentonite slurry) to prevent contamination of samples and the ground water.

2. Sampling and analysis.

(a) The owner or operator shall obtain and analyze samples from the installed groundwater monitoring system. The owner or operator shall follow a ground-water sampling and analysis plan. The plan shall be subject to approval by the California State Department of Health Services and shall be kept at the facility. The plan shall include procedures and techniques for:

(1) Sample collection;

(2) Sample preservation and shipment;

(3) Analytical procedures; and

(4) Chain of custody control.

(b) The owner or operator shall determine the concentration or value of the following parameters in ground-water samples in accordance with Item 2(c) and (d):

(1) Parameters characterizing the suitability of the ground water as a drinking water supply as specified by EPA in Appendix III, Part 265, Title 40, Code of Federal Regulations.

(2) Parameters establishing ground-water quality:

(i) Chloride
(ii) Iron
(iii) Manganese
(iv) Phenols
(v) Sodium
(vi) Sulfate

(3) Parameters used as indicators of ground-water contamination:

(i) pH
(ii) Specific Conductance
(iii) Total Organic Carbon
(iv) Total Organic Halogen

(c) (1) For all monitoring wells, the owner or operator shall establish initial background concentrations or values of all parameters specified in Item 2(b). This shall be done quarterly for one year.

(2) For each of the indicator parameters specified in Item 2 (b)(3), at least four replicate measurements shall be obtained for each sample and the initial background arithmetic mean and variance shall be determined by pooling the replicate measurements for the respective parameter concentrations or values in samples obtained from upgradient wells during the first year.

(d) After the first year, all monitoring wells shall be sampled and the samples analyzed with the following frequencies:

(1) Samples collected to establish ground-water quality shall be obtained and analyzed for the parameters specified in Item 2(b)(2) at least annually.

(2) Samples collected to indicate ground-water contamination shall be obtained and analyzed for the parameters specified in Item 2(b)(3) at least semi-annually.

(e) Elevation of the ground-water surface at each monitoring well shall be determined each time a sample is obtained.

3. Preparation, evaluation, and response.

(a) By November 19, 1981, the owner or operator shall prepare an outline of a ground-water quality assessment program. The outline shall describe a more comprehensive ground-water monitoring program (than that described in Items 1 and 2) capable of determining:

(1) Whether hazardous waste or hazardous waste contituents have entered the ground water.

(2) The rate and extent of migration of hazardous waste or hazardous waste constituents in the ground water; and

(3) The concentrations of hazardous waste or hazardous waste constituents in the ground water.

(b) For each indicator parameter specified in Item 2(b)(3), the owner or operator shall calculate the arithmetic mean and variance, based on at least four replicate measurements on each sample, for each well monitored in accordance with Item 2(d)(2), and compare these results with its initial background arithmetic mean. The comparison shall consider individually each of the wells in the monitoring system, and shall use the Student's t-test at the 0.01 level of significance to determine statistically significant increases (and decreases, in the case of pH) over initial background.

(c) (1) If the comparisons for the upgradient wells made under Item 3(b) show a significant increase (or pH decrease), the owner or operator shall submit this information in accordance with Item 4(a)(2)(ii).

(2) If the comparisons for downgradient wells made under Item 3 (b) show a significant increase (or pH decrease), the owner or operator shall immediately obtain additional ground-water samples from those downgradient wells where a significant difference was detected, split the samples in two, and obtain analyses of all additional samples to determine whether the significant difference was a result of laboratory error.

(d) (1) If the analyses performed under Item 3(c)(2) confirm the significant increase (or pH decrease), the owner or operator shall provide written notice to the California Regional Water Quality Control Board within seven days of the date of such confirmation, that the facility may be affecting ground-water quality.

(2) Within 15 days after the notification under Item 3(d)(1), the owner or operator shall develop and submit to the California Regional Water Quality Control Board for approval a specific plan, based on the outline required under Item 3(a) and certified by a qualified geologist or geotechnical engineer, for a ground-water quality assessment program at the facility.

(3) The plan to be submitted under Item 3(d)(2) shall specify:

(i) The number, location, and depth of wells;

(ii) Sampling and analytical methods for those hazardous wastes or hazardous waste constituents in the facility;

(iii) Evaluation procedures, including any use of previously gathered ground-water quality information; and

(iv) A schedule of implementation.

(4) The owner or operator shall implement the ground-water quality assessment plan which satisfies Item 3(d)(3), and, at a minimum, determine:

(i) The rate and extent of migration of the hazardous waste or hazardous waste constituents in the ground water; and

(ii) The concentrations of the hazardous waste or hazardous waste constituents in the ground water.

(5) The owner or operator shall make the first determination under Item 3(d)(4) as soon as technically feasible, and, within 15 days after that determination, submit to the California Regional Water Quality Control Board a written report containing an assessment of the ground-water quality.

(6) If the owner or operator determines, based on the results of the first determination under Item 3(d)(4), that no hazardous waste or hazardous waste constituents from the facility have entered the ground water, the indicator evaluation program described in Item 2 and Item 3(b) shall be reinstated. When the owner or operator reinstates the indicator evaluation program he shall notify the California Regional Water Quality Control Board in the report submitted under Item 3(d)(5).

(7) If the owner or operator determines, based on the first determination under Item 3(d)(4), that hazardous waste or hazardous waste constituents from the facility have entered the ground water, then:

(i) The determinations required under Item 3(d)(4) shall continue to be made on a quarterly basis until final closure of the facility, if the ground-water quality assessment plan was implemented prior to final closure of the facility; or

(ii) The determinations required under Item 3(d)(4), may cease to be made if the ground-water quality assessment plan was implemented during the post-closure care period.

(e) Any ground-water quality assessment to satisfy the requirements of Item 3(d)(4) which is initiated prior to final closure of the facility shall be completed and reported in accordance with Item 3(d)(5).

(f) Unless the ground water is monitored to satisfy Item 3(d)(4), at least annually the owner or operator shall evaluate the data on ground-water surface elevations obtained under Item 2(e) to determine whether the requirements under Item 1(a) for locating the monitoring wells continues to be satisfied. If the evaluation shows that Item 1(a) is no longer satisfied, the owner or operator shall immediately modify the number, location, or depth of the monitoring wells to bring the ground-water monitoring system into compliance with this condition.

4. Recordkeeping and reporting.

(a) Unless the ground water is monitored to satisfy the requirements of Item 3(d)(4), the owner or operator shall:

(1) Keep records of the analyses required in Item 2(c) and (d), the associated ground-water surface elevations required in Item 2(e), and the evaluations required in Item 3(b) throughout the active life of the facility; and

(2) Report the following ground-water monitoring information to the California Regional Water Quality Control Board:

(i) During the first year when initial background concentrations are being established for the facility: Concentrations or values of the parameters listed in Item 2(b)(1) for each ground-water monitoring well within 15 days after completing each quarterly analysis. The owner or operator shall separately identify for each monitoring well any parameters whose concentration or value has been found to exceed the maximum contaminant levels specified by EPA in Appendix III, Part 265, Title 40, Code of Federal Regulations.

(ii) Annually: Concentrations or values of the parameters listed in Item 2(b)(3) for each ground-water monitoring well, along with the required evaluations for these parameters under Item 3(b). The owner or operator shall separately identify any significant differences from initial background found in the upgradient wells, in accordance with Item 3(c)(1). During the active life of the facility, this information shall be submitted as part of the annual report required elsewhere in this document.

(iii) As a part of the annual report required elsewhere in this document: Results of the evaluation of ground-water surface elevations under Item 3(f), and a description of the response to that evaluation, where applicable.

(b) If the ground water is monitored to satisfy Item 3(d)(4), the owner or operator shall:

(1) Keep records of the analyses and evaluations specified in the plan, which satisfies Item 3(d)(3), throughout the active life of the facility; and

(2) Annually, until final closure of the facility, submit to the California Regional Water Quality Control Board a report containing the results of his ground-water quality assessment program which includes, but is not limited to, the calculated (or measured) rate of migration of hazardous waste or hazardous waste constituents in the ground water during the reporting period. This report shall be submitted as part of the annual report required elsewhere in this document.

5. Waiver

The foregoing conditions may be waived if the owner or operator can demonstrate in writing to the satisfaction of the California Regional Water Quality Control Board that there is a low potential for migration of hazardous waste or hazardous waste constituents from the facility via the uppermost aquifer to water supply wells or to surface water.

VIII. CHEMICAL, PHYSICAL, AND BIOLOGICAL TREATMENT

1. Operation.

   (a) Chemical, physical, or biological treatment of hazardous waste shall comply with Item 7 (b), Part III of this document.

   (b) Hazardous wastes or treatment reagents shall not be placed in the treatment process or equipment if they could cause the treatment process or equipment to rupture, leak, corrode, or otherwise fail before the end of its intended life.

   (c) If hazardous waste is continuously fed into the treatment process or equipment, the process or equipment shall be equipped with a means to stop this inflow (e.g., a waste feed cut-off system or by-pass system to a standby containment device).

2. Analysis of waste.

   (a) Whenever:

      (1) A hazardous waste which is substantially different from waste previously treated in a treatment process or equipment at the facility is to be treated in that process or equipment, or

      (2) A substantially different process than any previously used at the facility is to be used to treat hazardous waste chemically, the owner or operator shall, before treating the different waste or using the different process or equipment:

         (i) Conduct waste analyses and trial treatment tests (e.g., bench scale or pilot plant scale tests); or

         (ii) Obtain documented information on similar treatment of similar waste under similar operating conditions;

      to show that this proposed treatment will meet all applicable requirements of Item 1 (a) and (b).

3. Inspections.

   (a) The owner or operator shall inspect, where present:

      (1) Discharge control and safety equipment (e.g., waste feed cut-off systems, by-pass systems, drainage systems, and pressure relief systems) at least once each operating day, to ensure that it is in good working order:

(2) Data gathered from monitoring equipment (e.g., pressure and temperature gauges), at least once each operating day, to ensure that the treatment process or equipment is being operated according to its design;

(3) The construction materials of the treatment process or equipment, at least weekly, to detect corrosion or leaking of fixtures or seams; and

(4) The construction materials of, and the area immediately surrounding, discharge confinement structures (e.g., dikes), at least weekly, to detect erosion or obvious signs of leakage (e.g., wet spots or dead vegetation).

4. Closure.

At closure, all hazardous waste and hazardous waste residues shall be removed from treatment processes or equipment, discharge control equipment, and discharge confinement structures.

5. Ignitable or reactive waste.

(a) Ignitable or reactive waste shall not be placed in a treatment process or equipment unless:

(1) The waste is treated, rendered, or mixed before or immediately after placement in the treatment process or equipment so that the resulting waste, mixture, or dissolution of material no longer meets the definition of ignitable or reactive waste, and the requirements of Item 7 (b), Part III of this document are met; or

(2) The waste is treated in such a way that it is protected from any material or conditions which may cause the waste to ignite or react.

6. Incompatible wastes.

(a) Incompatible wastes, or incompatible wastes and materials, shall not be placed in the same treatment process or equipment, unless the requirements of Item 7 (b), Part III of this document are met.

(b) Hazardous waste shall not be placed in unwashed treatment equipment which previously held an incompatible waste or material, unless the requirements of Item 7 (b), Part III of this document are met.

IX. SURFACE IMPOUNDMENTS

1. Freeboard

The surface impoundment(s) shall maintain enough freeboard (at least 60 centimeters (2 feet)) to prevent any overtopping of the dike by overfilling, wave action, or a storm.

2. Dikes

All earthen dikes shall have a protective cover, such as grass, shale, or rock, to minimize wind and water erosion and to preserve their structural integrity.

3. Analysis of waste

(a) Whenever a surface impoundment is to be used for:

(1) Chemically treating a hazardous waste which is substantially different from waste previously treated in that impoundment; or

(2) Chemically treating hazardous waste with a substantially different process than any previously used in that impoundment; the owner or operator shall, before treating the different waste or using the different process:

(i) Conduct waste analyses and trial treatment tests (e.g., bench scale or pilot plant scale tests); or

(ii) Obtain documented information on similar treatment of similar waste under similar operating conditions; to show that this treatment will comply with Item 7(b), Part III of this document.

4. Inspections

(a) The owner or operator shall inspect:

(1) The freeboard level at least once each operating day to ensure compliance with Item 1; and

(2) The surface impoundment, including dikes and vegetation surrounding the dikes, at least once a week to detect any leaks, deterioration, or failures in the impoundment.

5. Closure and post-closure

(a) At closure, the owner or operator may elect to remove from the impoundment:

(1) Standing liquids;

(2) Waste and waste residues;

(3) The liner, if any; and

(4) Underlying and surrounding contaminated soil.

(b) If the owner or operator removes all the impoundment materials listed in Item 5(a), or can demonstrate that none of the materials listed in Item 5(a) remaining at any stage of removal are hazardous wastes, the impoundment is not further subject to the requirements of this document.

(c) If the owner or operator does not remove all the impoundment materials listed in Item 5(a) or does not make the demonstration in Item 5(b), he shall close the impoundment and provide post-closure care as specified elsewhere in this document. If necessary to support the final cover specified in the approved closure plan, the owner or operator shall treat remaining liquids, residues, and soils by removal of liquids, drying, or other means.

6. Ignitable or reactive wastes

(a) Ignitable or reactive waste shall not be placed in a surface impoundment, unless:

(1) The waste is treated, rendered, or mixed before or immediately after placement in the impoundment so that:

(i) The resulting waste, mixture, or dissolution of material no longer meets the definition of ignitable or reactive waste; and

(ii) The requirements of Item 7(b), Part III of this document are met; or

(2) The surface impoundment is used solely for emergencies.

7. Incompatible wastes

Incompatible wastes, or incompatible wastes and materials, shall not be placed in the same surface impoundment, unless the requirements of Item 7(b), Part III of this document are met.

X. STORAGE OF CONTAINERS

1. Condition.

   If a container holding hazardous waste is not in good condition, or if it begins to leak, the owner or operator shall transfer the hazardous waste from this container to a container that is in good condition, or manage the waste in some other way that complies with the conditions of this document.

2. Compatibility of waste.

   The owner or operator shall use a container made of or lined with materials which will not react with, and are otherwise compatible with, the hazardous waste to be stored, so that the ability of the container to contain the waste is not impaired.

3. Management.

   (a) A container holding hazardous waste shall remain closed during storage, except when it is necessary to add or remove waste.

   (b) A container holding hazardous waste shall not be opened, handled, or stored in a manner which might rupture the container or cause it to leak.

4. Inspections.

   The owner or operator shall inspect areas where containers are stored, at least weekly, looking for leaks and for deterioration caused by corrosion or other factors.

5. Ignitable or reactive waste.

   Containers holding ignitable or reactive waste shall be situated at least 15 meters (50 feet) from the property line of the facility.

6. Incompatible wastes.

   (a) Incompatible wastes, or incompatible wastes and materials, shall not be placed in the same container, unless the requirements of Item 7 (b), Part III of this document are met.

   (b) Hazardous waste shall not be placed in an unwashed container that previously held an incompatible waste or material unless the requirements of Item 7 (b), Part III of this document are met.

(c) A storage container holding a hazardous waste that is incompatible with any waste or other materials stored nearby in other containers, piles, open tanks, or surface impoundments shall be separated from the other materials or protected from them by means of a dike, berm, wall, or other device.

ENVIRONMENTAL HEALTH SERVICES

COUNTY OF SAN BERNARDINO
ENVIRONMENTAL
PUBLIC WORKS AGENCY

☒ 385 North Arrowhead Avenue · San Bernardino, CA 92415-0160 · (714) 383-1617
☐ 320 East "D" Street · Ontario, CA 91764 · (714) 988-1324
☐ 15579 Eighth Street · Victorville, CA 92392 · (714) 245-3216
☒ Hazardous Waste/Toxics Control (714) 383-7170

PLEASE REPLY TO ADDRESS CHECKED

KENNETH C. TOPPING
Deputy Administrator
Community Development
RICHARD L. ROBERTS, R.S., M.P.H
Director

Also serving the cities of:

Adelanto	*Needles*
Barstow	*Ontario*
Big Bear Lake	*Rancho Cucamonga*
Chino	*Redlands*
Colton	*Rialto*
Fontana	*San Bernardino*
Grand Terrace	*Upland*
Loma Linda	*Victorville*
Montclair	

June 22, 1984

SOUTHERN CALIFORNIA EDISON COMPANY
8996 Etiwanda Avenue
Etiwanda, CA 91739

SUBJECT: DELIVERY OF HAZARDOUS WASTE GENERATOR PERMIT

This Department has received and processed your Hazardous Waste Generator Permit Application. Enclosed please find a receipt verifying payment. Your permit will be delivered to you upon inspection of your facility. Until that time, the enclosed receipt will be sufficient proof of payment of your fees.

Richard L. Roberts, R.S.

RICHARD L. ROBERTS, R.S. MPH
Director

RLR:aop

Enclosure

To Steve

Date 12-13 Time 2:30

WHILE YOU WERE OUT

M. Darrel Hoyt

of

Phone 714 796-2426
Area Code Number Extension

TELEPHONED		PLEASE CALL	
CALLED TO SEE YOU		WILL CALL AGAIN	
WANTS TO SEE YOU		URGENT	
RETURNED YOUR CALL			

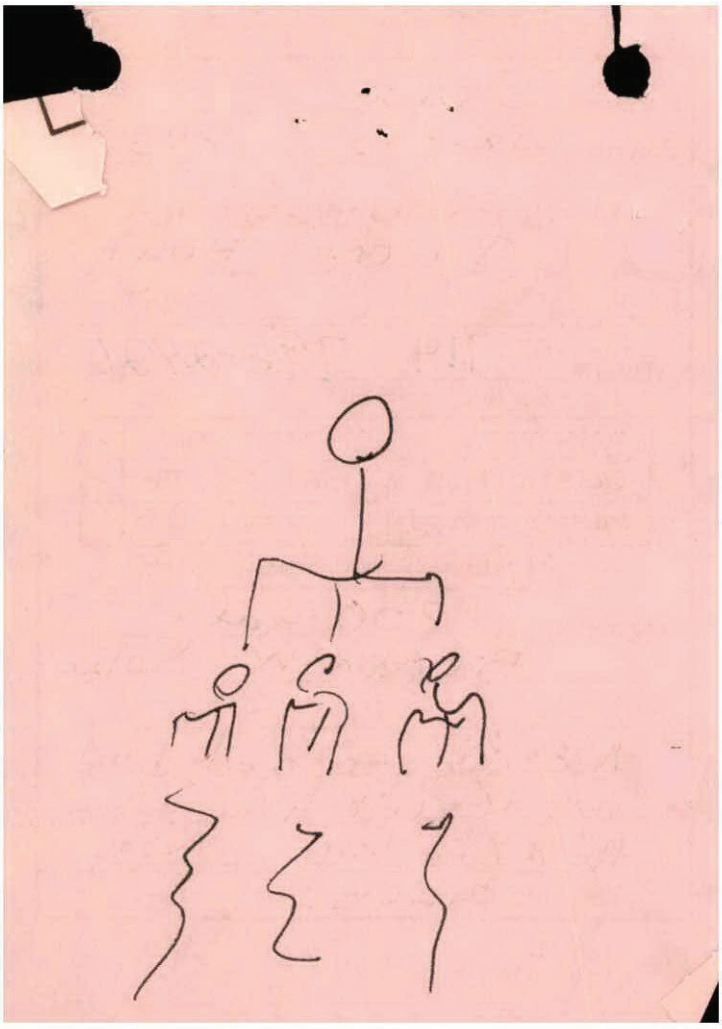
Message 200 gal-
Fountain Soln.

Needs to get rid
of - I Gave him some
# of haulers VB
recyclers

Operator

AMPAD
EFFICIENCY®

23-020



SCE Etiwanda

10-18-85

SCE plant, Fontana
Rick Nelson, F.D.

(12 or so)
many drums by gate, "full of dirt"
don't know if its hazardous or not —
could be from TAMCO spill.

Facing Etiwanda, south of guard shack, up against fence, main gate

Edison has been put on bottled water.

Arlene

Would like generator ~~Hand Books~~ — Send Him 20

Foothill Fire
Rick Nelson

SUS

Pete

7-10-85

Bob Goodson
So Cal Edison
818-302-1831

Etiwanda Generating Station

Bob Goodson - SoCal Edison
WQCB (Bruce Bain)
Etiwanda Gen Station
Neg Mtg, Tamco
10,000 gal oil spill
went onto Edison property
contaminated large region
site characterization study, ordered
by WQCB Board
Have finished preliminary Report -
no definite conclusions.
Will send Simple Report results
to us.

WQCB still lead agency -
just wants to keep us informed.

Steve

cc to Regional Board
Tamco

Contact Person for
all So. Cal. Edison
plants



type card - put on front of
each file - "Attn. inspector!"

Jim King
Dist Mng.
So Cal Gas

East county / Desert

798-7941
Redlands / San Bernardino

MANIFEST MATCHING REPORT - COUNTY 36 SAN BERNARDINO
TSD COPY MISSING - 60 DAYS AFTER DATE OF SHIPMENT

GENERATOR	TRANSPORTER	TSD - DESIGNATED
CAD079548574	CAD000048934	CAD067786749
SOUTHERN CALIFORNIA EDISON ETIWANDA	FALCON DISPOSAL SERVICE	BKK SANITARY LANDFILL
8996 ETIWANDA AVE	FALCON DISPOSAL SERVICE	2210 SOUTH AZUSA AVENUE
	3031 EAST I ST.	
ETIWANDA CA 91739	WILMINGTON, CA 90744	WEST COVINA CA 91792
	KAZARIAN JR	JOSEPH R JOHNSON VP
	(213) 590-8531	(213) 539-7150

DATE OF SHIPMENT	MANIFEST NUMBER	BATCH DATE	BATCH NBR
10-12-83	83161986	831212	003
10-11-83	83125652	831212	003
10-06-83	83161777	831212	003
10-07-83	83161778	831212	003
10-12-83	83161970	831212	003
10-12-83	83161971	831212	003
10-18-83	83125722	831212	003
10-19-83	83161979	831212	003
10-12-83	83161984	831212	003
10-11-83	83125653	831212	003
10-07-83	83125663	831212	003
10-13-83	83161996	831219	002

FESTS: 12

MANIFEST MATCHING REPORT - COUNTY 36 SAN BERNARDINO
TSD COPY MISSING - 60 DAYS AFTER DATE OF SHIPMENT

GENERATOR	TRANSPORTER	TSD - DESIGNATED
CAD079548574	CAD000057760	CAD067786749
SOUTHERN CALIFORNIA EDISON ETIWANDA	IT CORPORATION	BKK SANITARY LANDFILL
8996 ETIWANDA AVE	IT CORPORATION	2210 SOUTH AZUSA AVENUE
	P. O. BOX 1256	
ETIWANDA CA 91739	WILMINGTON, CA 90748	WEST COVINA CA 91792
	SIMONSEN	JOSEPH R JOHNSON VP
	(213) 830-1781	(213) 539-7150

DATE OF SHIPMENT	MANIFEST NUMBER	BATCH DATE	BATCH NBR
10-12-83	83161988	831212	003
10-11-83	83161975	831212	003
10-13-83	83161987	831212	003
10-18-83	83125728	831212	003
10-13-83	83161989	831212	003
10-18-83	83125729	831212	003
10-07-83	83125666	831212	003
10-18-83	83125727	831212	003
10-18-83	83125739	831212	003
10-18-83	83125724	831212	003
10-07-83	83125660	831212	003
10-18-83	83125743	831212	003
10-07-83	83125665	831212	003
10-19-83	83161980	831212	003
10-11-83	83161972	831212	003
10-18-83	83125723	831212	003
10-19-83	83125720	831212	003
10-07-83	83161775	831212	003
10-07-83	83125669	831212	003
10-19-83	83161982	831212	003
10-07-83	83125668	831212	003
10-11-83	83161974	831212	003

FESTS: 22

MANIFEST MATCHING REPORT - COUNTY 36 SAN BERNARDINO
TSD COPY MISSING - 60 DAYS AFTER DATE OF SHIPMENT

GENERATOR	TRANSPORTER	TSD - DESIGNATED
CAD079548574	CAD048498463	CAD067786749
SOUTHERN CALIFORNIA EDISON ETIWANDA	CHANCELLOR & OGDEN	BKK SANITARY LANDFILL
8996 ETIWANDA AVE	CHANCELLOR & OGDEN	2210 SOUTH AZUSA AVENUE
	2530 237TH STREET	
ETIWANDA CA 91739	TORRANCE, CA 90505	WEST COVINA CA 91792
	MILLER	JOSEPH R JOHNSON VP
	(213) 432-8461	(213) 539-7150

DATE OF SHIPMENT	MANIFEST NUMBER	BATCH DATE	BATCH NBR
10-17-83	83125726	831212	003
10-13-83	83161977	831212	003
10-12-83	83161994	831212	003
10-12-83	83161992	831212	003
10-13-83	83161976	831212	003
10-12-83	83161995	831212	003
10-17-83	83125736	831212	003

FESTS: 7

TRACKING SHEET FOR BUSINESS PLANS FA 2943

Reliant Energy
8996 Etiwanda, RC

DATE	ACTION/DOCUMENTATION
2/26/10	BP Processed. JPR
3/1/11	BP Processed. Complete Plan. FD 3-2-11. JPR
6/27/11	BP Approved.
/ /	
/ /	
/ /	
/ /	
/ /	
/ /	
/ /	
/ /	
/ /	
/ /	
/ /	
/ /	
/ /	
/ /	
/ /	
/ /	
/ /	
/ /	
/ /	

TRACKING SHEET FOR BUSINESS PLANS

FA0002943
Establishment #

Facility Name: Etiwanda Generating Station

Facility site address: 8996 Etiwanda Ave.

City: Rancho Cucamonga

Fire Agency: West Valley

_____ (# of copies) Sent to FD

Business Plan Received __/__/__ __/__/__

Result of Review(s)

Deficiency __/__/__

Conditional Approval __/__/__

Approval __/__/__

Sent to FD

Revised Plan(s) Received __/__/__ __/__/__

__/__/__ __/__/__

Other

Date	Action/documentation (update, new plan, etc.)	Staff Hours
8/28/03	Plan submitted 2/28/03 accepted	
3/1/04	BP submitted processed 2/5/07 GB	
1/18/05	updated contact info submitted	
2/28/05	BP submitted processed 2/5/07 GB	
2/28/06	BP submitted processed 2/5/07 GB	
2/27/07	BP - complete submittal recd - FD 2-28-07 VH	
2/28/08	BP- complete submittal recd - FD 2-28-08 VH	
6/26/08	BP accepted. any corrections to be noted in the inspection report. Insp. on 6-25-08. VH	
__/__/__		
02/27/09	BP received 2-27-09 - FD	
10/6/09	BP processed	

TRACKING SHEET FOR BUSINESS PLANS

86008879
Establishment #

Facility Name: Etiwanda Generating Station

Facility site address: 8996 Etiwanda Ave.

City: Rancho Cucamonga

Fire Agency: West Valley

Initial BP submittal

1 (# of copies)

Sent to FD

Business Plan Received 5/28/99

8/4/99

Result of Initial Review

Deficiency	/ /
Conditional Approval	7/12/99
Approval	8/4/99

Subsequent or Other Activities

Date	Action/documentation (update, new plan, phone consultation etc.)	Staff	Hrs
7/12/99	Processed BP- new plan cond approval KR		.5
7/12/99	MSDS update KR		1
7/22/99	BP update - Corrected inventory approved KR	FD	.5
8/4/99	MSDS update KR		.5
3/3/00	Update - Emergency Contacts		
12/8/00	MSDS update CA		
8/21/00	New BP received / Approval letter sent 3-15-01		
8/28/03	Updated file + removed calARP related doc. to new CalARP file - plan of 2/28/03 accepted. New emergency contacts. Added CalARP + EPCRA permits - KB		

TRACKING SHEET FOR BUSINESS PLANS

Facility Name:

Facility Site Address: MOUNTAIN VISTA POWER GENERATION

City: 8996 ETIWANDA AVENUE, R.CUCAMONGA

Fire Agency: MSDS

Trade Secrets: _____ Y _____ N

		Sent to FD	Sent to PD
3	(# of copies)		
Business Plan Received	5/19/98	11/5/98	/ /
Result of Review (s)			
Deficiency	/ /		
Conditional Approval	/ /		
Approval	10/5/98		

		Sent to FD	Sent to PD
Revised Plan(s) Received	/ /	/ /	/ /
	/ /	/ /	/ /
	/ /	/ /	/ /

Other

Date	Action/documentation (update, new plan, etc.)
11/3/98	Approval: KA
11/10/98	MSDS entered
/ /	
/ /	
/ /	
/ /	
/ /	
/ /	
/ /	
/ /	
/ /	
/ /	

TRACKING SHEET FOR BUSINESS PLANS

Facility Name: Etiwanda Generating Station

Facility site address: 8996 Etiwanda Ave.

City: Etiwanda

Fire Agency:

Trade Secrets: _____ Y _____ N

MSDS

		Sent to FD	Sent to FD
_____ (# of copies)			
Business Plan Received	9/__/87	__/__/__	__/__/__
Result of Review(s)			
Deficiency		6/3/88	10/24/88
Conditional Approval		5/8/91	
Approval		11/4/91	
Revised Plan(s) Received x3	2/28/91	5/8/91	__/__/__
	9/5/91	11/4/91	__/__/__
	__/__/__	__/__/__	__/__/__

Other

Date	Action/documentation (update, new plan, etc.)
~~3-22-95~~	~~BP update~~ ~~BP/FD 7-19-95~~
4/21/95	Spoke to Paul LaCroix RE: Maps
4/21/95	follow-up dy letter
8/22/95	update Approved / BP/FD 9-7-95
9/10/96	update PS 1-8 / Inv. Summary FD 9-19-96
10/23/96	MSDS BP extend OA
__/__/__	
__/__/__	
__/__/__	
__/__/__	
__/__/__	
__/__/__	
__/__/__	
__/__/__	

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South 'E' Street, San Bernardino, CA 92415-0153
(909) 386-8401 • FAX (909) 386-8460 • www.sbcfire.org

OFFICE USE ONLY
☐ CERS _____
☐ Envision _____
☐ Email Notification _____
☐ Approved ☐ Denied
☐ CUPA File

ELECTRONIC REPORTING INITIAL LEAD BUSINESS USER AUTHORIZATION FORM

For more information, see: http://www.sbcfire.org/hazmat/efile.asp or http://www.calepa.ca.gov/CUPA/EReporting/

Note: All Unified Program data identified in Title 27 of the California Code of Regulations must be filed electronically by January 1, 2013. This includes the business activities declaration, owner/operator identification, and chemical inventory from the business emergency/contingency plan; the underground storage tank facility, tank, and monitoring forms; recyclable materials forms; onsite hazardous waste treatment and remote waste consolidation site notifications; and hazardous waste tank closure certifications. The purpose of the Electronic Reporting Initial Lead Business User Authorization Form is to ensure that only individuals designated by the facility owner/operator are authorized by the CUPA to create, edit, and submit electronic data on the owner's behalf to the statewide system, known as the California Environmental Reporting System (CERS). The initial business user authorized by the CUPA to have access to a facility on CERS is designated as a lead business user. Lead business users have the ability to add additional lead or standard business users, approve or reject other access requests, or delete other users for any facility for which they are listed as a lead user.

*Check box if user is authorized to establish **new** sites for this owner.*

√ AUTHORIZED INITIAL LEAD BUSINESS USER

☐	Name	Title
	Charles Linder	Environmental Specialist
	Email Address	Contact Phone
	charles.linder@nrgenergy.com	909-899-7290

OWNER NAME	OWNER EMAIL ADDRESS
Etiwanda Generating Station	charles.linder@nrgenergy.com

OWNER MAILING ADDRESS	CITY	STATE	ZIP CODE	OWNER PHONE
8996 Etiwanda Avenue	Rancho Cucamonga	CA	91739	909-899-7290

Fill out the boxes below or attach a list of sites included in this authorization. ☐ **List of sites with the information below attached.**

FACILITY ID *(e.g., FA0123456)*	FACILITY NAME *(e.g., CUPA AUTO)*	SITE ADDRESS *(e.g., 123 N. MAIN ST.)*	CITY *(e.g., ANYTOWN)*
FA0002943	Etiwanda Generating Station	8996 Etiwanda Avenue	Rancho Cucamonga

☒ **I authorize the person and email address listed above to be the initial lead business user for the listed facilities. This includes the ability to create, edit, and submit compliance data for the listed facilities under their CUPA-designated facility ID numbers. I understand that as a lead business user this person may approve additional lead business users or standard business users, grant or reject facility access requests, and delete users from the facilities listed on this authorization form. I also understand the following conditions:**

- The Electronic Reporting System does not contain all of the documents that are required for a facility to be in compliance. The San Bernardino County CUPA may require additional documentation in order to implement local, state, and federal laws and regulations.
- Documents are still required to be maintained at each facility site in accordance with the statutes and regulations.
- At this time, the San Bernardino County CUPA requires all documents prepared on any electronic system to be signed and submitted on paper.

Comments:

Certification – I certify that I am the owner/operator or legal representative of each facility listed on this form. I understand that compliance documents prepared or submitted electronically are held to the same standard as their former paper equivalents.

SIGNATURE OF OWNER/OPERATOR OR LEGALLY DESIGNATED REPRESENTATIVE	DATE	NAME OF DOCUMENT PREPARER
Lee Moore	2/18/13	Charles Linder
NAME OF SIGNER (print)		TITLE OF SIGNER
Lee Moore		General Manager

OFFICE USE Notes: Initiation 2-19-13

Form Revised 5/25/11 Completed by: No Date: 2-19-13

OFFICE USE ONLY: DATE STAMP

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)

Etiwanda Generating Station

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Avenue	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
1	ACETYLENE	2,000	336	CUBIC FEET
2	AMMONIUM HYDROXIDE 19%	17,000	10,000	GALLONS
3	ARGON	6,000	336	CUBIC FEET
4	CARBON DIOXIDE	8,000	8,000	POUNDS
5	DIESEL OIL	220	55	GALLONS
6	SIMPLE GREEN	440	55	GALLONS
7	GASOLINE	300	250	GALLONS
8	HELIUM	3,000	336	CUBIC FEET
9	HYDRAZINE	800	530	POUNDS
10	HYDROGEN	82,000	3,400	POUNDS
11	NITROGEN (BULK TANK)	67,770	67,770	CUBIC FEET
12 12 A	NITROGEN (BOTTLE)	37,800	336	CUBIC FEET

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER *(print)* 136	DATE 134
	Lee J. Moore	**2-25-2010**

BP of 3-1-11
Replaces this plan.

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)

Etiwanda Generating Station

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Avenue	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
13 13 A	EPA PROTOCOL MIXTURE (126 PPM NITRIC OXIDE)	2,100	140	CUBIC FEET
14 14 A	EPA PROTOCOL MIXTURE GAS (3.08% OXYGEN, 1.91% HYDROGEN, 1.94% CARBON MONOXIDE, 93.07% NITROGEN)	2,100	140	CUBIC FEET
15 15 A	EPA PROTOCOL MIXTURE (9 ppm NITRIC OXIDE & NITROGEN)	2,100	140	CUBIC FEET
16 16 A	EPA PROTOCOL MIXTURE (22 ppm NITRIC OXIDE & NITROGEN)	2,100	140	CUBIC FEET
17 17 A	EPA PROTOCOL MIXTURE (56 ppm NITRIC OXIDE & NITROGEN)	2,100	140	CUBIC FEET
18 18 A	EPA PROTOCOL MIXTURE (92 ppm NITRIC OXIDE & NITROGEN)	2,100	140	CUBIC FEET
19	OXYGEN	6,700	336	CUBIC FEET

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER *(print)* 136	DATE 134
	Lee J. Moore	**2-25-2010**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)

Etiwanda Generating Station

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Avenue	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
20 20 A	EPA PROTOCOL MIXTURE (2 % OXYGEN & NITROGEN)	2,100	140	CUBIC FEET
21 21 A	EPA PROTOCOL MIXTURE (5 % OXYGEN & NITROGEN)	2,100	140	CUBIC FEET
22 22 A	EPA PROTOCOL MIXTURE (11 % OXYGEN & NITROGEN)	2,100	140	CUBIC FEET
23 23 A	EPA PROTOCOL MIXTURE (17 % OXYGEN & NITROGEN)	2,100	140	CUBIC FEET
24	MISCELLANEOUS OIL AND LATEX BASE PAINT AND THINNER	110	55	GALLONS
25	PROPANE	150	75	GALLONS
26	SODIUM CARBONATE (SODA ASH)	2,000	50	POUNDS
27	SODIUM HYDROXIDE NaOH	100	100	GALLONS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER *(print)* 136	DATE 134
	Lee J. Moore	**2-25-2010**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)

Etiwanda Generating Station

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Avenue	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
28	SODIUM HYPOCHLORITE	9,000	3,000	GALLONS
29	TRISODIUM PHOSPHATE (TSP)	500	50	POUNDS
30	SULFURIC ACID H_2SO_4	355,074	170,435	POUNDS
31 / 31 A / 31 B	SHELL TURBINE OIL	54,000	15,000	GALLONS
32 / 32 A / 32 B	MINERAL OIL (DIELECTRIC OIL / TRANSFORMER OIL)	144,361	19,870	GALLONS
33	SULFURIC ACID (LEAD ACID BATTERIES)	19,152	56	POUNDS
34	SODIUM NITRITE	400	50	POUNDS
35	CALCIUM HYPOCORITE TABLETS (CHLORINE TABLETS)	2,200	55	POUNDS
36	NALCO DYNACOOL 1383	750	750	GALLONS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER *(print)* 136	DATE 134
	Lee J. Moore	**2-25-2010**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)

Etiwanda Generating Station

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Avenue	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
37	NALCO 73202 (SODIUM BISULFATE)	2,400	1,200	GALLONS
38	NALCO 3D TRASAR 3DT199 (SODIUM BENZOTRIAZOLE)	1,400	700	GALLONS
39	NALCO 7468 (HYDRATED SILICA)	200	5	GALLONS
40	NALCO 8338 (SODIUM NITRITE)	750	55	GALLONS
41	NALCO 8322 (SODIUM HYDROXIDE)	200	5	GALLONS
42	NALCO 7330 (5-CHLORO-2-METHYL-4-ISOTHIAZOLIN-3-ONE)	200	5	GALLONS
43	SODIUM BISULFITE	75	75	GALLONS
44	RYD LYME (HYDROGEN CHLORIDE – AQUEOUS)	165	55	GALLONS
45	ASBESTOS	450,000	10,000	POUNDS
46	COOLING TOWER SLUDGE	500,000	48,000	POUNDS
47	COOLING TOWER WOOD	120,000	80,000	POUNDS
48	GRIT / DUCT SWEEP	6,400	800	POUNDS
49	GREASE, FUEL OIL, TAR	55	55	GALLONS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER *(print)* 136	DATE 134
	Lee J. Moore	**2-25-2010**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)

Etiwanda Generating Station

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Avenue	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
50	MERCURY DEBRIS	50	50	POUNDS
51	MERCURY	10	10	POUNDS
52	OIL, OILY DEBRIS, SOIL	30,000	500	POUNDS
53	OIL / WATER SEPARATOR SLUDGE / SOLID	7,500	5,000	GALLONS
54	OIL WITH SOLVENT	5,280	55	GALLONS
55	PAINT CHIPS / DEBRIS WITH LEAD	300	300	POUNDS
56	PAINT SOLIDS / SLUDGE	55	55	GALLONS
57	PCB OIL / DEBRIS (>2 PPM TO 50 PPM)	55	55	GALLONS
58	PCB OIL / DEBRIS (>50 PPM TO <4,999 PPM)	55	55	GALLONS
59 59 A	UNIVERSAL WASTE	600	27	CUBIC FEET
60	WASTE SANDBLAST GRIT	55	55	GALLONS
61 61 A	WASTE OIL	5,000	2,000	GALLONS

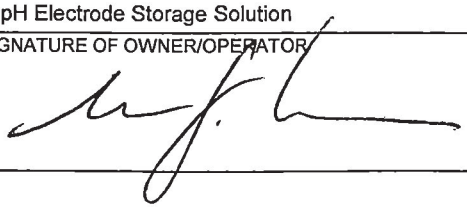
Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
	Lee J. Moore	**2-25-2010**

Etiwanda Chemical Lab Chemical Inventory

Chemical	Maximum Quantity
Molybdate Reagent Powder Pillows (10 ml sample)	500 Pillows (2lbs)
Acid Reagent Powder Pillows (10 ml sample)	500 Pillows (2lbs)
Citric Acid Powder Pillows (10 ml sample)	500 Pillows (2lbs)
Amino Acid F Reagent Powder Pillows	500 Pillows (2lbs)
Molybdate 3 Reagent	2 Liters
DPD Free Chlorine Reagent (10 ml sample)	3 Bottles (1.5 lbs)
DPD Total Chlorine Reagent (10 ml sample)	3 Bottles (1.5 lbs)
Formazin Turbidity Standard 4000 FNU	1 Liter
ORP Standard	1.5 Liters
Chlorine Reference Standard Solution 1ppm	1.5 Liters
Silica Standard Solution 1ppm	1 Liter
EDTA Solution (0.01 M, 0.02 N)	2 Liters
Molybdovanadate Reagent	1 Liter
Potassium Chloride (KCl) Reference Filling Solution	2 Liters
Ag/AgCl Reference Filling Solution	1 Liter
Buffer Solution pH 4.00	1 Gallon
Buffer Solution pH 7.00	2 Gallons
Buffer Solution pH 10.00	2 Gallons
Amino Acid F Reagent Powder	300 Pillows (1.5 lbs)
Amino Acid F Dilution Solvent	2.5 Liters
Buffer Solution Hardness 1 (Total Hardness)	300 Milliliters
Potassium Hydroxide Solution 8N (Calcium Hardness)	300 Milliliters
Triazole Reagent Powder Pillow	300 Pillows (1.5 lbs)
NitraVer 5 Nitrate Reagent Powder Pillow	300 Pillows (1.5 lbs)
NitriVer 2 Nitrite Reagent Powder Pillow	300 Pillows (1.5 lbs)
ManVer 2 Hardness Indicator Powder Pillow	300 Pillows (1.5 lbs)
CalVer 2 Calcium Indicator Powder Pillow	300 Pillows (1.5 lbs)
HydraVer 2 Hydrazine Reagent	1 Liter
Citric Acid F Reagent	2.5 Liters
Diisopropylamine 99%	3 Liters
Sodium Nitrate 0.5 M	1 Liters
NaCl Sodium Standard	2 Liters
Ascorbic Acid Reagent Powder	300 Grams
Amino Acid F Reagent Powder for Analyzers	700 Grams
Molybdate Reagent for Low Range Phosphate	6 Liters
Phosphate Standard Solution	6 Liters
Zero Standard for Low Range Phosphate	6 Liters
Ascorbic Acid Reagent Dilution Solution	6 Liters
Amino Acid F Dilution Solvent	9 Liters
Molybdate 3 Reagent for Silica	9 Liters
Citric Acid / Surfactant Solution	9 Liters
Silica Standard Solution 500 ug/l	9 Liters
pH Electrode Storage Solution	1 Liters

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER *(print)*	DATE 134
	**Lee J. Moore**	**2-25-2010**

San Bernardino County Fire Department • Hazardous Materials Division

620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE (909) 386-8401 FAX (909) 386-8460 www.sbcfire.org

BUSINESS EMERGENCY/CONTINGENCY PLAN COVER SHEET

I. IDENTIFICATION

For Dept Use Only – Log In/Date Stamp

RECEIVED
MAR 01 2011
S.B. CO. FIRE DEPT.

FACILITY ID # F A 0 0 0 2 9 4 3

BUSINESS NAME (Same as FACILITY NAME or DBA)

Etiwanda Generating Station

BUSINESS SITE ADDRESS	CITY	ZIPCODE
8996 Etiwanda Avenue	Rancho Cucamonga	91739

II. SUBMISSION CHECKLIST

(Complete this Section if submitting an entire Business Emergency/Contingency Plan whether new or revised)

Submission Checklist ☒

- ☒ Business Activities Form
- ☒ Business Owner/Operator Identification Form
- ☒ Supplemental Emergency Contact Page
- ☒ Emergency Response Plans and Procedures
- ☒ Hazardous Materials Inventory Summary Form for the facility listing materials (including wastes) by item number
- ☒ One Hazardous Materials Inventory Form for each hazardous material (including wastes) which meet reporting criteria
- ☒ Material Safety Data Sheets attached to the inventory form of each material not listed in Appendix I
- ☒ Facility map (using grid form provided) consisting of all required features including the location of each inventoried item
- ☒ Site map (using grid form provided) consisting of all required features including surrounding facilities and areas.
- ☒ Area map - photocopied city map with location of site indicated
- Owner/Operator has signed and dated the plan and all required individual pages of the plan
- ☒ Submit the original and 1 copy to the Hazardous Materials Division. One is for distribution to the local fire jurisdiction
- ☒ ***Retain one copy of the business emergency/contingency plan at the facility.***

III. UPDATE/CERTIFICATION

(Complete this Section if submitting a partial update or re-certifying an existing Plan)

Check the appropriate boxes below and sign the certification statement. Submit 2 copies of all update information.

☐ Please incorporate the following into my Business Emergency/Contingency Plan

- ☐ New Business Owner/Operator Identification Form
- ☐ New Inventory Forms and new Inventory Summary Form (and maps, if affected)
- ☐ New Supplemental Emergency Contact Page

☐ Other: _____

Brief explanation of changes: _____

☐ There have been no changes to the inventory. In place of submitting the annual inventory, I hereby attest to all of the following:

- The information contained in the inventory most recently submitted to the CUPA is complete, accurate and up to date.
- There has been no change in the quantity, storage, or handling of hazardous materials (including waste) reported in the most recently submitted inventory.
- No hazardous materials (including waste) subject to inventory requirements are being handled that are not listed on the most recently submitted inventory.
- This certification is **not** being made to meet annual inventory submission requirements of EPCRA. (**EPCRA requires complete annual submission**)

IV. SIGNATURE

(Complete this Section for all submissions)

Certification - Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and believe the information is true, accurate and complete.

SIGNATURE OF OWNER/OPERATOR	DATE	NAME OF DOCUMENT PREPARER
ENTERED JUN 23 2011	2/28/11	Pierce Harvey FD SENT MAR 02 2011

135

NAME OF SIGNER *(print)*	TITLE OF SIGNER *(print)*
Monte Ash	V.P. of West and South Gas Plants

San Bernardino County Fire Department • Hazardous Materials Division

620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE (909) 386-8401 FAX (909) 386-8460 www.sbcfire.org

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #										EPA ID # (Hazardous Waste Only)
	F	A	0	0	0	2	9	4	3	CAR000038158

BUSINESS NAME (Same as Facility Name of DBA-Doing Business As) 3
Etiwanda Generating Station

BUSINESS SITE ADDRESS 103
8996 Etiwanda Avenue

BUSINESS SITE CITY 104		ZIP CODE 105
Rancho Cucamonga	**CA**	**91739**

II. ACTIVITIES DECLARATION

Does your facility...	If Yes, please complete these pages of the UPCF*....	
A. HAZARDOUS MATERIALS Have on site (for any purpose) at any one time, hazardous materials at or above 55 gallons for liquids, 500 pounds for solids, or 200 cubic feet for compressed gases (include liquids in ASTs and USTs); or the applicable Federal threshold quantity for an extremely hazardous substance specified in 40 CFR Part 355, Appendix A or B; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70?	☒ YES ☐ NO 4	HAZARDOUS MATERIALS INVENTORY – CHEMICAL DESCRIPTION
B. REGULATED SUBSTANCES Have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release Prevention Program (CalARP)?	☒ YES ☐ NO 4a	Coordinate with your local agency responsible for CalARP.
C. UNDERGROUND STORAGE TANKS (USTs) Own or operate underground storage tanks?	☐ YES ☒ NO 5	UST FACILITY UST TANK
D. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Own or operate ASTs above these thresholds: Store greater than 1,320 gallons of petroleum products (new or used) in aboveground tanks or containers.	☒ YES ☐ NO 8	NO FORM REQUIRED TO CUPAs
E. HAZARDOUS WASTE		
Generate hazardous waste?	☒ YES ☐ NO 9	EPA ID NUMBER – provide at the top of this page
Recycle more than 100 kg/month of excluded or exempted recyclable materials (per CHSC 25143.2)?	☐ YES ☒ NO 10	RECYCLABLE MATERIALS REPORT (one per recycler)
Treat hazardous waste on-site?	☐ YES ☒ NO 11	ON-SITE HAZARDOUS WASTE TREATMENT – FACILITY ON-SITE HAZARDOUS WASTE TREATMENT – UNIT
Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO 12	CERTIFICATION OF FINANCIAL ASSURANCE
Consolidate hazardous waste generated at a remote site?	☐ YES ☒ NO 13	REMOTE WASTE / CONSOLIDATION SITE ANNUAL NOTIFICATION
Need to report the closure/removal of a tank that was classified as containing hazardous waste and cleaned on-site?	☐ YES ☒ NO 14	HAZARDOUS WASTE TANK CLOSURE CERTIFICATION
Generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of Federal RCRA hazardous waste; or generate in any single calendar month, or accumulate at any time 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate or accumulate at any time more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acutely hazardous waste.	☒ YES ☐ NO 14a	Obtain Federal EPA ID Number, file Biennial Report (EPA Form 8700-13A/B), and satisfy requirements for RCRA Large Quantity Generator.
Household Hazardous Waste (HHW) Collection site?	☐ YES ☒ NO 14b	See CUPA for required forms.
F. LOCAL REQUIREMENTS		

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460
www.sbcfire.org

BUSINESS EMERGENCY/CONTINGENCY PLAN COVER SHEET

I. IDENTIFICATION

For Dept Use Only – Log In/Date Stamp

RECEIVED
FEB 26 2010
S.B. CO. FIRE DEPT.

FACILITY ID #	F	A	0	0	0	2	9	4	3

BUSINESS NAME (Same as FACILITY NAME or DBA) 3
Etiwanda Generating Station

BUSINESS SITE ADDRESS	CITY	ZIPCODE
8996 Etiwanda Avenue	**Rancho Cucamonga**	**91739**

II. SUBMISSION CHECKLIST

(Complete this Section if submitting an entire business emergency/contingency plan whether new or revised)

Submission Checklist ☒ *Items with an ' * ' are considered "Inventory" under State disclosure laws*

- ☒ * Business Activities Form
- ☒ * Business Owner/Operator Identification Form
- ☒ * Supplemental Emergency Contact Page
- ☒ Emergency Response Plans and Procedures
- ☒ * Hazardous Materials Inventory Summary Form for the facility listing materials (including wastes) by item number.
- ☒ * One Hazardous Materials Inventory Form for each hazardous material (including wastes) which meet reporting criteria
- ☒ * Material Safety Data Sheets attached to the inventory form of each material not listed in Appendix I.
- ☒ * Facility map (using grid form provided) consisting of all required features including the location of each inventoried item.
- ☒ Site map (using grid form provided) consisting of all required features including surrounding facilities and areas.
- ☒ Area map - photocopied city map with location of site indicated
- Owner/Operator has signed and dated the plan and all required individual pages of the plan.
- ☒ Submit 2 copies to the Hazardous Materials Division. One is for distribution to the local fire jurisdiction.
- ☒ ***Retain one copy of the business emergency/contingency plan at the facility.***

III. UPDATE/CERTIFICATION

(Complete this Section if submitting a partial update or re-certifying an existing Plan)

Check the appropriate boxes below and sign the certification statement. Submit 2 copies of all update information.

☐ Please incorporate the following into my business emergency/contingency plan.
- ☐ New Business Owner/Operator Identification Form
- ☐ New Inventory Forms and new Inventory Summary Form (and maps, if affected).
- ☐ New Supplemental Emergency Contact Page.

☐ Other: _____

Brief explanation of changes: _____

☐ There have been no changes to the inventory. In place of submitting the annual inventory, I hereby attest to all of the following:
- The information contained in the inventory most recently submitted to the CUPA is complete, accurate and up to date.
- There has been no change in the quantity, storage, or handling of hazardous materials (including waste) reported in the most recently submitted inventory.
- No hazardous materials (including waste) subject to inventory requirements are being handled that are not listed on the most recently submitted inventory.
- This certification is **not** being made to meet annual inventory submission requirements of EPCRA. (**EPCRA requires complete annual submission**)

IV. SIGNATURE

(Complete this Section for all submissions)

Certification - Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and believe the information is true, accurate and complete.

SIGNATURE OF OWNER/OPERATOR	DATE	NAME OF DOCUMENT PREPARER 135
	2-25-2010	**Paul Lacroix**
NAME OF SIGNER *(print)*	TITLE OF SIGNER *(print)*	
Lee J. Moore	**General Manager**	

ENTERED
MAR 04 2010

FD SENT
FEB 26 2010

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E", San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	F	A	0	0	0	2	9	4	3	[redacted]

BUSINESS NAME (Same as FACILITY NAME or DBA)	EPA ID # (Hazardous Waste Only)
Etiwanda Generating Station	CAR000038158

BUSINESS ADDRESS	CITY	ZIP CODE
8996 Etiwanda Avenue	Rancho Cucamonga	91739

II. ACTIVITIES DECLARATION

Does your facility...		If YES, the following additional information is required... (Items with an "*" must be submitted to this department)
A. HAZARDOUS MATERIALS		
1. Have onsite (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids or 200 cubic feet for compressed gases; or the applicable Federal threshold quantity for an extremely hazardous substance; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70; or handle ANY amount of Class 1 or 2 explosives; or ANY amount Category I or II pesticides.	☒ YES ☐ NO	* BUSINESS EMERGENCY/CONTINGENCY PLAN (Used in place of OES Form 2730 and 2731)
2. Have extremely hazardous substances above threshold planning quantities or hazardous substances in quantities greater than 10,000 lbs (except retail gas stations up to 75,000 gallons of gasoline or 100,000 gallons of diesel fuel in upgraded USTs) or otherwise subject to EPCRA 311-312 reporting requirements.	☒ YES ☐ NO	* BUSINESS EMERGENCY/CONTINGENCY PLAN (Must file annually according to EPCRA instructions to meet EPCRA SARA Title III Tier 2 reporting requirements – see instructions, pg i.)
B. REGULATED SUBSTANCES Have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release Prevention Program (CalARP)?	☒ YES ☐ NO	* BUSINESS EMERGENCY/CONTINGENCY PLAN (Used in place of OES Form 2730 and 2731) * CalARP REGISTRATION FORM (See Section V of BP guidelines and forms)
UNDERGROUND STORAGE TANKS (USTs)		
1. Own or operate underground storage tanks?	☐ YES ☒ NO	* UST FACILITY FORM * UST TANK (Pages 1 and 2) (One set per tank)
2. Intend to upgrade existing or install new USTs?	☐ YES ☒ NO	* UST FACILITY FORM * UST TANK (Pages 1 and 2) (One set per tank)
3. Need to report closing a UST?	☐ YES ☒ NO	* UST FACILITY FORM * UST TANK (Pages 1 and 2) (One set per tank) * HAZARDOUS WASTE TANK CLOSURE CERTIFICATION
D. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Store greater than 1320 gallons of petroleum products (new or used) in aboveground tanks or containers?	☒ YES ☐ NO	IF YES, PREPARE AND MAINTAIN A SPILL PREVENTION CONTROL & COUNTERMEASURES PLAN (SPCC) TO ADDRESS RELEASES FROM ABOVEGROUND STORAGE OF PETROLEUM AT YOUR FACILITY.
E. HAZARDOUS WASTE		
1. Generate ANY amount of hazardous waste?	☒ YES ☐ NO	EPA ID NUMBER—provide at the top of this page * BUSINESS EMERGENCY/CONTINGENCY PLAN (Used in place of OES Form 2730 and 2731)
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per CHSC §25143.2)?	☐ YES ☒ NO	* RECYCLABLE MATERIALS REPORT (Pages 1 and 2)
3. Treat hazardous waste on site?	☐ YES ☒ NO	* ONSITE HAZARDOUS WASTE TRT - FACILITY * ONSITE HAZARDOUS WASTE TRT - UNIT (one per unit)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO	* CERTIFICATION OF FINANCIAL ASSURANCE
5. Consolidated hazardous waste generated at a remote site?	☐ YES ☒ NO	* REMOTE WASTE/CONSOLIDATED SITE ANNUAL NOTIFICATION
Generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month, or accumulate at any time, 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate or accumulate at any time more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.	☒ YES ☐ NO	IF YES, OBTAIN FEDERAL EPA ID NUMBER, FILE BIENNIAL REPORT (EPA FORM 8700-13A/B) WITH USEPA, AND SATISFY REQUIREMENTS FOR RCRA LARGE QUANTITY GENERATOR.

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 — 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)

Etiwanda Generating Station

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Avenue	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
1	ACETYLENE	2,000	336	CUBIC FEET
2	AMMONIUM HYDROXIDE 19%	17,000	10,000	GALLONS
3	ARGON	6,000	336	CUBIC FEET
4	CARBON DIOXIDE	8,000	8,000	POUNDS
5	~~CL-37, POLYDIMETHYLSIOXANE EMULSION~~	0	0	NO LONGER USED ON SITE
6	~~CL-5~~	0	0	NO LONGER USED ON SITE
7	~~CORROSION INHIBITOR CS~~	0	0	NO LONGER USED ON SITE
8	DIESEL OIL	110	55	GALLONS
9	ECOLINK S-34	250	55	GALLONS
10	GASOLINE	250	250	GALLONS
11	HELIUM	3,000	336	CUBIC FEET
12	HYDRAZINE	185	185	GALLONS
13	HYDROGEN	82,000	3,400	POUNDS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
	Lee J. Moore	**2-25-2009**

BFOB 2-26-10
Replaces this plan.

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 — 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)

Etiwanda Generating Station

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Avenue	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
14	~~H-450~~	0	0	NO LONGER USED ON SITE
15	NITROGEN (BULK TANK)	67,770	67,770	CUBIC FEET
16	NITROGEN (BOTTLE)	37,800	336	CUBIC FEET
16 A	NITROGEN (BOTTLE) "CONTINUED"			
17	EPA PROTOCOL MIXTURE (126 PPM NITRIC OXIDE)	6,700	140	CUBIC FEET
17 A	EPA PROTOCOL MIXTURE (126 PPM NITRIC OXIDE) "CONTINUED"			
18	EPA PROTOCOL MIXTURE (8.43 PPM OXIDE)	6,700	140	CUBIC FEET
18 A	EPA PROTOCOL MIXTURE (8.43 PPM OXIDE) "CONTINUED"			
19	EPA PROTOCOL MIXTURE (33.2 PPM NITRIC OXIDE)	6,700	140	CUBIC FEET
19 A	EPA PROTOCOL MIXTURE (33.2 PPM NITRIC OXIDE) "CONTINUED"			
19 B	EPA PROTOCOL MIXTURE (33.2 PPM NITRIC OXIDE) "CONTINUED"			
20	EPA PROTOCOL MIXTURE (21.0 PPM OXYGEN)	6,700	140	CUBIC FEET
20 A	EPA PROTOCOL MIXTURE (21.0 PPM OXYGEN) "CONTINUED"			

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
	Lee J. Moore	**2-25-2009**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 — 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)

Etiwanda Generating Station

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Avenue	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
20 B	EPA PROTOCOL MIXTURE (21.0 PPM OXYGEN) "CONTINUED"			
21	OXYGEN	6,700	140	CUBIC FEET
22	~~PCL-361~~	0	0	NO LONGER USED ON SITE
23	~~PCL-4025~~	0	0	NO LONGER USED ON SITE
24	PCLX-180	1,500	1,500	GALLONS
25	MISCELLANEOUS OIL AND LATEX BASE PAINT AND THINNER	100	55	GALLONS
26	~~POTASSIUM NITRITE~~	0	0	NO LONGER USED ON SITE
27	PROPANE	125	90	GALLONS
28	SODIUM CARBONATE	2,000	50	POUNDS
29	SODIUM HYDROXIDE NaOH	100	50	POUNDS
30	SODIUM HYPOCHLORITE	9,000	3,000	GALLONS
31	~~MONOSODIUM PHOSPHATE~~	0	0	NO LONGER USED ON SITE
32	~~DISODIUM PHOSPHATE~~	0	0	NO LONGER USED ON SITE

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER *(print)* 136	DATE 134
	Lee J. Moore	**2-25-2009**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 — 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)

Etiwanda Generating Station

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Avenue	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
33	TRISODIUM PHOSPHATE	500	50	POUNDS
34	SULFURIC ACID H_2SO_4	355,074	170,435	POUNDS
35	SHELL TURBINE OIL	54,000	15,000	GALLONS
35 A	SHELL TURBINE OIL "CONTINUED"			
35 B	SHELL TURBINE OIL "CONTINUED"			
36	MIXED GASES (98.03% NITROGEN)	6,700	140	CUBIC FEET
37	MIXED GAS (2% METHANE, 92% NITROGEN)	6,700	140	CUBIC FEET
38	MIXED GAS (3.08% OXYGEN, 1.91% HYDROGEN, 1.94% CARBON MONOXIDE, 93.07% NITROGEN)	6,700	140	CUBIC FEET
38 A	MIXED GAS "CONTINUED" (3.08% OXYGEN, 1.91% HYDROGEN, 1.94% CARBON MONOXIDE, 93.07% NITROGEN)			
39	ASBESTOS	450,000	10,000	POUNDS
40	GRIT / DUCT SWEEP	6,400	800	POUNDS
41	COOLING TOWER SLUDGE	500,000	48,000	POUNDS
42	COOLING TOWER WOOD	120,000	80,000	POUNDS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
	Lee J. Moore	**2-25-2009**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 — 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)

Etiwanda Generating Station

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Avenue	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
43	GREASE, FUEL OIL, TAR	55	55	GALLONS
44	MERCURY DEBRIS	50	50	POUNDS
45	MERCURY	10	10	POUNDS
46	OIL, OILY DEBRIS, SOIL	30,000	500	POUNDS
47	OIL / WATER SEPARATOR SLUDGE / SOLID	7,500	5,000	GALLONS
48	OIL WITH SOLVENT	5,280	55	GALLONS
49	PAINT CHIPS / DEBRIS WITH LEAD	300	300	POUNDS
50	PAINT SOLIDS / SLUDGE	55	55	GALLONS
51	PCB OIL / DEBRIS (>2 PPM TO 50 PPM)	100	500	POUNDS
52	PCB OIL / DEBRIS (>50 PPM TO <4,999 PPM)	100	500	POUNDS
53	WASTE OIL	4,165	2,000	GALLONS
54	WASTE AEROSOL CONTAINER	110	55	GALLONS
55	RYD LYME	165	55	GALLONS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
	**Lee J. Moore**	**2-25-2009**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 — 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)

Etiwanda Generating Station

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Avenue	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
56	SODIUM NITRITE	400	50	POUNDS
57	CHLORINE TABLETS	2,200	55	POUNDS
58	NALCO DYNACOOL 1383	560	560	GALLONS
59	NALCO 73202	2,400	1,200	GALLONS
60	~~NALCO 73199~~	0	0	NO LONGER USED ON SITE
61	NALCO 3D TRASAR 3DT199	660	330	GALLONS
62	UNIVERSAL WASTE	110	55	POUNDS
63	WASTE SANDBLAST GRIT	55	55	GALLONS
64	NALCO 7468	40	5	GALLONS
65	NALCO 8338	40	5	GALLONS
66	NALCO 8322	50	5	GALLONS
67	NALCO 7330	20	5	GALLONS
68	DIELECTRIC OIL	144,361	19,870	GALLONS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
	Lee J. Moore	**2-25-2009**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 — 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)

Etiwanda Generating Station

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Avenue	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
68 A	DIELECTRIC OIL "CONTINUED"			
68 B	DIELECTRIC OIL "CONTINUED"			
68 C	DIELECTRIC OIL "CONTINUED"			
69	SULFURIC ACID (LEAD ACID BATTERIES)	19,152	56	POUNDS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
	Lee J. Moore	**2-25-2009**

Etiwanda Chemical Lab Chemical Inventory

Chemical	Maximum Quantity
Molybdate Reagent Powder Pillows (10 ml sample)	500 Pillows (2lbs)
Acid Reagent Powder Pillows (10 ml sample)	500 Pillows (2lbs)
Citric Acid Powder Pillows (10 ml sample)	500 Pillows (2lbs)
Amino Acid F Reagent Powder Pillows	500 Pillows (2lbs)
Molybdate 3 Reagent	2 Liters
DPD Free Chlorine Reagent (10 ml sample)	3 Bottles (1.5 lbs)
DPD Total Chlorine Reagent (10 ml sample)	3 Bottles (1.5 lbs)
Formazin Turbidity Standard 4000 FNU	1 Liter
ORP Standard	1.5 Liters
Chlorine Reference Standard Solution 1ppm	1.5 Liters
Silica Standard Solution 1ppm	1 Liter
EDTA Solution (0.01 M, 0.02 N)	2 Liters
Molybdovanadate Reagent	1 Liter
Potassium Chloride (KCl) Reference Filling Solution	2 Liters
Ag/AgCl Reference Filling Solution	1 Liter
Buffer Solution pH 4.00	1 Gallon
Buffer Solution pH 7.00	2 Gallons
Buffer Solution pH 10.00	2 Gallons
Amino Acid F Reagent Powder	300 Pillows (1.5 lbs)
Amino Acid F Dilution Solvent	2.5 Liters
Buffer Solution Hardness 1 (Total Hardness)	300 Milliliters
Potassium Hydroxide Solution 8N (Calcium Hardness)	300 Milliliters
Triazole Reagent Powder Pillow	300 Pillows (1.5 lbs)
NitraVer 5 Nitrate Reagent Powder Pillow	300 Pillows (1.5 lbs)
NitriVer 2 Nitrite Reagent Powder Pillow	300 Pillows (1.5 lbs)
ManVer 2 Hardness Indicator Powder Pillow	300 Pillows (1.5 lbs)
CalVer 2 Calcium Indicator Powder Pillow	300 Pillows (1.5 lbs)
HydraVer 2 Hydrazine Reagent	1 Liter
Citric Acid F Reagent	2.5 Liters
Diisopropylamine 99%	3 Liters
Sodium Nitrate 0.5 M	5 Milliliters
NaCl Sodium Standard	2 Liters
Ascorbic Acid Reagent Powder	300 Grams
Amino Acid F Reagent Powder for Analyzers	700 Grams
Molybdate Reagent for Low Range Phosphate	6 Liters
Phosphate Standard Solution	6 Liters
Zero Standard for Low Range Phosphate	6 Liters
Ascorbic Acid Reagent Dilution Solution	6 Liters
Amino Acid F Dilution Solvent	9 Liters
Molybdate 3 Reagent for Silica	9 Liters
Citric Acid / Surfactant Solution	9 Liters
Silica Standard Solution 500 ug/l	9 Liters

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460
www.sbcfire.org

BUSINESS EMERGENCY/CONTINGENCY PLAN COVER SHEET

I. IDENTIFICATION

For Dept Use Only – Log In/Date Stamp

RECEIVED
FEB 27 2009
S.B. CO. FIRE DEPT.

FACILITY ID #	F	A	0	0	0	2	9	4	3

BUSINESS NAME (Same as FACILITY NAME or DBA) 3
Etiwanda Generating Station

BUSINESS SITE ADDRESS	CITY	ZIPCODE
8996 Etiwanda Avenue	**Rancho Cucamonga**	**91739**

II. SUBMISSION CHECKLIST

(Complete this Section if submitting an entire business emergency/contingency plan whether new or revised)

Submission Checklist ☒ ***Items with an ' * ' are considered "Inventory" under State disclosure laws***

- ☒ * Business Activities Form
- ☒ * Business Owner/Operator Identification Form
- ☒ * Supplemental Emergency Contact Page
- ☒ Emergency Response Plans and Procedures
- ☒ * Hazardous Materials Inventory Summary Form for the facility listing materials (including wastes) by item number.
- ☒ * One Hazardous Materials Inventory Form for each hazardous material (including wastes) which meet reporting criteria
- ☒ * Material Safety Data Sheets attached to the inventory form of each material not listed in Appendix I.
- ☒ * Facility map (using grid form provided) consisting of all required features including the location of each inventoried item.
- ☒ Site map (using grid form provided) consisting of all required features including surrounding facilities and areas.
- ☒ Area map - photocopied city map with location of site indicated
- Owner/Operator has signed and dated the plan and all required individual pages of the plan.
- ☒ Submit 2 copies to the Hazardous Materials Division. One is for distribution to the local fire jurisdiction.
- ☒ ***Retain one copy of the business emergency/contingency plan at the facility.***

III. UPDATE/CERTIFICATION

(Complete this Section if submitting a partial update or re-certifying an existing Plan)

Check the appropriate boxes below and sign the certification statement. Submit 2 copies of all update information.

- ☐ Please incorporate the following into my business emergency/contingency plan.
  - ☐ New Business Owner/Operator Identification Form
  - ☐ New Inventory Forms and new Inventory Summary Form (and maps, if affected).
  - ☐ New Supplemental Emergency Contact Page.
- ☐ Other: _____

Brief explanation of changes: _____

- ☐ There have been no changes to the inventory. In place of submitting the annual inventory, I hereby attest to all of the following:
  - The information contained in the inventory most recently submitted to the CUPA is complete, accurate and up to date.
  - There has been no change in the quantity, storage, or handling of hazardous materials (including waste) reported in the most recently submitted inventory.
  - No hazardous materials (including waste) subject to inventory requirements are being handled that are not listed on the most recently submitted inventory.
  - This certification is **not** being made to meet annual inventory submission requirements of EPCRA. (**EPCRA requires complete annual submission**)

IV. SIGNATURE

(Complete this Section for all submissions)

Certification - Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and believe the information is true, accurate and complete.

SIGNATURE OF OWNER/OPERATOR	DATE	NAME OF DOCUMENT PREPARER 135
	2-25-2009	**Paul Lacroix**
NAME OF SIGNER *(print)*	TITLE OF SIGNER *(print)*	
Lee J. Moore	**General Manager**	

ENTERED
ENTERED MAR 02 2009
MAR 02 2009

FD SENT
FEB 27 2009

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E", San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 [redacted]

BUSINESS NAME (Same as FACILITY NAME or DBA): Etiwanda Generating Station

EPA ID # (Hazardous Waste Only): CAR000038158

BUSINESS ADDRESS: 8996 Etiwanda Avenue

CITY: Rancho Cucamonga

ZIP CODE: 91739

II. ACTIVITIES DECLARATION

Does your facility...		If YES, the following additional information is required... (Items with an '*' must be submitted to this department)
A. HAZARDOUS MATERIALS		
1. Have onsite (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids or 200 cubic feet for compressed gases; or the applicable Federal threshold quantity for an extremely hazardous substance; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70; or handle ANY amount of Class 1 or 2 explosives; or ANY amount Category I or II pesticides.	☒ YES ☐ NO	* BUSINESS EMERGENCY/CONTINGENCY PLAN (Used in place of OES Form 2730 and 2731)
2. Have extremely hazardous substances above threshold planning quantities or hazardous substances in quantities greater than 10,000 lbs (except retail gas stations up to 75,000 gallons of gasoline or 100,000 gallons of diesel fuel in upgraded USTs) or otherwise subject to EPCRA 311-312 reporting requirements.	☒ YES ☐ NO	* BUSINESS EMERGENCY/CONTINGENCY PLAN (Must file annually according to EPCRA instructions to meet EPCRA SARA Title III Tier 2 reporting requirements – see instructions, pg i.)
B. REGULATED SUBSTANCES Have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release Prevention Program (CalARP)?	☒ YES ☐ NO	* BUSINESS EMERGENCY/CONTINGENCY PLAN (Used in place of OES Form 2730 and 2731) * CalARP REGISTRATION FORM (See Section V of BP guidelines and forms)
UNDERGROUND STORAGE TANKS (USTs) .. Own or operate underground storage tanks?	☐ YES ☒ NO	* UST FACILITY FORM * UST TANK (Pages 1 and 2) (One set per tank)
2. Intend to upgrade existing or install new USTs?	☐ YES ☒ NO	* UST FACILITY FORM * UST TANK (Pages 1 and 2) (One set per tank)
3. Need to report closing a UST?	☐ YES ☒ NO	* UST FACILITY FORM * UST TANK (Pages 1 and 2) (One set per tank) * HAZARDOUS WASTE TANK CLOSURE CERTIFICATION
D. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Store greater than 1320 gallons of petroleum products (new or used) in aboveground tanks or containers?	☒ YES ☐ NO	IF YES, PREPARE AND MAINTAIN A SPILL PREVENTION CONTROL & COUNTERMEASURES PLAN (SPCC) TO ADDRESS RELEASES FROM ABOVEGROUND STORAGE OF PETROLEUM AT YOUR FACILITY.
E. HAZARDOUS WASTE 1. Generate ANY amount of hazardous waste?	☒ YES ☐ NO	EPA ID NUMBER—provide at the top of this page * BUSINESS EMERGENCY/CONTINGENCY PLAN (Used in place of OES Form 2730 and 2731)
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per CHSC §25143.2)?	☐ YES ☒ NO	* RECYCLABLE MATERIALS REPORT (Pages 1 and 2)
3. Treat hazardous waste on site?	☐ YES ☒ NO	* ONSITE HAZARDOUS WASTE TRT - FACILITY * ONSITE HAZARDOUS WASTE TRT - UNIT (one per unit)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO	* CERTIFICATION OF FINANCIAL ASSURANCE
5. Consolidated hazardous waste generated at a remote site?	☐ YES ☒ NO	* REMOTE WASTE/CONSOLIDATED SITE ANNUAL NOTIFICATION
Generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month, or accumulate at any time, 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate or accumulate at any time more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.	☐ YES ☒ NO	IF YES, OBTAIN FEDERAL EPA ID NUMBER, FILE BIENNIAL REPORT (EPA FORM 8700-13A/B) WITH USEPA, AND SATISFY REQUIREMENTS FOR RCRA LARGE QUANTITY GENERATOR.

San Bernardino Co. CUPA
620 South "E" Street
San Bernardino, CA 92415
Tel: (909) 386-8401
Fax: (909) 386-8460
www.sbcfire.org

Aboveground Storage Tank Facility Statement
Notification/Change in Status

RECEIVED
NOV 17 2008
S.B. CO. FIRE DEPT.

I. Facility/Business Information

Facility CUPA ID# 1	Facility Name 3	Owner Name 111
FA 0002943	Etiwanda Generating Station	Reliant Energy Etiwanda, Inc.

Facility Address 103	Owner Mailing Address 113
8996 Etiwanda Ave.	8996 Etiwanda Ave.

City 104	Zip Code 105	City 114	State 115	Zip Code 116
Rancho Cucamonga	91739	Rancho Cucamonga	CA	91739

Contact Name 117a	Contact Phone 118a	Owner Phone 112	NAICS Code 107
Lee J. Moore	909-899-7241	909-899-7260	4911

Contact Email 119a	Does the facility have an SPCC plan? 920 (see directions on reverse)	If yes, date of last SPCC Plan Revision/Review:
placroix@rliant.com	■ Yes ☐ No	10-27-06 & redoing
If the facility does not have an SPCC plan, is it in progress?	☐ Yes ☐ No	If yes, expected completion date: 12-31-08

II. Total Facility Capacity in gallons

Facility's total aboveground petroleum product storage tank **capacity** for all tanks/containers/equipment/systems greater than or equal to 55 gallons (see directions on reverse)

921 TOTAL CAPACITY: Approx. 210,850 gal

III. Tank Details – Include each aboveground tank that contains a petroleum product or other type of oil (including mineral, animal, or vegetable oils). Attach additional pages should your facility have more tanks.

922 Tank ID# (e.g. 1, 2, 3, etc.)	923 Contents (Gas, Diesel, etc.)	924 Capacity (In gallons)	925 Tank Location (Describe location)	926 Year Installed	927 Tank type:	928 Secondary Containment
TK-01	Gasoline	250	Contractor Parking Lot	2000	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐No
TK-02	Lube oil	6,000	Oil Room, East Tk.	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐No
TK-03	Lube oil	6,000	Oil Room, East/Center Tk.	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐No
TK-04	Lube oil	6,000	Oil Room, West/ Center Tk.	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐No
TK-05	Lube oil	10,000	Oil Room, West Tk.	1963	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐No
TK-06	Lube oil	230	Outside Oil Room	1994	☐Steel ■Fiberglass/Plastic ☐Other (please describe)	■Yes ☐No
TK-07	Lube oil/water	250	Retention Basin	1994	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐No
TK-08	Lube oil	2,300	North	1994	■Steel ■Fiberglass/Plastic ☐Other (please describe)	■Yes ☐No
TK-09	Lube oil	2,300	South	2007	☐Steel ■Fiberglass/Plastic ☐Other (please describe)	■Yes ☐No

IV. Signature

I certify under penalty of law that the information submitted is accurate and complete to the best of my knowledge.

Signature of owner or tank facility operator	Printed name of owner or tank facility operator 136	Date (M/d/yyyy) 134
	Lee J. Moore	11-17-08

ENTERED
11-18-08

San Bernardino Co. CUPA
620 South "E" Street
San Bernardino, CA 92415
Tel: (909) 386-8401
Fax: (909) 386-8460
www.sbcfire.org

Aboveground Storage Tank Facility Statement
Notification/Change in Status

RECEIVED
NOV 17 2008
S.B. CO. FIRE DEPT.

I. Facility/Business Information

Facility CUPA ID# 1	Facility Name 3	Owner Name 111
FA 0002943	Etiwanda Generating Station	Reliant Energy Etiwanda, Inc.

Facility Address 103	Owner Mailing Address 113
8996 Etiwanda Ave.	8996 Etiwanda Ave.

City 104	Zip Code 105	City 114	State 115	Zip Code 116
Rancho Cucamonga	91739	Rancho Cucamonga	CA	91739

Contact Name 117a	Contact Phone 118a	Owner Phone 112	NAICS Code 107
Lee J. Moore	909-899-7241	909-899-7260	4911

Contact Email 119a	Does the facility have an SPCC plan? 920 (see directions on reverse)	If yes, date of last SPCC Plan Revision/Review:
placroix@rliant.com	■ Yes ☐ No	10-27-06 & redoing
If the facility does not have an SPCC plan, is it in progress?	☐ Yes ☐ No	If yes, expected completion date: 12-31-08

II. Total Facility Capacity in gallons

Facility's total aboveground petroleum product storage tank **capacity** for all tanks/containers/equipment/systems greater than or equal to 55 gallons (see directions on reverse)

921 TOTAL CAPACITY: Approx. 210,850 gal

III. Tank Details – Include each aboveground tank that contains a petroleum product or other type of oil (including mineral, animal, or vegetable oils). Attach additional pages should your facility have more tanks.

922 Tank ID# (e.g. 1, 2, 3, etc.)	923 Contents (Gas, Diesel, etc.)	924 Capacity (In gallons)	925 Tank Location (Describe location)	926 Year Installed	927 Tank type:	928 Secondary Containment
TK-10	Dielectric oil	270	East well	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	☐Yes ■ No
TK-11	Dielectric oil	270	South well	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	☐Yes ■ No
TK-12	Dielectric oil	270	North well	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	☐Yes ■ No
TK-13	Dielectric oil	200	C.T. Make-up Sub. North	1963	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-14	Dielectric oil	200	C.T. Make-up Sub. South	1963	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-15	Dielectric oil	370	Unit 3 C.T. Sub. East	1963	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-16	Dielectric oil	370	Unit 3 C.T. Sub. West	1963	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-17	Dielectric oil	370	Unit 4 C.T. Sub. East	1963	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-18	Dielectric oil	370	Unit 4 C.T. Sub. West	1963	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No

IV. Signature

I certify under penalty of law that the information submitted is accurate and complete to the best of my knowledge.

Signature of owner or tank facility operator	Printed name of owner or tank facility operator 136	Date (M/d/yyyy) 134
	Lee J. Moore	11-17-08

San Bernardino Co. CUPA
620 South "E" Street
San Bernardino, CA 92415
Tel: (909) 386-8401
Fax: (909) 386-8460
www.sbcfire.org

Aboveground Storage Tank Facility Statement
Notification/Change in Status

RECEIVED
NOV 17 2008
S.B. CO. FIRE DEPT

I. Facility/Business Information

Facility CUPA ID# 1	Facility Name 3	Owner Name 111
FA 0002943	Etiwanda Generating Station	Reliant Energy Etiwanda, Inc.

Facility Address 103	Owner Mailing Address 113
8996 Etiwanda Ave.	8996 Etiwanda Ave.

City 104	Zip Code 105	City 114	State 115	Zip Code 116
Rancho Cucamonga	91739	Rancho Cucamonga	CA	91739

Contact Name 117a	Contact Phone 118a	Owner Phone 112	NAICS Code 107
Lee J. Moore	909-899-7241	909-899-7260	4911

Contact Email 119a	Does the facility have an SPCC plan? 920 (see directions on reverse)	If yes, date of last SPCC Plan Revision/Review:
placroix@rliant.com	■ Yes ☐ No	10-27-06 & redoing
If the facility does not have an SPCC plan, is it in progress?	☐ Yes ☐ No	If yes, expected completion date: 12-31-08

II. Total Facility Capacity in gallons

Facility's total aboveground petroleum product storage tank **capacity** for all tanks/containers/equipment/systems greater than or equal to 55 gallons (see directions on reverse)

921 TOTAL CAPACITY: Approx. 210,850 gal

III. Tank Details – Include each aboveground tank that contains a petroleum product or other type of oil (including mineral, animal, or vegetable oils). Attach additional pages should your facility have more tanks.

922 Tank ID# (e.g. 1, 2, 3, etc.)	923 Contents (Gas, Diesel, etc.)	924 Capacity (In gallons)	925 Tank Location (Describe location)	926 Year Installed	927 Tank type:	928 Secondary Containment
TK-19	Dielectric oil	11,725	Unit 3 Main	1963	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-20	Dielectric oil	19,800	Unit 4 Main	1963	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-21	Dielectric oil	19,800	Unit 3 & 4 Spare Main	1963	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-22	Dielectric oil	2,640	Unit 3 Aux.	1963	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-23	Dielectric oil	2,640	Unit 4 Aux.	1963	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-24	Dielectric oil	1,069	Unit 3 Station Service	1963	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-25	Dielectric oil	1,069	Unit 4 Station Service	1963	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-26	Dielectric oil	2,840	Unit 3 & 4 66KV Reserve	1963	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-27	Dielectric oil	610	Unit 3 North Neutral Ground	1953	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No

IV. Signature

I certify under penalty of law that the information submitted is accurate and complete to the best of my knowledge.

Signature of owner or tank facility operator	Printed name of owner or tank facility operator 136	Date (M/d/yyyy) 134
	Lee J. Moore	11-17-08

San Bernardino Co. CUPA
620 South "E" Street
San Bernardino, CA 92415
Tel: (909) 386-8401
Fax: (909) 386-8460
www.sbcfire.org

Aboveground Storage Tank Facility Statement
Notification/Change in Status

RECEIVED
NOV 17 2008
S.B. CO. FIRE DEPT.

I. Facility/Business Information

Facility CUPA ID# 1	Facility Name 3	Owner Name 111
FA 0002943	Etiwanda Generating Station	Reliant Energy Etiwanda, Inc.

Facility Address 103	Owner Mailing Address 113
8996 Etiwanda Ave.	8996 Etiwanda Ave.

City 104	Zip Code 105	City 114	State 115	Zip Code 116
Rancho Cucamonga	91739	Rancho Cucamonga	CA	91739

Contact Name 117a	Contact Phone 118a	Owner Phone 112	NAICS Code 107
Lee J. Moore	909-899-7241	909-899-7260	4911

Contact Email 119a	Does the facility have an SPCC plan? 920 (see directions on reverse)	If yes, date of last SPCC Plan Revision/Review:
placroix@rliant.com	■ Yes ☐ No	10-27-06 & redoing
If the facility does not have an SPCC plan, is it in progress?	☐ Yes ☐ No	If yes, expected completion date: 12-31-08

II. Total Facility Capacity in gallons

Facility's total aboveground petroleum product storage tank **capacity** for all tanks/containers/equipment/systems greater than or equal to 55 gallons (see directions on reverse)

921 TOTAL CAPACITY: Approx. 210,850 gal

III. Tank Details – Include each aboveground tank that contains a petroleum product or other type of oil (including mineral, animal, or vegetable oils). Attach additional pages should your facility have more tanks.

922 Tank ID# (e.g. 1, 2, 3, etc.)	923 Contents (Gas, Diesel, etc.)	924 Capacity (In gallons)	925 Tank Location (Describe location)	926 Year Installed	927 Tank type:	928 Secondary Containment
TK-28	Dielectric oil	583	Unit 3 South Neutral Ground	1963	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-29	Dielectric oil	750	Unit 4 Neutral Ground	1953	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-30	Lube oil	6,450	Unit 3 Main Reservoir	1963	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-31	Lube oil	6,450	Unit 4 Main Reservoir	1963	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-32	Lube oil	200	Unit 3 Seal Oil Vacuum Tank	1963	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-33	Lube oil	200	Unit 4 Seal Oil Vacuum Tank	1963	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-34	Lube oil	245	Unit 3 East FD Fan Coupling	1963	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-35	Lube oil	245	Unit 3 West FD Fan Coupling	1963	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-36	Lube oil	245	Unit 4 East FD Fan Coupling	1963	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No

IV. Signature

I certify under penalty of law that the information submitted is accurate and complete to the best of my knowledge.

Signature of owner or tank facility operator	Printed name of owner or tank facility operator 136	Date (M/d/yyyy) 134
	Lee J. Moore	11-17-08

San Bernardino Co. CUPA
620 South "E" Street
San Bernardino, CA 92415
Tel: (909) 386-8401
Fax: (909) 386-8460
www.sbcfire.org

Aboveground Storage Tank Facility Statement
Notification/Change in Status

RECEIVED
NOV 17 2008
S.B. CO. FIRE DEPT

I. Facility/Business Information

Facility CUPA ID# 1	Facility Name 3	Owner Name 111
FA 0002943	Etiwanda Generating Station	Reliant Energy Etiwanda, Inc.

Facility Address 103	Owner Mailing Address 113
8996 Etiwanda Ave.	8996 Etiwanda Ave.

City 104	Zip Code 105	City 114	State 115	Zip Code 116
Rancho Cucamonga	91739	Rancho Cucamonga	CA	91739

Contact Name 117a	Contact Phone 118a	Owner Phone 112	NAICS Code 107
Lee J. Moore	909-899-7241	909-899-7260	4911

Contact Email 119a	Does the facility have an SPCC plan? 920 (see directions on reverse)	If yes, date of last SPCC Plan Revision/Review:
placroix@rliant.com	■ Yes ☐ No	10-27-06 & redoing
If the facility does not have an SPCC plan, is it in progress?	☐ Yes ☐ No	If yes, expected completion date: 12-31-08

II. Total Facility Capacity in gallons

Facility's total aboveground petroleum product storage tank **capacity** for all tanks/containers/equipment/systems greater than or equal to 55 gallons (see directions on reverse)

921 TOTAL CAPACITY: Approx. 210,850 gal

III. Tank Details — Include each aboveground tank that contains a petroleum product or other type of oil (including mineral, animal, or vegetable oils). Attach additional pages should your facility have more tanks.

922 Tank ID# (e.g. 1, 2, 3, etc.)	923 Contents (Gas, Diesel, etc.)	924 Capacity (In gallons)	925 Tank Location (Describe location)	926 Year Installed	927 Tank type:	928 Secondary Containment
TK-37	Lube oil	245	Unit 4 West FD Fan Coupling	1963	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-38	Dielectric oil	6,775	Unit 5 Main	1968	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-39	Dielectric oil	9,430	Unit 5 Spare Main	1968	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-40	Dielectric oil	700	Unit 5 Emergency Aux.	1968	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-41	Dielectric oil	399	Unit 5 Station Service	1968	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-42	Lube oil	4,377	Unit 5 Main Reservoir	1968	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-43	Lube oil	175	Unit 5 Accum. Reservoir	1968	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-44	Dielectric oil	7,290	Unit 1 Main "A" Phase	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-45	Dielectric oil	7,290	Unit 1 Main "B" Phase	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No

IV. Signature

I certify under penalty of law that the information submitted is accurate and complete to the best of my knowledge.

Signature of owner or tank facility operator	Printed name of owner or tank facility operator 136	Date (M/d/yyyy) 134
	Lee J. Moore	11-17-08

San Bernardino Co. CUPA
620 South "E" Street
San Bernardino, CA 92415
Tel: (909) 386-8401
Fax: (909) 386-8460
www.sbcfire.org

Aboveground Storage Tank Facility Statement
Notification/Change in Status

RECEIVED
NOV 17 2008
S.B. CO. FIRE DEPT.

I. Facility/Business Information

Facility CUPA ID# 1	Facility Name 3	Owner Name 111
FA 0002943	Etiwanda Generating Station	Reliant Energy Etiwanda, Inc.

Facility Address 103	Owner Mailing Address 113
8996 Etiwanda Ave.	8996 Etiwanda Ave.

City 104	Zip Code 105	City 114	State 115	Zip Code 116
Rancho Cucamonga	91739	Rancho Cucamonga	CA	91739

Contact Name 117a	Contact Phone 118a	Owner Phone 112	NAICS Code 107
Lee J. Moore	909-899-7241	909-899-7260	4911

Contact Email 119a	Does the facility have an SPCC plan? 920 (see directions on reverse)	If yes, date of last SPCC Plan Revision/Review:
placroix@rliant.com	■ Yes ☐ No	10-27-06 & redoing
	If the facility does not have an SPCC plan, is it in progress? ☐ Yes ☐ No	If yes, expected completion date: 12-31-08

II. Total Facility Capacity in gallons

Facility's total aboveground petroleum product storage tank **capacity** for all tanks/containers/equipment/systems greater than or equal to 55 gallons (see directions on reverse)

921 TOTAL CAPACITY: Approx. 210,850 gal

III. Tank Details – Include each aboveground tank that contains a petroleum product or other type of oil (including mineral, animal, or vegetable oils). Attach additional pages should your facility have more tanks.

922 Tank ID# (e.g. 1, 2, 3, etc.)	923 Contents (Gas, Diesel, etc.)	924 Capacity (In gallons)	925 Tank Location (Describe location)	926 Year Installed	927 Tank type:	928 Secondary Containment
TK-46	Dielectric oil	7,290	Unit 1 Main "C" Phase	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-47	Dielectric oil	7,290	Unit 2 Main "A" Phase	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-48	Dielectric oil	7,290	Unit 2 Main "B" Phase	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-49	Dielectric oil	7,290	Unit 2 Main "C" Phase	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-50	Dielectric oil	7,290	Unit 1 & 2 Spare Main	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-51	Dielectric oil	610	Unit 1 Station Service	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-52	Dielectric oil	610	Unit 2 Station Service	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-53	Dielectric oil	610	Units 1 & 2 Station Service Reserve	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-54	Dielectric oil	4,240	Units 1 & 2 Reserve	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No

IV. Signature

I certify under penalty of law that the information submitted is accurate and complete to the best of my knowledge.

Signature of owner or tank facility operator	Printed name of owner or tank facility operator 136	Date (M/d/yyyy) 134
	Lee J. Moore	11-17-08

San Bernardino Co. CUPA
620 South "E" Street
San Bernardino, CA 92415
Tel: (909) 386-8401
Fax: (909) 386-8460
www.sbcfire.org

Aboveground Storage Tank Facility Statement
Notification/Change in Status

RECEIVED
NOV 17 2008
S.B. CO. FIRE DEPT.

I. Facility/Business Information

Facility CUPA ID# 1	Facility Name 3	Owner Name 111
FA 0002943	Etiwanda Generating Station	Reliant Energy Etiwanda, Inc.

Facility Address 103	Owner Mailing Address 113
8996 Etiwanda Ave.	8996 Etiwanda Ave.

City 104	Zip Code 105	City 114	State 115	Zip Code 116
Rancho Cucamonga	91739	Rancho Cucamonga	CA	91739

Contact Name 117a	Contact Phone 118a	Owner Phone 112	NAICS Code 107
Lee J. Moore	909-899-7241	909-899-7260	4911

Contact Email 119a	Does the facility have an SPCC plan? 920 (see directions on reverse)	If yes, date of last SPCC Plan Revision/Review:
placroix@rliant.com	■ Yes ☐ No	10-27-06 & redoing
If the facility does not have an SPCC plan, is it in progress? ☐ Yes ☐ No		If yes, expected completion date: 12-31-08

II. Total Facility Capacity in gallons

Facility's total aboveground petroleum product storage tank **capacity** for all tanks/containers/equipment/systems greater than or equal to 55 gallons (see directions on reverse)

921 TOTAL CAPACITY: Approx. 210,850 gal

III. Tank Details – Include each aboveground tank that contains a petroleum product or other type of oil (including mineral, animal, or vegetable oils). Attach additional pages should your facility have more tanks.

922 Tank ID# (e.g. 1, 2, 3, etc.)	923 Contents (Gas, Diesel, etc.)	924 Capacity (In gallons)	925 Tank Location (Describe location)	926 Year Installed	927 Tank type:	928 Secondary Containment
TK-55	Dielectric oil	228	Unit 1 Lighting	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-56	Dielectric oil	228	Unit 2 Lighting	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-57	Dielectric oil	228	Units 1 & 2 Lighting	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-58	Dielectric oil	814	Units 1 & 2 Neutral Ground	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-59	Dielectric oil	430	Unit 1 C.T. East Sub.	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-60	Dielectric oil	430	Unit 1 C.T. West Sub.	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-61	Dielectric oil	430	Unit 2 C.T. East Sub.	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-62	Dielectric oil	430	Unit 2 C.T. West Sub.	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-63	Lube oil	4,200	Unit 1 Main Reservoir	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No

IV. Signature

I certify under penalty of law that the information submitted is accurate and complete to the best of my knowledge.

Signature of owner or tank facility operator	Printed name of owner or tank facility operator 136	Date (M/d/yyyy) 134
	Lee J. Moore	11-17-08

San Bernardino Co. CUPA
620 South "E" Street
San Bernardino, CA 92415
Tel: (909) 386-8401
Fax: (909) 386-8460
www.sbcfire.org

Aboveground Storage Tank Facility Statement
Notification/Change in Status

RECEIVED
NOV 17 2008
S.B. CO. FIRE DEPT

I. Facility/Business Information

Facility CUPA ID# 1	Facility Name 3	Owner Name 111
FA 0002943	Etiwanda Generating Station	Reliant Energy Etiwanda, Inc.

Facility Address 103	Owner Mailing Address 113
8996 Etiwanda Ave.	8996 Etiwanda Ave.

City 104	Zip Code 105	City 114	State 115	Zip Code 116
Rancho Cucamonga	91739	Rancho Cucamonga	CA	91739

Contact Name 117a	Contact Phone 118a	Owner Phone 112	NAICS Code 107
Lee J. Moore	909-899-7241	909-899-7260	4911

Contact Email 119a	Does the facility have an SPCC plan? 920 (see directions on reverse)	If yes, date of last SPCC Plan Revision/Review:
placroix@rliant.com	■ Yes ☐ No	10-27-06 & redoing
	If the facility does not have an SPCC plan, is it in progress? ☐ Yes ☐ No	If yes, expected completion date: 12-31-08

II. Total Facility Capacity in gallons

Facility's total aboveground petroleum product storage tank **capacity** for all tanks/containers/equipment/systems greater than or equal to 55 gallons (see directions on reverse)

921 TOTAL CAPACITY: Approx. 210,850 gal

III. Tank Details – Include each aboveground tank that contains a petroleum product or other type of oil (including mineral, animal, or vegetable oils). Attach additional pages should your facility have more tanks.

922 Tank ID# (e.g. 1, 2, 3, etc.)	923 Contents (Gas, Diesel, etc.)	924 Capacity (In gallons)	925 Tank Location (Describe location)	926 Year Installed	927 Tank type:	928 Secondary Containment
TK-64	Lube oil	4,200	Unit 2 Main Reservoir	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
TK-65	Dielectric oil	200	Primary Fuel Oil East	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	☐Yes ■ No
TK-66	Dielectric oil	200	Primary Fuel Oil West	1952	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	☐Yes ■ No
55 gal. Drums	Lube oil	3,300	New Oil Storage Areas	N/A	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
55 gal. Drums	Waste Oil	2,750	Hazardous Waste Storage Areas	N/A	■Steel ☐Fiberglass/Plastic ☐Other (please describe)	■Yes ☐ No
					☐Steel ☐Fiberglass/Plastic ☐Other (please describe)	☐Yes ☐ No
					☐Steel ☐Fiberglass/Plastic ☐Other (please describe)	☐Yes ☐ No
					☐Steel ☐Fiberglass/Plastic ☐Other (please describe)	☐Yes ☐ No
					☐Steel ☐Fiberglass/Plastic ☐Other (please describe)	☐Yes ☐ No

IV. Signature

I certify under penalty of law that the information submitted is accurate and complete to the best of my knowledge.

Signature of owner or tank facility operator	Printed name of owner or tank facility operator 136	Date (M/d/yyyy) 134
	Lee J. Moore	11-17-08

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)

Etiwanda Generating Station

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Avenue	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
1	ACETYLENE	2,000	336	CUBIC FEET
2	AMMONIUM HYDROXIDE 19%	17,000	10,000	GALLONS
3	ARGON	6,000	336	CUBIC FEET
4	CARBON DIOXIDE	8,000	8,000	POUNDS
5	CL-37, POLYDIMETHYLSIOXANE EMULSION	0	0	NO LONGER USED ON SITE
6	CL-5	0	0	NO LONGER USED ON SITE
7	CORROSION INHIBITOR CS	0	0	NO LONGER USED ON SITE
8	DIESEL OIL	55	55	GALLONS
9	ECOLINK S-34	295	55	GALLONS
10	GASOLINE	250	250	GALLONS
11	HELIUM	3,000	336	CUBIC FEET
12	HYDRAZINE	185	185	GALLONS
13	HYDROGEN	82,000	3,400	POUNDS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE - EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
	Lee J. Moore	**2-14-2008**

BP of 2-25-09 replaced this inventory —

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)

Etiwanda Generating Station

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Avenue	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
14	H-450	0	0	NO LONGER USED ON SITE
15	NITROGEN (BULK TANK)	67,770	67,770	CUBIC FEET
16	NITROGEN (BOTTLE)	37,800	336	CUBIC FEET
16 A	NITROGEN (BOTTLE) "CONTINUED"			
17	EPA PROTOCOL MIXTURE (126 PPM NITRIC OXIDE)	6,700	336	CUBIC FEET
17 A	EPA PROTOCOL MIXTURE (126 PPM NITRIC OXIDE) "CONTINUED"			
18	EPA PROTOCOL MIXTURE (8.43 PPM OXIDE)	6,700	336	CUBIC FEET
18 A	EPA PROTOCOL MIXTURE (8.43 PPM OXIDE) "CONTINUED"			
19	EPA PROTOCOL MIXTURE (33.2 PPM NITRIC OXIDE)	6,700	336	CUBIC FEET
19 A	EPA PROTOCOL MIXTURE (33.2 PPM NITRIC OXIDE) "CONTINUED"			
19 B	EPA PROTOCOL MIXTURE (33.2 PPM NITRIC OXIDE) "CONTINUED"			
20	EPA PROTOCOL MIXTURE (21.0 PPM OXYGEN)	6,700	336	CUBIC FEET
20 A	EPA PROTOCOL MIXTURE (21.0 PPM OXYGEN) "CONTINUED"			

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (print) 136	DATE 134
	Lee J. Moore	**2-14-2008**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 — 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)

Etiwanda Generating Station

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Avenue	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
20 B	EPA PROTOCOL MIXTURE (21.0 PPM OXYGEN) "CONTINUED"			
21	OXYGEN	6,700	336	CUBIC FEET
22	PCL-361	0	0	NO LONGER USED ON SITE
23	PCL-4025	0	0	NO LONGER USED ON SITE
24	PCLX-180	1,500	1,500	GALLONS
25	MISCELLANEOUS OIL AND LATEX BASE PAINT AND THINNER	100	55	GALLONS
26	POTASSIUM NITRITE	0	0	NO LONGER USED ON SITE
27	PROPANE	50	90	GALLONS
28	SODIUM CARBONATE	2,000	50	POUNDS
29	SODIUM HYDROXIDE NaOH	100	50	POUNDS
30	SODIUM HYPOCHLORITE	9,000	3,000	GALLONS
31	MONOSODIUM PHOSPHATE	0	0	NO LONGER USED ON SITE
32	DISODIUM PHOSPHATE	0	0	NO LONGER USED ON SITE

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
	Lee J. Moore	**2-14-2008**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)
Etiwanda Generating Station

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Avenue	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
33	TRISODIUM PHOSPHATE	500	50	POUNDS
34	SULFURIC ACID H_2SO_4	355,074	170,435	POUNDS
35	UNOCAL TURBINE OIL	54,000	15,000	GALLONS
35 A	UNOCAL TURBINE OIL "CONTINUED"			
35 B	UNOCAL TURBINE OIL "CONTINUED"			
36	MIXED GASES (98.03% NITROGEN)	6,700	336	CUBIC FEET
37	MIXED GAS (2% METHANE, 92% NITROGEN)	6,700	336	CUBIC FEET
38	MIXED GAS (3.08% OXYGEN, 1.91% HYDROGEN, 1.94% CARBON MONOXIDE, 93.07% NITROGEN)	6,700	336	CUBIC FEET
38 A	MIXED GAS "CONTINUED" (3.08% OXYGEN, 1.91% HYDROGEN, 1.94% CARBON MONOXIDE, 93.07% NITROGEN)			
39	ASBESTOS	450,000	10,000	POUNDS
40	GRIT / DUCT SWEEP	6,400	800	POUNDS
41	COOLING TOWER SLUDGE	500,000	48,000	POUNDS
42	COOLING TOWER WOOD	120,000	80,000	POUNDS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER *(print)* 136	DATE 134
	Lee J. Moore	**2-14-2008**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 — 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)
Etiwanda Generating Station

FACILITY ADDRESS 103
8996 Etiwanda Avenue

CITY 104
Rancho Cucamonga

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
43	GREASE, FUEL OIL, TAR	55	55	GALLONS
44	MERCURY DEBRIS	50	50	POUNDS
45	MERCURY	10	10	POUNDS
46	OIL, OILY DEBRIS, SOIL	30,000	500	POUNDS
47	OIL / WATER SEPARATOR SLUDGE / SOLID	7,500	5,000	GALLONS
48	OIL WITH SOLVENT	5,280	55	GALLONS
49	PAINT CHIPS / DEBRIS WITH LEAD	300	300	POUNDS
50	PAINT SOLIDS / SLUDGE	55	55	GALLONS
51	PCB OIL / DEBRIS (>2 PPM TO 50 PPM)	100	500	POUNDS
52	PCB OIL / DEBRIS (>50 PPM TO <4,999 PPM)	100	500	POUNDS
53	WASTE OIL	4,165	2,000	GALLONS
54	WASTE AEROSOL CONTAINER	110	55	GALLONS
55	RYD LYME	165	55	GALLONS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE. EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER *(print)* 136	DATE 134
	Lee J. Moore	**2-14-2008**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 — 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)

Etiwanda Generating Station

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Avenue	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
56	SODIUM NITRITE	400	50	POUNDS
57	CHLORINE TABLETS	550	55	POUNDS
58	NALCO DYNACOOL 1383	560	560	GALLONS
59	NALCO 73202	2,400	1,200	GALLONS
60	NALCO 73199	300	150	GALLONS
61	NALCO 3D TRASAR 3DT199	660	330	GALLONS
62	UNIVERSAL WASTE	110	55	POUNDS
63	WASTE SANDBLAST GRIT	55	55	GALLONS
64	NALCO 7468	1,350	41.88	POUNDS
65	NALCO 8338	400	48.5	POUNDS
66	NALCO 8322	400	48.5	POUNDS
67	NALCO 7330	630	41.88	POUNDS
68	DIELECTRIC OIL	144,361	19,870	GALLONS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
	Lee J. Moore	**2-14-2008**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 — 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)

Etiwanda Generating Station

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Avenue	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
68 A	DIELECTRIC OIL "CONTINUED"			
68 B	DIELECTRIC OIL "CONTINUED"			
68 C	DIELECTRIC OIL "CONTINUED"			
69	SULFURIC ACID (LEAD ACID BATTERIES)	19,152	56	POUNDS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
	Lee J. Moore	**2-14-2008**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 — 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)

Reliant Energy Etiwanda, Inc.

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Avenue	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
1	ACETYLENE	2,000	336	CUBIC FEET
2	AMMONIUM HYDROXIDE 19%	17,000	10,000	GALLONS
3	ARGON	6,000	336	CUBIC FEET
4	CARBON DIOXIDE	8,000	8,000	POUNDS
5	CL-37, POLYDIMETHYLSIOXANE EMULSION	0	0	NO LONGER USED ON SITE
6	CL-5	0	0	NO LONGER USED ON SITE
7	CORROSION INHIBITOR CS	0	0	NO LONGER USED ON SITE
8	DIESEL OIL	55	55	GALLONS
9	ECOLINK S-34	295	55	GALLONS
10	GASOLINE	250	250	GALLONS
11	HELIUM	3,000	336	CUBIC FEET
12	HYDRAZINE	185	185	GALLONS
13	HYDROGEN	82,000	3,400	POUNDS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (print) 136	DATE 134
L. J. Moore	**Lee J. Moore**	**2-20-2007**

BP of 2-28-08 replaces this plan. VH

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)

Reliant Energy Etiwanda, Inc.

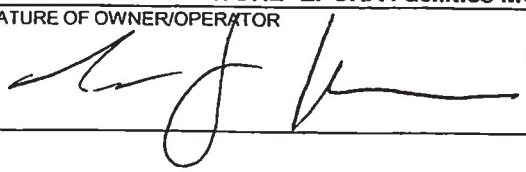
FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Avenue	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
14	H-450	0	0	NO LONGER USED ON SITE
15	NITROGEN (BULK TANK)	67,770	67,770	CUBIC FEET
16	NITROGEN (BOTTLE)	37,800	336	CUBIC FEET
16 A	NITROGEN (BOTTLE) "CONTINUED"			
17	EPA PROTOCOL MIXTURE (126 PPM NITRIC OXIDE)	6,700	336	CUBIC FEET
17 A	EPA PROTOCOL MIXTURE (126 PPM NITRIC OXIDE) "CONTINUED"			
18	EPA PROTOCOL MIXTURE (8.43 PPM OXIDE)	6,700	336	CUBIC FEET
18 A	EPA PROTOCOL MIXTURE (8.43 PPM OXIDE) "CONTINUED"			
19	EPA PROTOCOL MIXTURE (33.2 PPM NITRIC OXIDE)	6,700	336	CUBIC FEET
19 A	EPA PROTOCOL MIXTURE (33.2 PPM NITRIC OXIDE) "CONTINUED"			
19 B	EPA PROTOCOL MIXTURE (33.2 PPM NITRIC OXIDE) "CONTINUED"			
20	EPA PROTOCOL MIXTURE (21.0 PPM OXYGEN)	6,700	336	CUBIC FEET
20 A	EPA PROTOCOL MIXTURE (21.0 PPM OXYGEN) "CONTINUED"			

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
	**Lee J. Moore**	**2-20-2007**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 — 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)
Reliant Energy Etiwanda, Inc.

FACILITY ADDRESS 103
8996 Etiwanda Avenue

CITY 104
Rancho Cucamonga

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
20 B	EPA PROTOCOL MIXTURE (21.0 PPM OXYGEN) "CONTINUED"			
21	OXYGEN	6,700	336	CUBIC FEET
22	PCL-361	0	0	NO LONGER USED ON SITE
23	PCL-4025	0	0	NO LONGER USED ON SITE
24	PCLX-180	1,500	1,500	GALLONS
25	MISCELLANEOUS OIL AND LATEX BASE PAINT AND THINNER	100	55	GALLONS
26	POTASSIUM NITRITE	0	0	NO LONGER USED ON SITE
27	PROPANE	50	90	GALLONS
28	SODIUM CARBONATE	2,000	50	POUNDS
29	SODIUM HYDROXIDE NaOH	100	50	POUNDS
30	SODIUM HYPOCHLORITE	6,300	3,000	GALLONS
31	MONOSODIUM PHOSPHATE	0	0	NO LONGER USED ON SITE
32	DISODIUM PHOSPHATE	0	0	NO LONGER USED ON SITE

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
	Lee J. Moore	**2-20-2007**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)

Reliant Energy Etiwanda, Inc.

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Avenue	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
33	TRISODIUM PHOSPHATE	100	50	POUNDS
34	SULFURIC ACID H_2SO_4	355,074	170,435	POUNDS
35	UNOCAL TURBINE OIL	54,000	15,000	GALLONS
35 A	UNOCAL TURBINE OIL "CONTINUED"			
35 B	UNOCAL TURBINE OIL "CONTINUED"			
36	MIXED GASES (98.03% NITROGEN)	6,700	336	CUBIC FEET
37	MIXED GAS (2% METHANE, 92% NITROGEN)	6,700	336	CUBIC FEET
38	MIXED GAS (3.08% OXYGEN, 1.91% HYDROGEN, 1.94% CARBON MONOXIDE, 93.07% NITROGEN)	6,700	336	CUBIC FEET
38 A	MIXED GAS "CONTINUED" (3.08% OXYGEN, 1.91% HYDROGEN, 1.94% CARBON MONOXIDE, 93.07% NITROGEN)			
39	ASBESTOS	450,000	10,000	POUNDS
40	GRIT / DUCT SWEEP	6,400	800	POUNDS
41	COOLING TOWER SLUDGE	500,000	48,000	POUNDS
42	COOLING TOWER WOOD	120,000	80,000	POUNDS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
	Lee J. Moore	**2-20-2007**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 — 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)
Reliant Energy Etiwanda, Inc.

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Avenue	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
43	GREASE, FUEL OIL, TAR	55	55	GALLONS
44	MERCURY DEBRIS	50	50	POUNDS
45	MERCURY	10	10	POUNDS
46	OIL, OILY DEBRIS, SOIL	30,000	500	POUNDS
47	OIL / WATER SEPARATOR SLUDGE / SOLID	7,500	5,000	GALLONS
48	OIL WITH SOLVENT	5,280	55	GALLONS
49	PAINT CHIPS / DEBRIS WITH LEAD	300	300	POUNDS
50	PAINT SOLIDS / SLUDGE	55	55	GALLONS
51	PCB OIL / DEBRIS (>2 PPM TO 50 PPM)	100	500	POUNDS
52	PCB OIL / DEBRIS (>50 PPM TO <4,999 PPM)	100	500	POUNDS
53	WASTE OIL	4,165	2,000	GALLONS
54	WASTE AEROSOL CONTAINER	110	55	GALLONS
55	RYD LYME	165	55	GALLONS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
	Lee J. Moore	**2-20-2007**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)

Reliant Energy Etiwanda, Inc.

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Avenue	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
56	SODIUM NITRITE	400	50	POUNDS
57	CHLORINE TABLETS	550	55	POUNDS
58	NALCO DYNACOOL 1383	560	560	GALLONS
59	NALCO 73202	2,400	1,200	GALLONS
60	NALCO 73199	300	150	GALLONS
61	NALCO 3D TRASAR 3DT199	660	330	GALLONS
62	UNIVERSAL WASTE	110	55	POUNDS
63	WASTE SANDBLAST GRIT	55	55	GALLONS
64	NALCO 7468	670	41.88	POUNDS
65	NALCO 8338	679	48.5	POUNDS
66	NALCO 8322	485	48.5	POUNDS
67	NALCO 7330	251	41.88	POUNDS
68	DIELECTRIC OIL	144,361	19,870	GALLONS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
	Lee J. Moore	**2-20-2007**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)
Reliant Energy Etiwanda, Inc.

FACILITY ADDRESS 103
8996 Etiwanda Avenue

CITY 104
Rancho Cucamonga

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
68 A	DIELECTRIC OIL "CONTINUED"			
68 B	DIELECTRIC OIL "CONTINUED"			
68 C	DIELECTRIC OIL "CONTINUED"			
69	SULFURIC ACID (LEAD ACID BATTERIES)	19,152	56	POUNDS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet, or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR

NAME OF SIGNER (*print*) 136
Lee J. Moore

DATE 134
2-20-2007

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460
www.sbcfire.org

BUSINESS EMERGENCY/CONTINGENCY PLAN COVER SHEET

I. IDENTIFICATION

For Dept Use Only – Log In/Date Stamp

RECEIVED
FEB 28 2008
S.B. CO. FIRE DEPT.

FACILITY ID #	F	A	0	0	0	2	9	4	3

BUSINESS NAME (Same as FACILITY NAME or DBA) 3
Etiwanda Generating Station

BUSINESS SITE ADDRESS	CITY	ZIPCODE
8996 Etiwanda Avenue	Rancho Cucamonga	91739

II. SUBMISSION CHECKLIST

(Complete this Section if submitting an entire business emergency/contingency plan whether new or revised)

Submission Checklist ☒ ***Items with an ' * ' are considered "Inventory" under State disclosure laws***

- ☒ * Business Activities Form
- ☒ * Business Owner/Operator Identification Form
- ☒ * Supplemental Emergency Contact Page
- ☒ Emergency Response Plans and Procedures
- ☒ * Hazardous Materials Inventory Summary Form for the facility listing materials (including wastes) by item number.
- ☒ * One Hazardous Materials Inventory Form for each hazardous material (including wastes) which meet reporting criteria
- ☒ * Material Safety Data Sheets attached to the inventory form of each material not listed in Appendix I.
- ☒ * Facility map (using grid form provided) consisting of all required features including the location of each inventoried item.
- ☒ Site map (using grid form provided) consisting of all required features including surrounding facilities and areas.
- Area map - photocopied city map with location of site indicated
- ☒ Owner/Operator has signed and dated the plan and all required individual pages of the plan.
- ☒ Submit 2 copies to the Hazardous Materials Division. One is for distribution to the local fire jurisdiction.
- ☒ ***Retain one copy of the business emergency/contingency plan at the facility.***

III. UPDATE/CERTIFICATION

(Complete this Section if submitting a partial update or re-certifying an existing Plan)

Check the appropriate boxes below and sign the certification statement. Submit 2 copies of all update information.

- ☐ Please incorporate the following into my business emergency/contingency plan.
  - ☐ New Business Owner/Operator Identification Form
  - ☐ New Inventory Forms and new Inventory Summary Form (and maps, if affected).
  - ☐ New Supplemental Emergency Contact Page.
- ☐ Other: _____

Brief explanation of changes: _____

- ☐ There have been no changes to the inventory. In place of submitting the annual inventory, I hereby attest to all of the following:
  - The information contained in the inventory most recently submitted to the CUPA is complete, accurate and up to date.
  - There has been no change in the quantity, storage, or handling of hazardous materials (including waste) reported in the most recently submitted inventory.
  - No hazardous materials (including waste) subject to inventory requirements are being handled that are not listed on the most recently submitted inventory.
  - This certification is **not** being made to meet annual inventory submission requirements of EPCRA. (**EPCRA requires complete annual submission**)

IV. SIGNATURE

(Complete this Section for all submissions)

Certification - Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and believe the information is true, accurate and complete.

SIGNATURE OF OWNER/OPERATOR	DATE	NAME OF DOCUMENT PREPARER 135
	2-14-2008	Paul Lacroix
NAME OF SIGNER *(print)*		TITLE OF SIGNER *(print)*
Lee J. Moore		General Manager

ENTERED
FEB 28 2008

FD SENT
FEB 28 2008

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E", San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	F	A	0	0	0	2	9	4	3	[redacted]

BUSINESS NAME (Same as FACILITY NAME or DBA)	EPA ID # (Hazardous Waste Only)
Etiwanda Generating Station	CAR000038158

BUSINESS ADDRESS	CITY	ZIP CODE
8996 Etiwanda Avenue	Rancho Cucamonga	91739

II. ACTIVITIES DECLARATION

Does your facility...		If YES, the following additional information is required... (Items with an '*' must be submitted to this department)
A. HAZARDOUS MATERIALS		
1. Have onsite (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids or 200 cubic feet for compressed gases; or the applicable Federal threshold quantity for an extremely hazardous substance; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70; or handle ANY amount of Class 1 or 2 explosives; or ANY amount Category I or II pesticides.	☒ YES ☐ NO	* BUSINESS EMERGENCY/CONTINGENCY PLAN (Used in place of OES Form 2730 and 2731)
2. Have extremely hazardous substances above threshold planning quantities or hazardous substances in quantities greater than 10,000 lbs (except retail gas stations up to 75,000 gallons of gasoline or 100,000 gallons of diesel fuel in upgraded USTs) or otherwise subject to EPCRA 311-312 reporting requirements.	☒ YES ☐ NO	* BUSINESS EMERGENCY/CONTINGENCY PLAN (Must file annually according to EPCRA instructions to meet EPCRA SARA Title III Tier 2 reporting requirements – see instructions, pg i.)
B. REGULATED SUBSTANCES Have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release Prevention Program (CalARP)?	☒ YES ☐ NO	* BUSINESS EMERGENCY/CONTINGENCY PLAN (Used in place of OES Form 2730 and 2731) * CalARP REGISTRATION FORM (See Section V of BP guidelines and forms)
C. UNDERGROUND STORAGE TANKS (USTs)		
1. Own or operate underground storage tanks?	☐ YES ☒ NO	* UST FACILITY FORM * UST TANK (Pages 1 and 2) (One set per tank)
2. Intend to upgrade existing or install new USTs?	☐ YES ☒ NO	* UST FACILITY FORM * UST TANK (Pages 1 and 2) (One set per tank)
3. Need to report closing a UST?	☐ YES ☒ NO	* UST FACILITY FORM * UST TANK (Pages 1 and 2) (One set per tank) * HAZARDOUS WASTE TANK CLOSURE CERTIFICATION
D. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Store greater than 1320 gallons of petroleum products (new or used) in aboveground tanks or containers?	☒ YES ☐ NO	IF YES, PREPARE AND MAINTAIN A SPILL PREVENTION CONTROL & COUNTERMEASURES PLAN (SPCC) TO ADDRESS RELEASES FROM ABOVEGROUND STORAGE OF PETROLEUM AT YOUR FACILITY.
E. HAZARDOUS WASTE		
1. Generate ANY amount of hazardous waste?	☒ YES ☐ NO	EPA ID NUMBER—provide at the top of this page * BUSINESS EMERGENCY/CONTINGENCY PLAN (Used in place of OES Form 2730 and 2731)
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per CHSC §25143.2)?	☐ YES ☒ NO	* RECYCLABLE MATERIALS REPORT (Pages 1 and 2)
3. Treat hazardous waste on site?	☐ YES ☒ NO	* ONSITE HAZARDOUS WASTE TRT - FACILITY * ONSITE HAZARDOUS WASTE TRT - UNIT (one per unit)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO	* CERTIFICATION OF FINANCIAL ASSURANCE
5. Consolidated hazardous waste generated at a remote site?	☐ YES ☒ NO	* REMOTE WASTE/CONSOLIDATED SITE ANNUAL NOTIFICATION
6. Generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month, or accumulate at any time, 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate or accumulate at any time more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.	☐ YES ☒ NO	IF YES, OBTAIN FEDERAL EPA ID NUMBER, FILE BIENNIAL REPORT (EPA FORM 8700-13A/B) WITH USEPA, AND SATISFY REQUIREMENTS FOR RCRA LARGE QUANTITY GENERATOR.

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 (This number is on your CUPA permit)

BUSINESS NAME (Same as FACILITY NAME or DBA)
Reliant Energy Etiwanda, Inc.

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Ave.	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
1	ACETYLENE	2,000	300	CUBIC FEET
2	AMMONIUM HYDROXIDE 19 %	17,000	10,000	GALLONS
3	ARGON	6,000	300	CUBIC FEET
4	CARBON DIOXIDE	8,000	8,000	POUNDS
5	CL-37, POLYDIMETHYLSIOXANE EMULSION	60	5	GALLONS
6	CL-5	55	5	GALLONS
7	CORROSION INHIBITOR CS	50	5	GALLONS
8	DIESEL OIL	55	55	GALLONS
9	ECOLINK S-34	295	55	GALLONS
10	GASOLINE	250	250	GALLONS
11	HELIUM	1,512	300	CUBIC FEET
12	HYDRAZINE	175	35	GALLONS
13	HYDROGEN	82,000	3,400	POUNDS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet , or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
Daniel W. Ross	**Daniel W. Ross**	**2-17-06**

BP of 2-27-07 replaces this plan. VH

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)
Reliant Energy Etiwanda, Inc.

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Ave.	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
14	H-450	55	5	GALLONS
15	NITROGEN (BULK TANK)	67,770	67,770	CUBIC FEET
16	NITROGEN (BOTTLE)	37,800	300	CUBIC FEET
17	EPA PROTOCOL MIXTURE (126 PPM NITRIC OXIDE)	2,100	300	CUBIC FEET
18	EPA PROTOCOL MIXTURE (8.43 PPM OXIDE)	2,100	300	CUBIC FEET
19	EPA PROTOCOL MIXTURE (33.2 PPM NITRIC OXIDE)	2,100	300	CUBIC FEET
20	EPA PROTOCOL MIXTURE (21.0 PPM OXYGEN)	2,100	300	CUBIC FEET
21	OXYGEN	2,100	300	CUBIC FEET
22	PCL-361	1,650	550	GALLONS
23	PCL-4025	2,750	1,000	GALLONS
24	PCLX-180	1,500	1,500	GALLONS
25	MISCELLANEOUS OIL AND LATEX BASE PAINT AND THINNER	100	55	GALLONS
26	POTASSIUM NITRITE	700	50	POUNDS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet , or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
Daniel W. Ross	**Daniel W. Ross**	**2-17-06**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 (This number is on your CUPA permit)

BUSINESS NAME (Same as FACILITY NAME or DBA)
Reliant Energy Etiwanda, Inc.

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Ave.	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
27	PROPANE	50	90	GALLONS
28	SODIUM CARBONATE	2,000	50	POUNDS
29	SODIUM HYDROXIDE NaOH	100	50	POUNDS
30	SODIUM HYPOCHLORITE	6,300	2,100	GALLONS
31	MONOSODIUM PHOSPHATE	100	50	POUNDS
32	DISODIUM PHOSPHATE	100	50	POUNDS
33	TRISODIUM PHOSPHATE	100	50	POUNDS
34	SULFURIC ACID H2SO4	20,000	12,000	GALLONS
35	UNOCAL TURBINE OIL	54,000	15,000	GALLONS
35 A	UNOCAL TURBINE OIL "CONTINUED"			
35 B	UNOCAL TURBINE OIL "CONTINUED"			
36	MIXED GASES (98.03% NITROGEN)	4,500	300	CUBIC FEET
37	MIXED GAS (2% METHANE, 92% NITROGEN)	4,500	300	CUBIC FEET

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet , or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER *(print)* 136	DATE 134
Daniel W. Ross	**Daniel W. Ross**	**2-17-06**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 (This number is on your CUPA permit)

BUSINESS NAME (Same as FACILITY NAME or DBA)
Reliant Energy Etiwanda, Inc.

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Ave.	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
38	**MIXED GAS** 1.94% CARBON MONOXIDE, 93.07% NITROGEN)	4,500	300	CUBIC FEET
39	**ASBESTOS**		10,000	POUNDS
40	**GRIT / DUCT SWEEP**		6,400	POUNDS
41	**COOLING TOWER SLUDGE**		48,000	POUNDS
42	**COOLING TOWER WOOD**		80,000	POUNDS
43	**GREASE, FUEL OIL, TAR**		55	GALLONS
44	**MERCURY DEBRIS**		5O	POUNDS
45	**MERCURY**		50	POUNDS
46	**OIL, DEBRIS, SOIL**		500	POUNDS
47	**OIL / WATER SEPARATOR SLUDGE / SOLID**		5,000	GALLONS
48	**OIL WITH SOLVENT**		55	GALLONS
49	**PAINT CHIPS / DEBRIS WITH LEAD**		300	POUNDS
50	**PAINT SOLIDS / SLUDGE**		55	GALLONS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet , or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER *(print)* 136	DATE 134
Daniel W. Ross	**Daniel W. Ross**	**2-17-06**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 (This number is on your CUPA permit)

BUSINESS NAME (Same as FACILITY NAME or DBA)
Reliant Energy Etiwanda, Inc.

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Ave.	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
51	**PCB OIL / DEBRIS (>2 PPM TO 50 PPM)**		500	**POUNDS**
52	**PCB OIL / DEBRIS (>50 PPM TO <4,999 PPM)**		500	**POUNDS**

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet , or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER *(print)* 136	DATE 134
Daniel W. Ross	**Daniel W. Ross**	**2-17-06**

CUPA

San Bernardino County Fire Department • Hazardous Materials Division

620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

www.sbcfire.org

BUSINESS EMERGENCY/CONTINGENCY PLAN COVER SHEET

I. IDENTIFICATION

For Dept Use Only - Log In/Date Stamp

RECEIVED

FEB 27 2007

S.B. CO. FIRE DEPT.

FACILITY ID #	F	A	0	0	0	2	9	4	3

BUSINESS NAME (Same as FACILITY NAME or DBA)

Reliant Energy Etiwanda, Inc.

BUSINESS SITE ADDRESS	CITY	ZIPCODE
8996 Etiwanda Avenue	Rancho Cucamonga	91739

II. SUBMISSION CHECKLIST

(Complete this Section if submitting an entire business emergency/contingency plan whether new or revised)

Submission Checklist ☒

*Items with an ' * ' are considered "Inventory" under State disclosure laws*

- ☒ * Business Activities Form
- ☒ * Business Owner/Operator Identification Form
- ☒ * Supplemental Emergency Contact Page
- ☒ Emergency Response Plans and Procedures
- ☒ * Hazardous Materials Inventory Summary Form for the facility listing materials (including wastes) by item number.
- ☒ * One Hazardous Materials Inventory Form for each hazardous material (including wastes) which meet reporting criteria
- ☒ * Material Safety Data Sheets attached to the inventory form of each material not listed in Appendix I.
- ☒ * Facility map (using grid form provided) consisting of all required features including the location of each inventoried item.
- ☒ Site map (using grid form provided) consisting of all required features including surrounding facilities and areas.
- ☒ Area map - photocopied city map with location of site indicated
- Owner/Operator has signed and dated the plan and all required individual pages of the plan.
- ☒ Submit 2 copies to the Hazardous Materials Division. One is for distribution to the local fire jurisdiction.
- ☒ ***Retain one copy of the business emergency/contingency plan at the facility.***

III. UPDATE/CERTIFICATION

(Complete this Section if submitting a partial update or re-certifying an existing Plan)

Check the appropriate boxes below and sign the certification statement. Submit 2 copies of all update information.

- ☐ Please incorporate the following into my business emergency/contingency plan.
  - ☐ New Business Owner/Operator Identification Form
  - ☐ New Inventory Forms and new Inventory Summary Form (and maps, if affected).
  - ☐ New Supplemental Emergency Contact Page.
- ☐ Other: _____

Brief explanation of changes: _____

- ☐ There have been no changes to the inventory. In place of submitting the annual inventory, I hereby attest to all of the following:
  - The information contained in the inventory most recently submitted to the CUPA is complete, accurate and up to date.
  - There has been no change in the quantity, storage, or handling of hazardous materials (including waste) reported in the most recently submitted inventory.
  - No hazardous materials (including waste) subject to inventory requirements are being handled that are not listed on the most recently submitted inventory.
  - This certification is **not** being made to meet annual inventory submission requirements of EPCRA. (**EPCRA requires complete annual submission**)

IV. SIGNATURE

(Complete this Section for all submissions)

Certification - Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and believe the information is true, accurate and complete.

SIGNATURE OF OWNER/OPERATOR	DATE	NAME OF DOCUMENT PREPARER
	2-20-2007	Paul Lacroix

135

FD SENT

FEB 28 2007

NAME OF SIGNER (*print*)	TITLE OF SIGNER (*print*)
Lee J. Moore	General Manager

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E", San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 [redacted]

BUSINESS NAME (Same as FACILITY NAME or DBA)	EPA ID # (Hazardous Waste Only)
Reliant Energy Etiwanda, Inc.	CAR000038158

BUSINESS ADDRESS	CITY	ZIP CODE
8996 Etiwanda Avenue	Rancho Cucamonga	91739

II. ACTIVITIES DECLARATION

Does your facility...		If YES, the following additional information is required... (Items with an "*" must be submitted to this department)
A. HAZARDOUS MATERIALS		
1. Have onsite (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids or 200 cubic feet for compressed gases; or the applicable Federal threshold quantity for an extremely hazardous substance; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70; or handle ANY amount of Class 1 or 2 explosives; or ANY amount Category I or II pesticides.	☒ YES ☐ NO	* BUSINESS EMERGENCY/CONTINGENCY PLAN (Used in place of OES Form 2730 and 2731)
2. Have extremely hazardous substances above threshold planning quantities or hazardous substances in quantities greater than 10,000 lbs (except retail gas stations up to 75,000 gallons of gasoline or 100,000 gallons of diesel fuel in upgraded USTs) or otherwise subject to EPCRA 311-312 reporting requirements.	☒ YES ☐ NO	* BUSINESS EMERGENCY/CONTINGENCY PLAN (Must file annually according to EPCRA instructions to meet EPCRA SARA Title III Tier 2 reporting requirements – see instructions, pg i.)
B. REGULATED SUBSTANCES Have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release Prevention Program (CalARP)?	☒ YES ☐ NO	* BUSINESS EMERGENCY/CONTINGENCY PLAN (Used in place of OES Form 2730 and 2731) * CalARP REGISTRATION FORM (See Section V of BP guidelines and forms)
UNDERGROUND STORAGE TANKS (USTs)		
1. Own or operate underground storage tanks?	☐ YES ☒ NO	* UST FACILITY FORM * UST TANK (Pages 1 and 2) (One set per tank)
2. Intend to upgrade existing or install new USTs?	☐ YES ☒ NO	* UST FACILITY FORM * UST TANK (Pages 1 and 2) (One set per tank)
3. Need to report closing a UST?	☐ YES ☒ NO	* UST FACILITY FORM * UST TANK (Pages 1 and 2) (One set per tank) * HAZARDOUS WASTE TANK CLOSURE CERTIFICATION
D. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Store greater than 1320 gallons of petroleum products (new or used) in aboveground tanks or containers?	☒ YES ☐ NO	IF YES, PREPARE AND MAINTAIN A SPILL PREVENTION CONTROL & COUNTERMEASURES PLAN (SPCC) TO ADDRESS RELEASES FROM ABOVEGROUND STORAGE OF PETROLEUM AT YOUR FACILITY.
E. HAZARDOUS WASTE		
1. Generate ANY amount of hazardous waste?	☒ YES ☐ NO	EPA ID NUMBER—provide at the top of this page * BUSINESS EMERGENCY/CONTINGENCY PLAN (Used in place of OES Form 2730 and 2731)
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per CHSC §25143.2)?	☐ YES ☒ NO	* RECYCLABLE MATERIALS REPORT (Pages 1 and 2)
3. Treat hazardous waste on site?	☐ YES ☒ NO	* ONSITE HAZARDOUS WASTE TRT - FACILITY * ONSITE HAZARDOUS WASTE TRT - UNIT (one per unit)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO	* CERTIFICATION OF FINANCIAL ASSURANCE
5. Consolidated hazardous waste generated at a remote site?	☐ YES ☒ NO	* REMOTE WASTE/CONSOLIDATED SITE ANNUAL NOTIFICATION
Generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month, or accumulate at any time, 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate or accumulate at any time more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.	☐ YES ☒ NO	IF YES, OBTAIN FEDERAL EPA ID NUMBER, FILE BIENNIAL REPORT (EPA FORM 8700-13A/B) WITH USEPA, AND SATISFY REQUIREMENTS FOR RCRA LARGE QUANTITY GENERATOR.

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)
Reliant Energy Etiwanda, Inc.

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Ave.	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
1	ACETYLENE	2,000	300	CUBIC FEET
2	AMMONIUM HYDROXIDE 19 %	17,000	10,000	GALLONS
3	ARGON	6,000	300	CUBIC FEET
4	CARBON DIOXIDE	8,000	8,000	POUNDS
5	CL-37, POLYDIMETHYLSIOXANE EMULSION	60	5	GALLONS
6	CL-5	55	5	GALLONS
7	CORROSION INHIBITOR CS	50	5	GALLONS
8	DIESEL OIL	55	55	GALLONS
9	ECOLINK S-34	295	55	GALLONS
10	GASOLINE	250	250	GALLONS
11	HELIUM	1,512	300	CUBIC FEET
12	HYDRAZINE	140	35	GALLONS
13	HYDROGEN	82,000	3,400	POUNDS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet , or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER *(print)* 136	DATE 134
Daniel W. Ross	**Daniel W. Ross**	**2-28-05**

BP of 2/28/06 replaces this plan GD

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)
Reliant Energy Etiwanda, Inc.

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Ave.	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
14	**H-450**	55	5	**GALLONS**
15	**NITROGEN (BULK TANK)**	67,770	67,770	**CUBIC FEET**
16	**NITROGEN (BOTTLE)**	37,800	300	**CUBIC FEET**
17	**EPA PROTOCOL MIXTURE (126 PPM NITRIC OXIDE)**	2,100	300	**CUBIC FEET**
18	**EPA PROTOCOL MIXTURE (8.43 PPM OXIDE)**	2,100	300	**CUBIC FEET**
19	**EPA PROTOCOL MIXTURE (33.2 PPM NITRIC OXIDE)**	2,100	300	**CUBIC FEET**
20	**EPA PROTOCOL MIXTURE (21.0 PPM OXYGEN)**	2,100	300	**CUBIC FEET**
21	**OXYGEN**	2,100	300	**CUBIC FEET**
22	**PCL-361**	1,650	550	**GALLONS**
23	**PCL-4025**	2,750	1,000	**GALLONS**
24	**PCLX-180**	1,500	1,500	**GALLONS**
25	**MISCELLANEOUS OIL AND LATEX BASE PAINT AND THINNER**	100	55	**GALLONS**
26	**POTASSIUM NITRITE**	700	50	**POUNDS**

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet , or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER *(print)* 136	DATE 134
Daniel W. Ross	**Daniel W. Ross**	**2-28-05**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 1 (This number is on your CUPA permit)

BUSINESS NAME (Same as FACILITY NAME or DBA)
Reliant Energy Etiwanda, Inc.

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Ave.	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
27	**PROPANE**	50	90	**GALLONS**
28	**SODIUM CARBONATE**	2,000	50	**POUNDS**
29	**SODIUM HYDROXIDE NaOH**	100	50	**POUNDS**
30	**SODIUM HYPOCHLORITE**	6,300	2,100	**GALLONS**
31	**MONOSODIUM PHOSPHATE**	100	50	**POUNDS**
32	**DISODIUM PHOSPHATE**	100	50	**POUNDS**
33	**TRISODIUM PHOSPHATE**	100	50	**POUNDS**
34	**SULFURIC ACID H2SO4**	20,000	12,000	**GALLONS**
35	**UNOCAL TURBINE OIL**	54,000	15,000	**GALLONS**
35 A	**UNOCAL TURBINE OIL "CONTINUED"**			
35 B	**UNOCAL TURBINE OIL "CONTINUED"**			
36	**MIXED GASES (98.03% NITROGEN)**	4,500	300	**CUBIC FEET**
37	**MIXED GAS (2% METHANE, 92% NITROGEN)**	4,500	300	**CUBIC FEET**

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet , or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER *(print)* 136	DATE 134
Daniel W. Ross	**Daniel W. Ross**	**2-28-05**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)
Reliant Energy Etiwanda, Inc.

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Ave.	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
38	**MIXED GAS** 1.94% CARBON MONOXIDE, 93.07% NITROGEN)	4,500	300	CUBIC FEET
39	**ASBESTOS**		10,000	POUNDS
40	**GRIT / DUCT SWEEP**		6,400	POUNDS
41	**COOLING TOWER SLUDGE**		48,000	POUNDS
42	**COOLING TOWER WOOD**		80,000	POUNDS
43	**GREASE, FUEL OIL, TAR**		55	GALLONS
44	**MERCURY DEBRIS**		5O	POUNDS
45	**MERCURY**		50	POUNDS
46	**OIL, DEBRIS, SOIL**		500	POUNDS
47	**OIL / WATER SEPARATOR SLUDGE / SOLID**		5,000	GALLONS
48	**OIL WITH SOLVENT**		55	GALLONS
49	**PAINT CHIPS / DEBRIS WITH LEAD**		300	POUNDS
50	**PAINT SOLIDS / SLUDGE**		55	GALLONS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet , or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER *(print)* 136	DATE 134
Daniel W. Ross	**Daniel W. Ross**	**2-28-05**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)
Reliant Energy Etiwanda, Inc.

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Ave.	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
51	**PCB OIL / DEBRIS (>2 PPM TO 50 PPM)**		500	**POUNDS**
52	**PCB OIL / DEBRIS (>50 PPM TO <4,999 PPM)**		500	**POUNDS**

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, 200 cubic feet , or the threshold planning quantity of an extremely hazardous substance. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities MUST sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER *(print)* 136	DATE 134
Daniel W. Ross	**Daniel W. Ross**	**2-28-05**

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460
www.sbcfire.org

BUSINESS EMERGENCY/CONTINGENCY PLAN COVER SHEET

I. IDENTIFICATION

For Dept Use Only – Log In/Date Stamp

RECEIVED
FEB 28 2006
COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS

FACILITY ID #	F	A	0	0	0	2	9	4	3

BUSINESS NAME (Same as FACILITY NAME or DBA) 3
Reliant Energy Etiwanda, Inc.

BUSINESS SITE ADDRESS	CITY	ZIPCODE
8996 Etiwanda Ave.	**Rancho Cucamonga**	**91739**

II. SUBMISSION CHECKLIST

(Complete this Section if submitting an entire business emergency/contingency plan whether new or revised)

Submission Checklist ☒ ***Items with an ' * ' are considered "Inventory" under State disclosure laws***

- ☒ * Business Activities Form
- ☒ * Business Owner/Operator Identification Form
- ☒ * Supplemental Emergency Contact Page
- ☒ Emergency Response Plans and Procedures
- ☒ * Hazardous Materials Inventory Summary Form for the facility listing materials (including wastes) by item number.
- ☒ * One Hazardous Materials Inventory Form for each hazardous material (including wastes) which meet reporting criteria
- ☒ * Material Safety Data Sheets attached to the inventory form of each material not listed in Appendix I.
- ☒ * Facility map (using grid form provided) consisting of all required features including the location of each inventoried item.
- ☒ Site map (using grid form provided) consisting of all required features including surrounding facilities and areas.
- ☒ Area map - photocopied city map with location of site indicated
- | Owner/Operator has signed and dated the plan and all required individual pages of the plan.
- ☒ Submit 2 copies to the Hazardous Materials Division. One is for distribution to the local fire jurisdiction.
- ☒ ***Retain one copy of the business emergency/contingency plan at the facility.***

III. UPDATE/CERTIFICATION

(Complete this Section if submitting a partial update or re-certifying an existing Plan)

Check the appropriate boxes below and sign the certification statement. Submit 2 copies of all update information.

☐ Please incorporate the following into my business emergency/contingency plan.

- ☐ New Business Owner/Operator Identification Form
- ☐ New Inventory Forms and new Inventory Summary Form (and maps, if affected).
- ☐ New Supplemental Emergency Contact Page.

☐ Other: _____

Brief explanation of changes: _____

☐ There have been no changes to the inventory. In place of submitting the annual inventory, I hereby attest to all of the following:

- The information contained in the inventory most recently submitted to the CUPA is complete, accurate and up to date.
- There has been no change in the quantity, storage, or handling of hazardous materials (including waste) reported in the most recently submitted inventory.
- No hazardous materials (including waste) subject to inventory requirements are being handled that are not listed on the most recently submitted inventory.
- This certification is **not** being made to meet annual inventory submission requirements of EPCRA. (**EPCRA requires complete annual submission**)

IV. SIGNATURE

(Complete this Section for all submissions)

Certification - Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and believe the information is true, accurate and complete.

SIGNATURE OF OWNER/OPERATOR	DATE	NAME OF DOCUMENT PREPARER 135
Daniel W Ross	**2 / 17 / 06**	**Paul Lacroix**
NAME OF SIGNER *(print)*	TITLE OF SIGNER *(print)*	
Daniel W. Ross	**General Manager**	

ORIGINAL
3/1/06 W

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E", San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	F	A	0	0	0	2	9	4	3	[redacted]

BUSINESS NAME (Same as FACILITY NAME or DBA)	EPA ID # (Hazardous Waste Only)
Reliant Energy Etiwanda, Inc.	CAR000038158

BUSINESS ADDRESS	CITY	ZIP CODE
8996 Etiwanda Ave.	Rancho Cucamonga	91739

II. ACTIVITIES DECLARATION

Does your facility...		If YES, please complete these portions of the application...
A. HAZARDOUS MATERIALS		
1. Have onsite (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids or 200 cubic feet for compressed gases; or the applicable Federal threshold quantity for an extremely hazardous substance; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70; or handle ANY amount of Class 1 or 2 explosives; or ANY amount Category I or II pesticides.	☒ YES ☐ NO	BUSINESS EMERGENCY/CONTINGENCY PLAN (Used in place of OES Form 2730 and 2731)
2. Have extremely hazardous substances above threshold planning quantities or hazardous substances in quantities greater than 10,000 lbs (except retail gas stations up to 75,000 gallons of gasoline or 100,000 gallons of diesel fuel in upgraded USTs) or otherwise subject to EPCRA 311-312 reporting requirements.	☒ YES ☐ NO	BUSINESS EMERGENCY/CONTINGENCY PLAN (Must file annually according to EPCRA instructions to meet EPCRA SARA Title III Tier 2 reporting requirements - see instructions, pg i.)
B. REGULATED SUBSTANCES		
Have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release Prevention Program (CalARP)?	☒ YES ☐ NO	BUSINESS EMERGENCY/CONTINGENCY PLAN (Used in place of OES Form 2730 and 2731) CalARP REGISTRATION FORM (See Section V of BP guidelines and forms)
C. UNDERGROUND STORAGE TANKS (USTs)		
1. Own or operate underground storage tanks?	☐ YES ☒ NO	UST FACILITY UST TANK (Pages 1 and 2) (One set per tank)
2. Intend to upgrade existing or install new USTs?	☐ YES ☒ NO	UST FACILITY UST TANK (Pages 1 and 2) (One set per tank) UST INSTALLATION – CERTIFICATE OF COMPLIANCE (one page per tank)
3. Need to report closing a UST?	☐ YES ☒ NO	UST FACILITY UST TANK (Pages 1 and 2) (One set per tank) HAZARDOUS WASTE TANK CLOSURE CERTIFICATION
D. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs)		
Store greater than 1320 gallons of petroleum products (new or used) in aboveground tanks or containers?	☒ YES ☐ NO	IF YES, PREPARE AND MAINTAIN A SPILL PREVENTION CONTROL & COUNTERMEASURES PLAN (SPCC) TO ADDRESS RELEASES FROM ABOVEGROUND STORAGE OF PETROLEUM AT YOUR FACILITY.
E. HAZARDOUS WASTE		
1. Generate ANY amount of hazardous waste?	☒ YES ☐ NO	EPA ID NUMBER—provide at the top of this page BUSINESS EMERGENCY/CONTINGENCY PLAN (Used in place of OES Form 2730 and 2731)
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per CHSC §25143.2)?	☐ YES ☒ NO	RECYCLABLE MATERIALS REPORT (Pages 1 and 2)
3. Treat hazardous waste on site?	☐ YES ☒ NO	ONSITE HAZARDOUS WASTE TRT - FACILITY ONSITE HAZARDOUS WASTE TRT - UNIT (one per unit)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO	CERTIFICATION OF FINANCIAL ASSURANCE
5. Consolidated hazardous waste generated at a remote site?	☐ YES ☒ NO	REMOTE WASTE/CONSOLIDATED SITE ANNUAL NOTIFICATION
6. Generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month, or accumulate at any time, 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate or accumulate at any time more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.	☐ YES ☒ NO	IF YES, OBTAIN FEDERAL EPA ID NUMBER, FILE BIENNIAL REPORT (EPA FORM 8700-13A/B) WITH USEPA, AND SATISFY REQUIREMENTS FOR RCRA LARGE QUANTITY GENERATOR.

Business Emergency/Contingency Plan Receipt

Mail to: RELIANT ENERGY ETIWANDA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-9173

Site Address: ETIWANDA GENERATING STATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-0000

Service Request ID: SR0008899
Facility ID: FA0002943

The Business Emergency/Contingency Plan was received on February 28, 2006 by the Hazardous Materials Division.

For future reference, please note the following Business Emergency/Contingency Plan requirements:

1. The contents of this plan are subject to field verification and a current copy of this plan must be available on site.
2. This plan contains important information on preventing, responding to, and reporting releases of hazardous materials/waste. Employees are expected to be familiar with these portions of the plan.
3. The plan is available for public inspection through this Division, with the exception of substantiated trade secrets, the separate confidential emergency contact page, and maps specifying the precise storage locations of hazardous materials/wastes.
4. Two copies of the plan and/or update is required to be filed with this Division. The second copy will be forwarded to the local fire jurisdiction.
5. The annual deadline for submission of business plan inventory is March 1st. Please note that EPA does not allow EPCRA facilities to file a recertification in place of annual inventory. Also, this Division typically does not send individual notices of this statutory deadline, so please note the March 1st date for future annual submissions.

Within 30 days of any of the following events, an amendment to the Business Emergency/Contingency Plan must be filed:

1. A 100 percent or more increase in quantity of a previously disclosed item.
2. Any handling of a previously undisclosed hazardous material (including waste) required to be inventoried or elimination of a previously inventoried item.
3. Change of business address, business ownership, or business name.
4. Change of emergency contact information or other site conditions that may significantly affect emergency response.

For more information please consult the latest version of the San Bernardino County CUPA Business Emergency/Contingency Plan guidelines and forms, available through our website at www.sbcfire.org or by calling this office at (909) 386-8401.

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # 3 6 0 0 1 0 0 8 8 7 9 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)
Etiwanda Generating Station

FACILITY ADDRESS 103
8996 Etiwanda Ave.

CITY 104
Rancho Cucamonga

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
1	Acetylene	2,750	300	Cu.Ft.
2	Ammonium Hydroxide	330	55	Gallons
3	Argon	6,000	300	Cu.Ft.
4	Carbon Dioxide	8,000	8,000	Pounds
5	CL - 37	60	5	Gallons
6	Cl - 5	55	5	Gallons
7	LCS - 20	300	50	Pounds
8	CR – 3 Cleaner / Degreaser	295	55	Gallons
9	Diesel Oil	100	55	Gallons
10	Fyrewash SB	75	55	Gallons
11	Gasoline	250	250	Gallons
12	Helium	1,512	300	Cu.Ft.
13	Hydrazine	245	35	Gallons
14	Hydrogen	82,000	3400	Cu.Ft.

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
Daniel W. Ross	**Daniel W. Ross**	2-26-04

This BP of 2/28/05 replaces this plan GD

CUPA

San Bernardino County Fire Department • Hazardous Materials Division

620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # 3 6 0 0 1 0 0 8 8 7 9 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)

Reliant Energy Etiwanda Generating Station

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Ave.	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
15	Sodium Hydroxide	30	30	Gallons
16	Nitrogen	67,770	67,770	Cu.Ft.
17	Nitrogen	37,800	300	Cu.Ft.
18	EPA Protocol Mixture (126 ppm Nitric Oxide)	2,000	300	Cu.Ft.
19	EPA Protocol Mixture (8.43ppm Oxygen)	3,825	300	Cu.Ft.
20	EPA Protocol Mixture (33.2ppm Nitric Oxide)	3,825	300	Cu.Ft.
21	EPA Protocol Mixture (21.0 ppm Oxygen)	3,825	300	Cu.Ft.
22	Oxygen	2,820	300	Cu.Ft.
23	PCL - 361	1,650	550	Gallons
24	PCL – 4025A	2,000	1,000	Gallons
25	PCLX – 180	1,500	1,500	Gallons
26	Mixed oil and latex paint.	100	65	Gallons
27	Potassium Nitrate	700	50	Pounds

Sum2marize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
Daniel W. Ross	**Daniel W. Ross**	2-26-04

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # 3 6 0 0 1 0 0 8 8 7 9 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)
Reliant Energy Etiwanda Generating Station

FACILITY ADDRESS 103
8996 Etiwanda Ave.

CITY 104
Rancho Cucamonga

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
29	Propane	25	10	Gallons
30	Sodium Carbonate	2,000	50	Pounds
31	Sodium Hydroxide	200	100	Pounds
32	Sodium Hypochlorite	6,300	2,100	Gallons
33	Monosodium Phosphate	1,000	550	Pounds
34	Disodium Phosphate	800	50	Pounds
35	Trisodium Phosphate	800	50	Pounds
36	Sulfuric Acid	24,250	10,000	Gallons
37	Automatic Transmission Fluid	300	55	Gallons
38	Turbine Oil	54,000	15,000	Gallons
39	Ammonium Hydroxide 19%	20,000	10,000	Gallons
40	Mixed Gases (Nitrogen)	4,000	300	Cu. Ft.
41	Mixed Gases (Methane / Nitrogen)	4,000	300	Cu. Ft.
42	Mixed Gases (Hydrogen / Carbon Monoxide / Nitrogen)	4,000	300	Cu. Ft.

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER *(print)* 136	DATE 134
Daniel W. Ross	**Daniel W. Ross**	2-26-04

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # 3 6 0 0 1 0 0 8 8 7 9 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)
Reliant Energy Etiwanda Generating Station

FACILITY ADDRESS 103
8996 Etiwanda Ave.

CITY 104
Rancho Cucamonga

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
43	Asbestos Debris	25,000	10,000	Pounds
44	Blasting Grit / Duct sweep	1,500	550	Pounds
45	Cooling Tower Sludge	30,000	10,000	Pounds
46	Cooling Tower Wood	12,000	6,000	Pounds
47	Grease / Fuel Oil / Tar	55	55	Gallons
48	Mercury Contaminated Debris	50	50	Pounds
49	Mercury	50	50	Pounds
50	Oil / Debris / Soil	600	300	Pounds
51	Oil / Water Separator Sludge	5,000	2,500	Gallons
52	Oil with Solvent	110	55	Gallons
53	Paint Chips / Debris with Led	300	55	Pounds
54	Paint Solids / Sludge	55	55	Gallons
55	PCBs Oil / Debris (>2< 50 ppm)	55	55	Gallons
56	PCBs Oil / Debris (>50< 4999 ppm)	55	55	Gallons

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER *(print)* 136	DATE 134
Daniel W. Ross	**Daniel W. Ross**	2-26-04

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # 3 6 0 0 1 0 0 8 8 7 9 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)
Reliant Energy Etiwanda Generating Station

FACILITY ADDRESS 103
8996 Etiwanda Ave.

CITY 104
Rancho Cucamonga

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
57	H550	55	5	Gallons
58	Calcium Hypochlorite	1,000	55	Pounds
59	S-34 NG Ecolink Cleaner / Degreaser	330	55	Gallons
60	Peak Antifreeze	295	1	Gallons
61				
62				
63				
64				
65				
66				
67				
68				
69				
70				

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
Daniel W. Ross	**Daniel W. Ross**	2-26-04

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460
www.sbcfire.org

BUSINESS EMERGENCY/CONTINGENCY PLAN COVER SHEET

I. IDENTIFICATION

For Dept Use Only – Log In/Date Stamp

RECEIVED
FEB 28 2005
COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS

FACILITY ID # F A 0 0 0 2 9 4 3

BUSINESS NAME (Same as FACILITY NAME or DBA)
Reliant Energy Etiwanda, Inc.

BUSINESS SITE ADDRESS	CITY	ZIPCODE
8996 Etiwanda Ave.	**Rancho Cucamonga**	**91739**

II. SUBMISSION CHECKLIST

(Complete this Section if submitting an entire business emergency/contingency plan whether new or revised)

Submission Checklist ☒ — ***Items with an ' * ' are considered "Inventory" under State disclosure laws***

- ☒ * Business Activities Form
- ☒ * Business Owner/Operator Identification Form
- ☒ * Supplemental Emergency Contact Page
- ☒ Emergency Response Plans and Procedures
- ☒ * Hazardous Materials Inventory Summary Form for the facility listing materials (including wastes) by item number.
- ☒ * One Hazardous Materials Inventory Form for each hazardous material (including wastes) which meet reporting criteria
- ☒ * Material Safety Data Sheets attached to the inventory form of each material not listed in Appendix I.
- ☒ * Facility map (using grid form provided) consisting of all required features including the location of each inventoried item.
- ☒ Site map (using grid form provided) consisting of all required features including surrounding facilities and areas.
- ☒ Area map - photocopied city map with location of site indicated
- Owner/Operator has signed and dated the plan and all required individual pages of the plan.
- ☒ Submit 2 copies to the Hazardous Materials Division. One is for distribution to the local fire jurisdiction.
- ☒ ***Retain one copy of the business emergency/contingency at the facility.***

III. UPDATE/CERTIFICATION

(Complete this Section if submitting a partial update or re-certifying an existing Plan)

Check the appropriate boxes below and sign the certification statement. Submit 2 copies of all update information.

- ☐ Please incorporate the following into my business emergency/contingency plan.
  - ☐ New Business Owner/Operator Identification Form
  - ☐ New Inventory Forms and new Inventory Summary Form (and maps, if affected).
  - ☐ New Supplemental Emergency Contact Page.
- ☐ Other: _____

Brief explanation of changes: _____

- ☐ There have been no changes to the inventory. In place of submitting the annual inventory, I hereby attest to all of the following:
  - The information contained in the inventory most recently submitted to the CUPA is complete, accurate and up to date.
  - There has been no change in the quantity, storage, or handling of hazardous materials (including waste) reported in the most recently submitted inventory.
  - No hazardous materials (including waste) subject to inventory requirements are being handled that are not listed on the most recently submitted inventory.
  - This certification is not being made to meet annual inventory submission requirements of EPCRA. (EPCRA requires complete annual submission)

IV. SIGNATURE

(Complete this Section for all submissions)

Certification - Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and believe the information is true, accurate and complete.

SIGNATURE OF OWNER/OPERATOR	DATE	NAME OF DOCUMENT PREPARER
Daniel W Ross	**2 / 28 / 05**	**Paul Lacroix**
NAME OF SIGNER *(print)*	TITLE OF SIGNER *(print)*	
Daniel W. Ross Daniel W. Ross	**General Manager**	

FD SENT
3 / 1 / 05

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E", San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	F	A	0	0	0	2	9	4	3	[redacted]

BUSINESS NAME (Same as FACILITY NAME or DBA)	EPA ID # (Hazardous Waste Only)
Reliant Energy Etiwanda, Inc.	C A R 0 0 0 0 3 8 1 5 8

BUSINESS ADDRESS	CITY	ZIP CODE
8996 Etiwanda Ave.	Rancho Cucamonga	91739

II. ACTIVITIES DECLARATION

Does your facility...		If YES, please complete these portions of the application...
A. HAZARDOUS MATERIALS		
1. Have onsite (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids or 200 cubic feet for compressed gases; or the applicable Federal threshold quantity for an extremely hazardous substance; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70; or handle ANY amount of Class 1 or 2 explosives; or ANY amount Category I or II pesticides.	☒ YES ☐ NO	**BUSINESS EMERGENCY/CONTINGENCY PLAN** (Used in place of OES Form 2730 and 2731)
2. Have extremely hazardous substances above threshold planning quantities or hazardous substances in quantities greater than 10,000 lbs (except retail gas stations up to 75,000 gallons of gasoline or 100,000 gallons of diesel fuel in upgraded USTs) or otherwise subject to EPCRA 311-312 reporting requirements.	☒ YES ☐ NO	**BUSINESS EMERGENCY/CONTINGENCY PLAN** (Must file annually according to EPCRA instructions to meet EPCRA SARA Title III Tier 2 reporting requirements - see instructions, pg i.)
B. REGULATED SUBSTANCES Have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release Prevention Program (CalARP)?	☒ YES ☐ NO	**BUSINESS EMERGENCY/CONTINGENCY PLAN** (Used in place of OES Form 2730 and 2731) **CalARP REGISTRATION FORM** (See Section V of BP guidelines and forms)
C. UNDERGROUND STORAGE TANKS (USTs) Own or operate underground storage tanks?	☐ YES ☒ NO	**UST FACILITY** **UST TANK (Pages 1 and 2)** (One set per tank)
2. Intend to upgrade existing or install new USTs?	☐ YES ☒ NO	**UST FACILITY** **UST TANK (Pages 1 and 2)** (One set per tank) **UST INSTALLATION – CERTIFICATE OF COMPLIANCE** (one page per tank)
3. Need to report closing a UST?	☐ YES ☒ NO	**UST FACILITY** **UST TANK (Pages 1 and 2)** (One set per tank) **HAZARDOUS WASTE TANK CLOSURE CERTIFICATION**
D. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Store greater than 1320 gallons of petroleum products (new or used) in aboveground tanks or containers?	☒ YES ☐ NO	**IF YES, PREPARE AND MAINTAIN A SPILL PREVENTION CONTROL & COUNTERMEASURES PLAN (SPCC) TO ADDRESS RELEASES FROM**
E. HAZARDOUS WASTE		
1. Generate ANY amount of hazardous waste?	☒ YES ☐ NO	**EPA ID NUMBER—provide at the top of this page** **BUSINESS EMERGENCY/CONTINGENCY PLAN** (Used in place of OES Form 2730 and 2731)
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per CHSC §25143.2)?	☐ YES ☒ NO	**RECYCLABLE MATERIALS REPORT (Pages 1 and 2)**
3. Treat hazardous waste on site?	☐ YES ☒ NO	**ONSITE HAZARDOUS WASTE TRT - FACILITY** **ONSITE HAZARDOUS WASTE TRT - UNIT** (one per unit)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO	**CERTIFICATION OF FINANCIAL ASSURANCE**
5. Consolidated hazardous waste generated at a remote site?	☐ YES ☒ NO	**REMOTE WASTE/CONSOLIDATED SITE ANNUAL NOTIFICATION**
Generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month, or accumulate at any time, 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate or accumulate at any time more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.	☐ YES ☒ NO	**IF YES, OBTAIN FEDERAL EPA ID NUMBER, FILE BIENNIEL REPORT (EPA FORM 8700-13A/B) WITH USEPA, AND SATISFY REQUIREMENTS FOR RCRA LARGE QUANTITY GENERATOR.**

Business Emergency/Contingency Plan Receipt

Mail to: RELIANT ENERGY ETIWANDA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-9173

Site Address: ETIWANDA GENERATING STATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-0000

Service Request ID: SR0005826
Facility ID: FA0002943

The Business Emergency/Contingency Plan was received on February 28, 2005 by the Hazardous Materials Division.

For future reference, please note the following Business Emergency/Contingency Plan requirements:

1. The contents of this plan are subject to field verification and a current copy of this plan must be available on site.

2. This plan contains important information on preventing, responding to, and reporting releases of hazardous materials/waste. Employees are expected to be familiar with these portions of the plan.

3. The plan is available for public inspection through this Division, with the exception of substantiated trade secrets, the separate confidential emergency contact page, and maps specifying the precise storage locations of hazardous materials/wastes.

4. Two copies of the plan and/or update is required to be filed with this Division. The second copy will be forwarded to the local fire jurisdiction.

5. The annual deadline for submission of business plan inventory is March 1st. Please note that EPA does not allow EPCRA facilities to file a recertification in place of annual inventory. Also, this Division typically does not send individual notices of this statutory deadline, so please note the March 1st date for future annual submissions.

Within 30 days of any of the following events, an amendment to the Business Emergency/Contingency Plan must be filed:

1. A 100 percent or more increase in quantity of a previously disclosed item.

2. Any handling of a previously undisclosed hazardous material (including waste) required to be inventoried or elimination of a previously inventoried item.

3. Change of business address, business ownership, or business name.

4. Change of emergency contact information or other site conditions that may significantly affect emergency response.

For more information please consult the latest version of the San Bernardino County CUPA Business Emergency/Contingency Plan guidelines and forms, available through our website at www.sbcfire.org or by calling this office at (909) 386-8401.

CUPA

San Bernardino County Fire Department • Hazardous Materials Division

620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

www.sbcfire.org

BUSINESS EMERGENCY/CONTINGENCY PLAN COVER SHEET

I. IDENTIFICATION

For Dept Use Only – Log In/Date Stamp

RECEIVED
JAN 18 2005
COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS

FACILITY ID #	F	A	0	0	0	2	9	4	3

BUSINESS NAME (Same as FACILITY NAME or DBA) 3

Reliant Energy Etiwanda Generating Station

BUSINESS SITE ADDRESS	CITY	ZIPCODE
8996 Etiwanda Ave.	**Rancho Cucamonga**	**91739**

II. SUBMISSION CHECKLIST

(Complete this Section if submitting an entire business emergency/contingency plan whether new or revised)

Submission Checklist ☐ ***Items with an ' * ' are considered "Inventory" under State disclosure laws***

- ☐ * Business Activities Form
- ☐ * Business Owner/Operator Identification Form
- ☐ * Supplemental Emergency Contact Page
- ☐ Emergency Response Plans and Procedures
- ☐ * Hazardous Materials Inventory Summary Form for the facility listing materials (including wastes) by item number.
- ☐ * One Hazardous Materials Inventory Form for each hazardous material (including wastes) which meet reporting criteria
- ☐ * Material Safety Data Sheets attached to the inventory form of each material not listed in Appendix I.
- ☐ * Facility map (using grid form provided) consisting of all required features including the location of each inventoried item.
- ☐ Site map (using grid form provided) consisting of all required features including surrounding facilities and areas.
- ☐ Area map - photocopied city map with location of site indicated
- ☐ Owner/Operator has signed and dated the plan and all required individual pages of the plan.
- ☐ Submit 2 copies to the Hazardous Materials Division. One is for distribution to the local fire jurisdiction.
- ☐ ***Retain one copy of the business emergency/contingency at the facility.***

III. UPDATE/CERTIFICATION

(Complete this Section if submitting a partial update or re-certifying an existing Plan)

Check the appropriate boxes below and sign the certification statement. Submit 2 copies of all update information.

☒ Please incorporate the following into my business emergency/contingency plan.

- ☐ New Business Owner/Operator Identification Form
- ☐ New Inventory Forms and new Inventory Summary Form (and maps, if affected).
- ☒ New Supplemental Emergency Contact Page.

☐ Other: _____

Brief explanation of changes: **Personnel have severed from company and new personnel have started working at facility.**

☒ There have been no changes to the inventory. In place of submitting the annual inventory, I hereby attest to all of the following:

- The information contained in the inventory most recently submitted to the CUPA is complete, accurate and up to date.
- There has been no change in the quantity, storage, or handling of hazardous materials (including waste) reported in the most recently submitted inventory.
- No hazardous materials (including waste) subject to inventory requirements are being handled that are not listed on the most recently submitted inventory.
- This certification is not being made to meet annual inventory submission requirements of EPCRA. (EPCRA requires complete annual submission)

IV. SIGNATURE

(Complete this Section for all submissions)

Certification - Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and believe the information is true, accurate and complete.

SIGNATURE OF OWNER/OPERATOR	DATE	NAME OF DOCUMENT PREPARER 135
Daniel W. Ross	**1 / 12 / 05**	**Paul Lacroix**
NAME OF SIGNER *(print)*	TITLE OF SIGNER *(print)*	
Daniel W. Ross	**General Manager**	

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E", San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID # F A 0 0 0 2 9 4 3 [redacted]

BUSINESS NAME (Same as FACILITY NAME or DBA): **Reliant Energy Etiwanda Generating Station**

EPA ID # (Hazardous Waste Only): **C A R 0 0 0 0 3 8 1 5 8**

BUSINESS ADDRESS: **8996 Etiwanda Ave.**

CITY: **Rancho Cucamonga**

ZIP CODE: **91739**

II. ACTIVITIES DECLARATION

Does your facility...	If YES, please complete these portions of the application...	
A. HAZARDOUS MATERIALS		
1. Have onsite (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids or 200 cubic feet for compressed gases; or the applicable Federal threshold quantity for an extremely hazardous substance; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70; or handle ANY amount of Class 1 or 2 explosives; or ANY amount Category I or II pesticides.	☒ YES ☐ NO	**BUSINESS EMERGENCY/CONTINGENCY PLAN** (Used in place of OES Form 2730 and 2731)
2. Have extremely hazardous substances above threshold planning quantities or hazardous substances in quantities greater than 10,000 lbs (except retail gas stations up to 75,000 gallons of gasoline or 100,000 gallons of diesel fuel in upgraded USTs) or otherwise subject to EPCRA 311-312 reporting requirements.	☒ YES ☐ NO	**BUSINESS EMERGENCY/CONTINGENCY PLAN** (Must file annually according to EPCRA instructions to meet EPCRA SARA Title III Tier 2 reporting requirements - see instructions, pg i.)
B. REGULATED SUBSTANCES Have Regulated Substances stored onsite in quantities greater than the threshold quantities established by the California Accidental Release Prevention Program (CalARP)?	☒ YES ☐ NO	**BUSINESS EMERGENCY/CONTINGENCY PLAN** (Used in place of OES Form 2730 and 2731) **CalARP REGISTRATION FORM** (See Section V of BP guidelines and forms)
C. UNDERGROUND STORAGE TANKS (USTs) 1. Own or operate underground storage tanks?	☐ YES ☒ NO	**UST FACILITY** **UST TANK (Pages 1 and 2)** (One set per tank)
2. Intend to upgrade existing or install new USTs?	☐ YES ☒ NO	**UST FACILITY** **UST TANK (Pages 1 and 2)** (One set per tank) **UST INSTALLATION – CERTIFICATE OF COMPLIANCE** (one page per tank)
3. Need to report closing a UST?	☐ YES ☒ NO	**UST FACILITY** **UST TANK (Pages 1 and 2)** (One set per tank) **HAZARDOUS WASTE TANK CLOSURE CERTIFICATION**
D. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Store greater than 1320 gallons of petroleum products (new or used) in aboveground tanks or containers?	☒ YES ☐ NO	**IF YES, PREPARE AND MAINTAIN A SPILL PREVENTION CONTROL & COUNTERMEASURES PLAN (SPCC) TO ADDRESS RELEASES FROM**
E. HAZARDOUS WASTE 1. Generate ANY amount of hazardous waste?	☒ YES ☐ NO	**EPA ID NUMBER—provide at the top of this page** **BUSINESS EMERGENCY/CONTINGENCY PLAN** (Used in place of OES Form 2730 and 2731)
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per CHSC §25143.2)?	☐ YES ☒ NO	**RECYCLABLE MATERIALS REPORT (Pages 1 and 2)**
3. Treat hazardous waste on site?	☐ YES ☒ NO	**ONSITE HAZARDOUS WASTE TRT - FACILITY** **ONSITE HAZARDOUS WASTE TRT - UNIT** (one per unit)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO	**CERTIFICATION OF FINANCIAL ASSURANCE**
5. Consolidated hazardous waste generated at a remote site?	☐ YES ☒ NO	**REMOTE WASTE/CONSOLIDATED SITE ANNUAL NOTIFICATION**
6. Generate in any single calendar month 1,000 kilograms (kg) (2,200 pounds) or more of federal RCRA hazardous waste, or generate in any single calendar month, or accumulate at any time, 1 kg (2.2 pounds) of RCRA acute hazardous waste; or generate or accumulate at any time more than 100 kg (220 pounds) of spill cleanup materials contaminated with RCRA acute hazardous waste.	☐ YES ☒ NO	**IF YES, OBTAIN FEDERAL EPA ID NUMBER, FILE BIENNIEL REPORT (EPA FORM 8700-13A/B) WITH USEPA, AND SATISFY REQUIREMENTS FOR RCRA LARGE QUANTITY GENERATOR.**

Etiwanda LLC
8996 Etiwanda Ave.
Rancho Cucamonga, CA 91739
(909) 899-7260
(909) 899-7222 Fax

January 11, 2005

San Bernardino County Fire Department
Hazardous Materials Division
620 South "E" Street
San Bernardino, CA 92415-0153

Dear Sir or Madam:

In accordance with the Business Emergency / Contingency Plan Guidelines and Forms, Section 1, General Information, When Is The Business Plane To Be Updated? As requested in the for mention section the following documents are attached:

1) Letter of explanation.
2) Business Emergency / Contingency Plan Cover Sheet.
3) Business Activities.
4) Business Owner / Operator Identification.
5) Emergency Contacts.

Etiwanda Generating Station has had a change of Contact Personnel for the facility. A complete updated Business Emergency / Contingency Plan will be submitted before March 1st 2005.

If you should have any questions please feel free to call me Paul Lacroix at 909-980-1827.

Sincerely,

Paul Lacroix
Environmental & Safety Representative
Etiwanda Generating Station

RECEIVED
JAN 18 2005
COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS

Business Emergency/Contingency Plan Receipt

Mail to: RELIANT ENERGY ETIWANDA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-9173

Site Address: ETIWANDA GENERATING STATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739-0000

Service Request ID: SR0005399
Facility ID: FA0002943

The Business Emergency/Contingency Plan was received on January 18, 2005 by the Hazardous Materials Division.

For future reference, please note the following Business Emergency/Contingency Plan requirements:

1. The contents of this plan are subject to field verification and a current copy of this plan must be available on site.
2. This plan contains important information on preventing, responding to, and reporting releases of hazardous materials/waste. Employees are expected to be familiar with these portions of the plan.
3. The plan is available for public inspection through this Division, with the exception of substantiated trade secrets, the separate confidential emergency contact page, and maps specifying the precise storage locations of hazardous materials/wastes.
4. Two copies of the plan and/or update is required to be filed with this Division. The second copy will be forwarded to the local fire jurisdiction.
5. The annual deadline for submission of business plan inventory is March 1st. Please note that EPA does not allow EPCRA facilities to file a recertification in place of annual inventory. Also, this Division typically does not send individual notices of this statutory deadline, so please note the March 1st date for future annual submissions.

Within 30 days of any of the following events, an amendment to the Business Emergency/Contingency Plan must be filed:

1. A 100 percent or more increase in quantity of a previously disclosed item.
2. Any handling of a previously undisclosed hazardous material (including waste) required to be inventoried or elimination of a previously inventoried item.
3. Change of business address, business ownership, or business name.
4. Change of emergency contact information or other site conditions that may significantly affect emergency response.

For more information please consult the latest version of the San Bernardino County CUPA Business Emergency/Contingency Plan guidelines and forms, available through our website at www.sbcfire.org or by calling this office at (909) 386-8401.

CUPA

San Bernardino County Fire Department • Hazardous Materials Division

620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

BUSINESS EMERGENCY/CONTINGENCY PLAN COVER SHEET

I. IDENTIFICATION

For Dept Use Only – Log In/Date Stamp

RECEIVED
MAR 01 2004
COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS

FACILITY ID # 3 6 0 0 1 0 0 8 8 7 9

BUSINESS NAME (Same as FACILITY NAME or DBA) 3

Reliant Energy Etiwanda Generating Station

BUSINESS SITE ADDRESS	CITY	ZIPCODE
8996 Etiwanda Ave.	Rancho Cucamonga	91730

II. SUBMISSION CHECKLIST

(Complete this Section if submitting an entire business emergency/contingency plan whether new or revised)

Submission Checklist ☒

Items with an ' * ' are considered "Inventory" under State disclosure laws

- ☒ * Business Activities Form
- ☒ * Business Owner/Operator Identification Form
- ☒ * Supplemental Emergency Contact Page
- ☒ Emergency Response Plans and Procedures
- ☒ * Hazardous Materials Inventory Summary Form for the facility listing materials (including wastes) by item number.
- ☒ * One Hazardous Materials Inventory Form for each hazardous material (including wastes) which meet reporting criteria
- ☒ * Material Safety Data Sheets attached to the inventory form of each material not listed in Appendix I.
- ☒ * Facility map (using grid form provided) consisting of all required features including the location of each inventoried item.
- ☒ Site map (using grid form provided) consisting of all required features including surrounding facilities and areas.
- ☒ Area map - photocopied city map with location of site indicated
- ☒ Owner/Operator has signed and dated the plan and all required individual pages of the plan.
- ☒ Submit 2 copies to the Hazardous Materials Division. One is for distribution to the local fire jurisdiction.
- ☒ ***Retain one copy of the business emergency/contingency at the facility.***

III. UPDATE/CERTIFICATION

(Complete this Section if submitting a partial update or re-certifying an existing Plan)

Check the appropriate boxes below and sign the certification statement. Submit 2 copies of all update information.

☒ Please incorporate the following into my business emergency/contingency plan.

- ☐ New Business Owner/Operator Identification Form
- ☐ New Inventory Forms and new Inventory Summary Form (and maps, if affected).
- ☒ New Supplemental Emergency Contact Page.

☐ Other: _____

Brief explanation of changes: _____

☐ There have been no changes to the inventory. In place of submitting the annual inventory, I hereby attest to all of the following:

- The information contained in the inventory most recently submitted to the CUPA is complete, accurate and up to date.
- There has been no change in the quantity, storage, or handling of hazardous materials (including waste) reported in the most recently submitted inventory.
- No hazardous materials (including waste) subject to inventory requirements are being handled that are not listed on the most recently submitted inventory.
- This certification is not being made to meet annual inventory submission requirements of EPCRA. (EPCRA requires complete annual submission)

IV. SIGNATURE

(Complete this Section for all submissions)

Certification - Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and believe the information is true, accurate and complete.

SIGNATURE OF OWNER/OPERATOR	DATE	NAME OF DOCUMENT PREPARER 135
Daniel W. Ross	2-26-04	Julie Babcock
NAME OF SIGNER *(print)*	TITLE OF SIGNER *(print)*	
Daniel W. Ross	General Manager	

FD SENT
03/02/04

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E", San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	EPA ID # (Hazardous Waste Only)
3 6 [redacted] 0 0 1 [redacted] 0 0 8 8 7 9	CAR000038158

BUSINESS NAME (Same as FACILITY NAME or DBA)
Reliant Energy Etiwanda Generating Station

BUSINESS ADDRESS	CITY	ZIP CODE
8996 Etiwanda Ave.	Rancho Cucamonga	91730

II. ACTIVITIES DECLARATION

Does your facility...	If YES, please complete these portions of the application...	
A. HAZARDOUS MATERIALS Have onsite (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids or 200 cubic feet for compressed gases; or the applicable Federal threshold quantity for an extremely hazardous substance; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70; or handle ANY amount of Class 1 or 2 explosives; or ANY amount Category I or II pesticides.	☒ YES ☐ NO	**BUSINESS EMERGENCY/CONTINGENCY PLAN** (Used in place of OES Form 2730 and 2731)
B. REGULATED SUBSTANCES Have Regulated Substances stored onsite in quantities greater than the threshold planning quantities established by the California Accidental Release Prevention Program (CalARP)?	☒ YES ☐ NO	**BUSINESS EMERGENCY/CONTINGENCY PLAN** (Used in place of OES Form 2730 and 2731) **CalARP REGISTRATION FORM**
C. UNDERGROUND STORAGE TANKS (USTs) 1. Own or operate underground storage tanks?	☐ YES ☒ NO	**UST FACILITY** **UST TANK** (Pages 1 and 2) (One set per tank)
2. Intend to upgrade existing or install new USTs?	☐ YES ☒ NO	**UST FACILITY** **UST TANK** (Pages 1 and 2) (One set per tank) **UST INSTALLATION – CERTIFICATE OF COMPLIANCE** (one page per tank)
3. Need to report closing a UST?	☐ YES ☒ NO	**UST FACILITY** **UST TANK** (Pages 1 and 2) (One set per tank) **HAZARDOUS WASTE TANK CLOSURE CERTIFICATION**
D. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Store greater than 1320 gallons of petroleum products?	☒ YES ☐ NO	IF YOU ANSWERED YES, PREPARE AND MAINTAIN A SPCC PLAN AS PART OF YOUR CONTINGENCY PLAN TO ADDRESS OIL SPILLS AND RELEASES FROM THE ASTs AT YOUR FACILITY.
E. HAZARDOUS WASTE 1. Generate ANY amount of hazardous waste?	☒ YES ☐ NO	**EPA ID NUMBER**—provide at the top of this page **BUSINESS EMERGENCY/CONTINGENCY PLAN** (Used in place of OES Form 2730 and 2731)
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per CHSC §25143.2)?	☐ YES ☒ NO	**RECYCLABLE MATERIALS REPORT** (one per recycler)
3. Treat hazardous waste on site?	☐ YES ☒ NO	**ONSITE HAZARDOUS WASTE TREATMENT - FACILITY** (Formerly DTSC Form 1772) **ONSITE HAZARDOUS WASTE TREATMENT - UNIT** (one page per unit) (Formerly DTSC Forms 1772A, B, C and L)
4. Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO	**CERTIFICATION OF FINANCIAL ASSURANCE** (Formerly DTSC Form 1232)
5. Consolidated hazardous waste generated at a remote site?	☐ YES ☒ NO	**REMOTE WASTE / CONSOLIDATED SITE ANNUAL NOTIFICATION** (Formerly DTSC Form 1196)

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # 3 6 0 0 1 0 0 8 8 7 9 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)
Etiwanda Generating Station

FACILITY ADDRESS 103
8996 Etiwanda Ave.

CITY 104
Rancho Cucamonga

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
1	Acetylene	2,750	300	Cu.Ft.
2	Ammonium Hydroxide	330	55	Gallons
3	Argon	6,000	300	Cu.Ft.
4	Carbon Dioxide	8,000	8,000	Pounds
5	CL - 37	60	5	Gallons
6	Cl - 5	55	5	Gallons
7	LCS - 20	300	50	Pounds
8	CR – 3 Cleaner / Degreaser	295	55	Gallons
9	Diesel Oil	100	55	Gallons
10	Fyrewash SB	75	55	Gallons
11	Gasoline	250	250	Gallons
12	Helium	1,512	300	Cu.Ft.
13	Hydrazine	245	35	Gallons
14	Hydrogen	82,000	3400	Cu.Ft.

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
Daniel W. Ross	**Daniel W. Ross**	4-30-03

This inventory replaced by inventory of March 1, 04'
GD

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # 3 6 0 0 1 0 0 8 8 7 9 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)
Etiwanda Generating Station

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Ave.	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
15	~~H-450~~ **DELETED**	55	55	Gallons
16	Nitrogen	67,770	67,770	Cu.Ft.
17	Nitrogen	37,800	300	Cu.Ft.
18	EPA Protocol Mixture (126 ppm Nitric Oxide)	2,000	300	Cu.Ft.
19	EPA Protocol Mixture (8.43ppm Oxygen)	3,825	300	Cu.Ft.
20	EPA Protocol Mixture (33.2ppm Nitric Oxide)	3,825	300	Cu.Ft.
21	EPA Protocol Mixture (21.0 ppm Oxygen)	3,825	300	Cu.Ft.
22	Oxygen	2,820	300	Cu.Ft.
23	PCL - 361	1,650	550	Gallons
24	PCL – 4025A	2,000	1,000	Gallons
25	PCLX – 180	1,500	1,500	Gallons
26	Mixed oil and latex paint.	100	65	Gallons
27	Potassium Nitrate	700	50	Pounds
28	~~Potassium Tetraborate~~ **DELETED**	1,600	50	Pounds

Sum2marize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (print) 136	DATE 134
Daniel W. Ross	**Daniel W. Ross**	4-30-03

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # 3 6 0 0 1 0 0 8 8 7 9 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)
Etiwanda Generating Station

FACILITY ADDRESS 103	CITY 104
8996 Etiwanda Ave.	**Rancho Cucamonga**

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
29	Propane	25	10	Gallons
30	Sodium Carbonate	2,000	50	Pounds
31	Sodium Hydroxide	200	100	Pounds
32	Sodium Hypochlorite	6,300	2,100	Gallons
33	Monosodium Phosphate	1,000	550	Pounds
34	Disodium Phosphate	800	50	Pounds
35	Trisodium Phosphate	800	50	Pounds
36	Sulfuric Acid	24,250	10,000	Gallons
37	Automatic Transmission Fluid	300	55	Gallons
38	Turbine Oil	54,000	15,000	Gallons
39	Ammonium Hydroxide 19%	20,000	10,000	Gallons
40	Mixed Gases (Nitrogen)	4,000	300	Cu. Ft.
41	Mixed Gases (Methane / Nitrogen)	4,000	300	Cu. Ft.
42	Mixed Gases (Hydrogen / Carbon Monoxide / Nitrogen)	4,000	300	Cu. Ft.

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
Daniel W. Ross	**Daniel W. Ross**	4-30-03

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # 3 6 0 0 1 0 0 8 8 7 9 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)
Etiwanda Generating Station

FACILITY ADDRESS 103
8996 Etiwanda Ave.

CITY 104
Rancho Cucamonga

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
43	Asbestos Debris	25,000	10,000	Pounds
44	Blasting Grit / Duct sweep	1,500	550	Pounds
45	Cooling Tower Sludge	30,000	10,000	Pounds
46	Cooling Tower Wood	12,000	6,000	Pounds
47	Grease / Fuel Oil / Tar	55	55	Gallons
48	Mercury Contaminated Debris	50	50	Pounds
49	Mercury	50	50	Pounds
50	Oil / Debris / Soil	600	300	Pounds
51	Oil / Water Separator Sludge	5,000	2,500	Gallons
52	Oil with Solvent	110	55	Gallons
53	Paint Chips / Debris with Led	300	55	Pounds
54	Paint Solids / Sludge	55	55	Gallons
55	PCBs Oil / Debris (>2< 50 ppm)	55	55	Gallons
56	PCBs Oil / Debris (>50< 4999 ppm)	55	55	Gallons

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
Daniel W. Ross	**Daniel W. Ross**	4-30-03

CUPA
San Bernardino County Fire Department • Hazardous Materials Division
620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

FACILITY ID # 3 6 0 0 1 0 0 8 8 7 9 1 (This number is on your CUPA permit.)

BUSINESS NAME (Same as FACILITY NAME or DBA)
Etiwanda Generating Station

FACILITY ADDRESS 103
8996 Etiwanda Ave.

CITY 104
Rancho Cucamonga

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example Only)*	*555*	*500*	*Gallon*
57	H550	55	5	Gallons
58	Calcium Hypochlorite	1,000	55	Pounds
59	S-34 NG Ecolink Cleaner / Degreaser	330	55	Gallons
60	Peak Antifreeze	295	1	Gallons
61	Sodium Hydroxide	30	30	Gallons
62				
63				
64				
65				
66				
67				
68				
69				
70				

Summarize the business plan inventory on this page. Place this summary in front of inventory section of the Business Plan. Make copies of this sheet as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and 2 pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
Daniel W. Ross	**Daniel W. Ross**	4-30-03

CUPA

San Bern... ...io County Fire Department • Hazardou... terials Division

620 South "E" Street, San Bernardino, CA 92415-0153 • PHONE: (909) 386-8401 FAX: (909) 386-8460

BUSINESS EMERGENCY/CONTINGENCY PLAN COVER SHEET

I. IDENTIFICATION

For Dept Use Only – Log In/Date Stamp

RECEIVED
APR 30 2003
COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS

FACILITY ID # 3 6 0 0 1 0 0 8 8 7 9

BUSINESS NAME (Same as FACILITY NAME or DBA)

Etiwanda Generating Station

BUSINESS SITE ADDRESS	CITY	ZIPCODE
8996 Etiwanda Ave.	Rancho Cucamonga	91730

II. SUBMISSION CHECKLIST

(Complete this Section if submitting an entire business emergency/contingency plan whether new or revised)

Submission Checklist ☒ *Items with an '*' are considered "Inventory" under State disclosure laws*

- ☒ * Business Activities Form
- ☒ * Business Owner/Operator Identification Form
- ☒ * Supplemental Emergency Contact Page
- ☒ Emergency Response Plans and Procedures
- ☒ * Hazardous Materials Inventory Summary Form for the facility listing materials (including wastes) by item number.
- ☒ * One Hazardous Materials Inventory Form for each hazardous material (including wastes) which meet reporting criteria
- ☒ * Material Safety Data Sheets attached to the inventory form of each material not listed in Appendix I.
- ☒ * Facility map (using grid form provided) consisting of all required features including the location of each inventoried item.
- ☒ Site map (using grid form provided) consisting of all required features including surrounding facilities and areas.
- ☒ Area map - photocopied city map with location of site indicated
- ☒ Owner/Operator has signed and dated the plan and all required individual pages of the plan.
- ☒ Submit 2 copies to the Hazardous Materials Division. One is for distribution to the local fire jurisdiction.
- ☒ ***Retain one copy of the business emergency/contingency at the facility.***

III. UPDATE/CERTIFICATION

(Complete this Section if submitting a partial update or re-certifying an existing Plan)

Check the appropriate boxes below and sign the certification statement. Submit 2 copies of all update information.

☒ Please incorporate the following into my business emergency/contingency plan.

- ☐ New Business Owner/Operator Identification Form
- ☐ New Inventory Forms and new Inventory Summary Form (and maps, if affected).
- ☒ New Supplemental Emergency Contact Page.

☐ Other: _____

Brief explanation of changes: _____

☐ There have been no changes to the inventory. In place of submitting the annual inventory, I hereby attest to all of the following:

- The information contained in the inventory most recently submitted to the CUPA is complete, accurate and up to date.
- There has been no change in the quantity, storage, or handling of hazardous materials (including waste) reported in the most recently submitted inventory.
- No hazardous materials (including waste) subject to inventory requirements are being handled that are not listed on the most recently submitted inventory.
- This certification is not being made to meet annual inventory submission requirements of EPCRA. (EPCRA requires complete annual submission)

IV. SIGNATURE

(Complete this Section for all submissions)

Certification - Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and believe the information is true, accurate and complete.

SIGNATURE OF OWNER/OPERATOR	DATE	NAME OF DOCUMENT PREPARER
Daniel W. Ross	2-27-03	Paul E. Lacroix

NAME OF SIGNER (print)	TITLE OF SIGNER (print)
Daniel W. Ross	Plant Manager

FD SENT
4/30/03

CUPA

San Bernardino County Fire Department • Hazardous Materials Division

620 South "E", San Bernardino, CA 92415-0153 • (909) 386-8401 FAX (909) 386-8460

BUSINESS ACTIVITIES

I. FACILITY IDENTIFICATION

FACILITY ID #	3	6	[redacted]	0	0	1	[redacted]	0	0	8	8	7	9		EPA ID # (Hazardous Waste Only) CAR000038158

BUSINESS NAME (Same as FACILITY NAME or DBA)

Etiwanda Generating Station

BUSINESS ADDRESS	CITY	ZIP CODE
8996 Etiwanda Ave.	Rancho Cucamonga	91730

II. ACTIVITIES DECLARATION

Does your facility...	If YES, please complete these portions of the application...	
A. HAZARDOUS MATERIALS Have onsite (for any purpose) hazardous materials at or above 55 gallons for liquids, 500 pounds for solids or 200 cubic feet for compressed gases; or the applicable Federal threshold quantity for an extremely hazardous substance; or handle radiological materials in quantities for which an emergency plan is required pursuant to 10 CFR Parts 30, 40 or 70; or handle ANY amount of Class 1 or 2 explosives; or ANY amount Category I or II pesticides.	☒ YES ☐ NO	BUSINESS EMERGENCY/CONTINGENCY PLAN (Used in place of OES Form 2730 and 2731)
B. REGULATED SUBSTANCES Have Regulated Substances stored onsite in quantities greater than the threshold planning quantities established by the California Accidental Release Prevention Program (CalARP)?	☒ YES ☐ NO	BUSINESS EMERGENCY/CONTINGENCY PLAN (Used in place of OES Form 2730 and 2731) CalARP REGISTRATION FORM
C. UNDERGROUND STORAGE TANKS (USTs) 1. Own or operate underground storage tanks?	☐ YES ☒ NO	UST FACILITY UST TANK (Pages 1 and 2) (One set per tank)
2. Intend to upgrade existing or install new USTs?	☐ YES ☒ NO	UST FACILITY UST TANK (Pages 1 and 2) (One set per tank) UST INSTALLATION – CERTIFICATE OF COMPLIANCE (one page per tank)
3. Need to report closing a UST?	☐ YES ☒ NO	UST FACILITY UST TANK (Pages 1 and 2) (One set per tank) HAZARDOUS WASTE TANK CLOSURE CERTIFICATION
D. ABOVE GROUND PETROLEUM STORAGE TANKS (ASTs) Store greater than 1320 gallons of petroleum products?	☒ YES ☐ NO	IF YOU ANSWERED YES, PREPARE AND MAINTAIN A SPCC PLAN AS PART OF YOUR CONTINGENCY PLAN TO ADDRESS OIL SPILLS AND RELEASES FROM THE ASTs AT YOUR FACILITY.
E. HAZARDOUS WASTE 1. Generate ANY amount of hazardous waste?	☒ YES ☐ NO	EPA ID NUMBER---provide at the top of this page BUSINESS EMERGENCY/CONTINGENCY PLAN (Used in place of OES Form 2730 and 2731)
2. Recycle more than 100 kg/month of excluded or exempted recyclable materials (per CHSC §25143.2)?	☐ YES ☒ NO	RECYCLABLE MATERIALS REPORT (one per recycler)
3. Treat hazardous waste on site?	☐ YES ☒ NO	ONSITE HAZARDOUS WASTE TREATMENT - FACILITY (Formerly DTSC Form 1772) ONSITE HAZARDOUS WASTE TREATMENT - UNIT (one page per unit) (Formerly DTSC Forms 1772A, B, C and L)
Treatment subject to financial assurance requirements (for Permit by Rule and Conditional Authorization)?	☐ YES ☒ NO	CERTIFICATION OF FINANCIAL ASSURANCE (Formerly DTSC Form 1232)
5. Consolidated hazardous waste generated at a remote site?	☐ YES ☒ NO	REMOTE WASTE / CONSOLIDATED SITE ANNUAL NOTIFICATION (Formerly DTSC Form 1196)

Business Emergency/Contingency Plan Receipt

Mail to: RELIANT ENERGY ETIWANDA
8996 ETIWANDA AVE
RANCHO CUCAMONGA, CA 91739

Site Address: ETIWANDA GENERATING STATION
8996 ETIWANDA AVE
RANCHO CUCAMONGA,CA 91739

Service Request ID: SR0000900
Facility ID: FA0002943

The Business Emergency/Contingency Plan was received on April 29, 2003 by the Hazardous Materials Division.

For future reference, please note the following Business Emergency/Contingency Plan requirements:

1. The contents of this plan are subject to field verification and a current copy of this plan must be available on site.

2. This plan contains important information on preventing, responding to, and reporting releases of hazardous materials/waste. Employees are expected to be familiar with these portions of the plan.

3. The plan is available for public inspection through this Division, with the exception of substantiated trade secrets, the separate confidential emergency contact page, and maps specifying the precise storage locations of hazardous materials/wastes.

4. Two copies of the plan and/or update is required to be filed with this Division. The second copy will be forwarded to the local fire jurisdiction.

5. The annual deadline for submission of business plan inventory is March 1st. Please note that EPA does not allow EPCRA facilities to file a recertification in place of annual inventory. Also, this Division typically does not send individual notices of this statutory deadline, so please note the March 1st date for future annual submissions.

Within 30 days of any of the following events, an amendment to the Business Emergency/Contingency Plan must be filed:

1. A 100 percent or more increase in quantity of a previously disclosed item.

2. Any handling of a previously undisclosed hazardous material (including waste) required to be inventoried or elimination of a previously inventoried item.

3. Change of business address, business ownership, or business name.

4. Change of emergency contact information or other site conditions that may significantly affect emergency response.

For more information please consult the latest version of the San Bernardino County CUPA Business Emergency/Contingency Plan guidelines and forms, available through our website at www.sbcfire.org or by calling this office at (909) 386-8401.

CUPA

San Bernardino County Fire Department

HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT

385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • PHONE: (909)387-4631 FAX: (909) 387-4323

BUSINESS OWNER / OPERATOR IDENTIFICATION

I. IDENTIFICATION

ESTABLISHMENT #:	[redacted]						8	6	0	0	8	8	7	9	[redacted]								
FACILITY ID #	3	6	[redacted]	0	0	1	[redacted]	0	0	8	8	7	9	1	EFFECTIVE DATE 100					ENDING DATE 101			

BUSINESS NAME (Same as FACILITY NAME or DBA) 3: ETIWANDA GENERATING STATION

BUSINESS PHONE 102: (909) 899-7253

BUSINESS FAX NUMBER: (909) 899-7238 or (909) 899-7222

BUSINESS E-MAIL: placroix@reliant.com

BUSINESS SITE ADDRESS 103: 8996 ETIWANDA AVENUE

ASSESSORS PARCEL NUMBER: 0229283280000

CITY 104: RANCHO CUCAMONGA

COUNTY 108: SAN BERNARDINO

CA

ZIP CODE 105: 91739

BUSINESS MAILING ADDRESS: 8996 ETIWANDA AVENUE

CITY: RANCHO CUCAMONGA

STATE: CA

ZIP CODE: 91739

D&B NUMBER 106: 07-954-8574

FEDERAL ID NUMBER: 436-9984-25

SIC/NAICS CODE 107: 4911

BUSINESS DESCRIPTION: ELECTRIC POWER GENERATION

BUSINESS OPERATOR NAME 109: RELIANT ENERGY ETIWANDA, LLC

BUSINESS OPERATOR PHONE 110: (909) 899-7241

II. BUSINESS OWNER

OWNER NAME 111: RELIANT ENERGY ETIWANDA, LLC

OWNER PHONE 112: (909) 899-7241

OWNER MAILING ADDRESS 113: 8996 ETIWANDA AVENUE

CITY 114: RANCHO CUCAMONGA

STATE 115: CA

ZIP CODE 116: 91739

III. ENVIRONMENTAL CONTACT

CONTACT NAME 117: Paul Lacroix

CONTACT PHONE 118: (909) 899-7253

CONTACT MAILING ADDRESS 119: 8996 ETIWANDA AVENUE

CITY 120: RANCHO CUCAMONGA

STATE 121: CA

ZIP CODE 122: 91739

IV. EMERGENCY CONTACTS*

- PRIMARY -	- SECONDARY -
NAME 123: Daniel W. Ross	NAME 128: Paul Lacroix
TITLE 124: Plant Manager	TITLE 129: Environmental and Safety Coordinator
BUSINESS PHONE 125: 909-899-7241	BUSINESS PHONE 130: 909-899-7253
HOME PHONE (NOT CONFIDENTIAL - SEE NOTE BELOW): See Confidential Emergency Contact Page	HOME PHONE (NOT CONFIDENTIAL - SEE NOTE BELOW): See Confidential Emergency Contact Page
OTHER 24-HOUR PHONE (NOT CONFIDENTIAL - SEE NOTE BELOW) 126:	24-HOUR PHONE (NOT CONFIDENTIAL - SEE NOTE BELOW) 131:
PAGER/CELL # 127:	PAGER /CELL # 132:

*HOME PHONE NUMBERS ARE REQUIRED FOR ALL HAZARDOUS WASTE GENERATORS. IF YOU WISH TO KEEP 24-HOUR OR HOME PHONE NUMBERS CONFIDENTIAL, FILE THE SEPARATE CONFIDENTIAL EMERGENCY CONTACT PAGE AND LEAVE THE ABOVE 24 HR FIELDS BLANK. ALSO USE THE SEPARATE PAGE TO DESIGNATE MORE THAN 2 EMERGENCY COORDINATORS.

V. SIGNATURE

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (print) 136	DATE 134
Daniel W Ross	DANIEL W. ROSS	01-16-03

FD SENT 2/19/03

replaced by Complete plan of 2/28/03

Lacroix, Paul E.

From: Brundage, Kathleen [kbrundage@fire.sbcounty.gov]
Sent: Thursday, January 02, 2003 2:59 PM
To: Lacroix, Paul E.
Subject: Business Plan Update



Business Plan V3.1 (Electronic...

Here is the update sheets for the plan. I'll make a note in the file in the meantime that Kim is no longer with your company and list you as the primary contact. See you on the 17th.

Kathleen M. Brundage
San Bernardino County Fire Department
Hazardous Materials Division
620 South "E" Street
San Bernardino, CA 92415-0153
(909) 386-8401
(909) 386-8460 fax

<<Business Plan V3.1 (Electronic Format Master).doc>>

COUNTY FIRE
HAZARDOUS MATERIALS
01 APR 30 PM 4:01

April 30, 2001

Marilyn Kraft, REHS
Emergency Response and Enforcement
Hazardous Materials Division
San Bernardino County Fire Department
385 N. Arrowhead Ave.
San Bernardino, CA 92415-0153

Subject: Business Emergency/Contingency Plan

Dear Ms. Kraft,

Attached please find a revision to the 2001 Business Emergency/Contingency Plan for the Reliant Energy Etiwanda Generating Station located at 8996 Etiwanda Ave., Rancho Cucamonga, CA. This revision reflects all changes/corrections necessary to the plan with the transition and/or reassignment of personnel. The hazardous materials inventory and facility maps have not changed and are not being resubmitted at this time.

If you have any questions or need additional information, please contact Kimberly Brown at (909) 899-7204.

Sincerely,

Kimberly Brown
Plant Environmental and Safety Coordinator
Reliant Energy Etiwanda, L.L.C.

replaced by plan of 2/28/03

San Bernardino County Fire Department
HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT
385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • PHONE: (909)387-4631 FAX: (909) 387-4323

BUSINESS EMERGENCY/CONTINGENCY PLAN COVER SHEET

I. IDENTIFICATION

ESTABLISHMENT #							8	6	0	0	8	8	7	9										
FACILITY ID #	3	6		0	0	1		0	0	8	8	7	9											1

BUSINESS NAME (Same as FACILITY NAME or DBA) 3
ETIWANDA GENERATING STATION

BUSINESS SITE ADDRESS: 8996 ETIWANDA AVENUE
CITY: RANCHO CUCAMONGA
ZIPCODE: 91739

For Dept Use Only – Log In/Date Stamp
RECEIVED
APR 30 2001
COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS

II. SUBMISSION CHECKLIST

(Complete this Section if submitting an entire business emergency/contingency plan whether new or revised)

Please check the following items as a final check on your business plan submission:

Submission Checklist (✓) *considered "inventory" under state disclosure laws

- ☒ *Business Activities Form and *Business Owner/Operator Identification Form
- ☒ *Supplemental Emergency Contact Page
- ☒ Emergency Response Plans and Procedures
- ☐ *Hazardous Materials Inventory Summary Form for the facility listing materials (including wastes) by item number.
- ☐ *One Hazardous Materials Inventory Form for each hazardous material (including wastes) which meet reporting criteria
- ☐ *Material Safety Data Sheets attached to the inventory form of each material not listed in Appendix I.
- ☐ *Facility map (using grid form provided) consisting of all required features including the location of each inventoried item.
- ☐ Site map (using grid form provided) consisting of all required features including surrounding facilities and areas.
- ☐ Area map - photocopied city map with location of site indicated
- ☐ Owner/Operator has signed and dated the plan and all required individual pages of the plan.
- ☐ Submit 2 copies to the Hazardous Materials Division. One is for distribution to the local fire jurisdiction.
- ☐ ***Retain one copy of the business plan at the facility.***

III. UPDATE/CERTIFICATION

(Complete this Section if submitting a partial update or recertifying an existing Plan)

Check the appropriate boxes below and sign the certification statement. Submit 2 copies of all update information.

- ☒ Please incorporate the following into my business emergency/contingency plan.
  - ☒ New Business Owner/Operator Identification Form
  - ☐ New Inventory Forms and new Inventory Summary Form (and maps, if affected).
  - ☒ New Supplemental Emergency Contact Page.
  - ☐ Other:

  Brief Explanation of Changes:

- ☐ There have been no changes to the inventory. In place of submitting the annual inventory, I hereby attest to all of the following:
  - The information contained in the inventory most recently submitted to the CUPA is complete, accurate and up to date.
  - There has been no change in the quantity, storage, or handling of hazardous materials (including waste) reported in the most recently submitted inventory.
  - No hazardous materials (including waste) subject to inventory requirements are being handled that are not listed on the most recently submitted inventory.
  - This certification is <u>not</u> being made to meet annual inventory submission requirements of EPCRA. (EPCRA requires complete annual submission)

IV. SIGNATURE

(Complete this Section for all submissions)

Certification - Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and believe the information is true, accurate and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE	DATE 134	NAME OF DOCUMENT PREPARER 135
Daniel W Ross	4-30-01	KIMBERLY BROWN

NAME OF SIGNER (print) 136	TITLE OF SIGNER (print) 137
DANIEL W. ROSS	PLANT MANAGER

CUPA

San Bernardino County Fire Department

HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT

385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • PHONE: (909)387-4631 FAX: (909) 387-4323

BUSINESS OWNER / OPERATOR IDENTIFICATION

I. IDENTIFICATION

ESTABLISHMENT #:	[redacted]				8	6	0	0	8	8	7	9	[redacted]		
FACILITY ID #	3	6	[redacted]	0	0	1	[redacted]	0	0	8	8	7	9	1	

EFFECTIVE DATE 100 | ENDING DATE 101

BUSINESS NAME (Same as FACILITY NAME or DBA) 3: ETIWANDA GENERATING STATION

BUSINESS PHONE 102: (909) 899-7291

BUSINESS FAX NUMBER: (909) 899-7222

BUSINESS E-MAIL: KABrown@reliant.com

BUSINESS SITE ADDRESS 103: 8996 ETIWANDA AVENUE

ASSESSORS PARCEL NUMBER: 0229283280000

CITY 104: RANCHO CUCAMONGA

COUNTY 108: SAN BERNARDINO

CA

ZIP CODE 105: 91739

BUSINESS MAILING ADDRESS: 8996 ETIWANDA AVENUE

CITY: RANCHO CUCAMONGA

STATE: CA

ZIP CODE: 91739

D&B NUMBER 106: 07-954-8574

FEDERAL ID NUMBER: 436-9984-25

SIC/NAICS CODE 107: 4911

BUSINESS DESCRIPTION: ELECTRIC POWER GENERATION

BUSINESS OPERATOR NAME 109: RELIANT ENERGY ETIWANDA, LLC

BUSINESS OPERATOR PHONE 110: (909) 899-7241

II. BUSINESS OWNER

OWNER NAME 111: RELIANT ENERGY ETIWANDA, LLC

OWNER PHONE 112: (909) 899-7241

OWNER MAILING ADDRESS 113: 8996 ETIWANDA AVENUE

CITY 114: RANCHO CUCAMONGA

STATE 115: CA

ZIP CODE 116: 91739

III. ENVIRONMENTAL CONTACT

CONTACT NAME 117: KIMBERLY BROWN

CONTACT PHONE 118: (909) 899-7204

CONTACT MAILING ADDRESS 119: 8996 ETIWANDA AVENUE

CITY 120: RANCHO CUCAMONGA

STATE 121: CA

ZIP CODE 122: 91739

IV. EMERGENCY CONTACTS*

- PRIMARY -		- SECONDARY -	
NAME 123	Dan Best	NAME 128	Kimberly Brown
TITLE 124	Operations Supervisor	TITLE 129	Environmental and Safety Coordinator
BUSINESS PHONE 125	909-899-7254	BUSINESS PHONE 130	909-899-7204
HOME PHONE (NOT CONFIDENTIAL - SEE NOTE BELOW)	See Confidential Emergency Contact Page	HOME PHONE (NOT CONFIDENTIAL - SEE NOTE BELOW)	See Confidential Emergency Contact Page
OTHER 24-HOUR PHONE (NOT CONFIDENTIAL - SEE NOTE BELOW) 126		24-HOUR PHONE (NOT CONFIDENTIAL - SEE NOTE BELOW) 131	
PAGER/CELL # 127		PAGER /CELL # 132	

*HOME PHONE NUMBERS ARE REQUIRED FOR ALL HAZARDOUS WASTE GENERATORS. IF YOU WISH TO KEEP 24-HOUR OR HOME PHONE NUMBERS CONFIDENTIAL, FILE THE SEPARATE CONFIDENTIAL EMERGENCY CONTACT PAGE AND LEAVE THE ABOVE 24 HR FIELDS BLANK. ALSO USE THE SEPARATE PAGE TO DESIGNATE MORE THAN 2 EMERGENCY COORDINATORS.

V. SIGNATURE

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
Daniel W. Ross	DANIEL W. ROSS	4-30-01

CUPA

San Bernardino County Fire Department

HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT

385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • PHONE: (909)387-4631 FAX: (909) 387-4323

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

ESTABLISHMENT #	[redacted]				8	6	0	0	8	8	7	9	
FACILITY ID #	3	[redacted]		0	0	1	[redacted]	0	0	8	8	7	9	1

BUSINESS NAME (Same as FACILITY NAME or DBA) 3

ETIWANDA GENERATING STATION

FACILITY ADDRESS 103: 8996 ETIWANDA AVENUE

CITY: RANCHO CUCAMONGA

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
1	ACETYLENE	2750	300	CU. FT.
2	AMMONIUM HYDROXIDE	330	55	GALLONS
3	ARGON	6000	300	CU. FT.
4	CARBON DIOXIDE	8000	8000	POUNDS
5	CL-37	60	5	GALLONS
6	CL-5	55	5	GALLONS
7	CORROSION INHIBITOR CS	300	50	POUNDS
8	CR-3 CLEANER/DEGREASER	295	55	GALLONS
9	DIESEL OIL	100	55	GALLONS
10	FYREWASH SB	75	55	GALLONS
11	GASOLINE	250	250	GALLONS
12	HELIUM	1512	300	CU. FT.
13	HYDRAZINE	245	35	GALLONS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of business plan. Make copies of this sheet (or replicate on a computer) as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and II pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
Daniel W. Ross	DANIEL W. ROSS	3/1/02

inventory replaced by inventory of 2/27/03

CUPA
San Bernardino County Fire Department
HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT
385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • PHONE: (909)387-4631 FAX: (909) 387-4323

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

ESTABLISHMENT # [redacted] 8 6 0 0 8 8 7 9

FACILITY ID # 3 [redacted] 0 0 1 [redacted] 0 0 8 8 7 9 1

BUSINESS NAME (Same as FACILITY NAME or DBA) 3
ETIWANDA GENERATING STATION

FACILITY ADDRESS 103
8996 ETIWANDA AVENUE

CITY
RANCHO CUCAMONGA

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
14	HYDROGEN	82000	3400	CU. FT.
15	H-450	55	55	GALLONS
16	NITROGEN	67770	67770	CU. FT
17	NITROGEN	37800	300	CU. FT.
18	EPA PROTOCOL MIXTURE (126 PPM NITRIC OXIDE)	2000	300	CU. FT.
19	EPA PROTOCOL MIXTURE (8.43 PPM OXYGEN	3825	300	CU. FT.
20	EPA PROTOCOL MIXTURE (33.2 PPM NITRIC OXIDE)	3825	300	CU. FT.
21	EPA PROTOCOL MIXTURE (21.0 PPM OXYGEN)	3825	300	CU. FT.
22	OXYGEN	2820	300	CU. FT.
23	PCL-361	1650	550	GALLONS
24	PCL-4025A	2000	1000	GALLONS
25	PCLX-180	1500	1500	GALLONS
26	MIXED OIL AND LATEX PAINT	100	65	GALLONS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of business plan. Make copies of this sheet (or replicate on a computer) as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and II pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (print) 136	DATE 134
Daniel W Ross	DANIEL W. ROSS	3/1/02

CUPA

San Bernardino County Fire Department

HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT

385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • PHONE: (909)387-4631 FAX: (909) 387-4323

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

ESTABLISHMENT # [redacted] 8 6 0 0 8 8 7 9

FACILITY ID # 3 [redacted] 0 0 1 [redacted] 0 0 8 8 7 9 1

BUSINESS NAME (Same as FACILITY NAME or DBA) 3

ETIWANDA GENERATING STATION

FACILITY ADDRESS 103

8996 ETIWANDA AVENUE

CITY

RANCHO CUCAMONGA

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
27	POTASSIUM NITRITE	700	50	POUNDS
28	POTASSIUM TETRABORATE - DELETED	1600	50	POUNDS
29	PROPANE	25	10	GALLONS
30	SODIUM CARBONATE	2000	50	POUNDS
31	SODIUM HYDROXIDE	200	100	POUNDS
32	SODIUM HYPOCHLORITE	6300	2100	GALLONS
33	MONOSODIUM PHOSPHATE	1000	550	POUNDS
34	DISODIUM PHOSPHATE	800	50	POUNDS
35	TRISODIUM PHOSPHATE	800	50	POUNDS
36	SULFURIC ACID	24250	10000	GALLONS
37	AUTOMATIC TRANSMISSION FLUID	300	55	GALLONS
38	TURBINE OIL	54000	15000	GALLONS
39	AMMONIUM HYDROXIDE 19%	20000	10000	GALLONS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of business plan. Make copies of this sheet (or replicate on a computer) as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and II pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR: Daniel W. Ross

NAME OF SIGNER (print) 136: DANIEL W. ROSS

DATE 134: 3/1/02

CUPA

San Bernardino County Fire Department

HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT

385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • PHONE: (909)387-4631 FAX: (909) 387-4323

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

ESTABLISHMENT # [redacted] 8 6 0 0 8 8 7 9

FACILITY ID # 3 [redacted] 0 0 1 [redacted] 0 0 8 8 7 9 1

BUSINESS NAME (Same as FACILITY NAME or DBA) 3

ETIWANDA GENERATING STATION

FACILITY ADDRESS 103: 8996 ETIWANDA AVENUE

CITY: RANCHO CUCAMONGA

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
40	MIXED GASES (NITROGEN)	4000	300	CU. FT.
41	MIXED GASES (METHANE/NITROGEN)	4000	300	CU. FT.
42	MIXED GASES (HYDROGEN/CARBON MONOXIDE/NITROGEN)	4000	300	CU. FT.
	HAZARDOUS WASTES SUMMARY			
43	ASBESTOS DEBRIS	25000	10000	POUNDS
44	BLASTING GRIT/DUCT SWEEP	1500	550	POUNDS
45	COOLING TOWER SLUDGE	30000	10000	POUNDS
46	COOLING TOWER WOOD	12000	6000	POUNDS
47	GREASE/FUEL OIL/TAR	55	55	GALLONS
48	MERCURY CONTAMINATED DEBRIS	50	50	POUNDS
49	MERCURY	50	50	POUNDS
50	OIL/DEBRIS/SOIL	600	300	POUNDS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of business plan. Make copies of this sheet (or replicate on a computer) as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and II pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
Daniel W Ross	DANIEL W. ROSS	3/1/02

CUPA

San Bernardino County Fire Department

HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT

385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • PHONE: (909)387-4631 FAX: (909) 387-4323

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

ESTABLISHMENT # [redacted] 8 6 0 0 8 8 7 9

FACILITY ID # 3 [redacted] 0 0 1 [redacted] 0 0 8 8 7 9 1

BUSINESS NAME (Same as FACILITY NAME or DBA) 3
ETIWANDA GENERATING STATION

FACILITY ADDRESS 103
8996 ETIWANDA AVENUE

CITY
RANCHO CUCAMONGA

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example only)*	*555*	*500*	*Gallons*
51	OIL/WATER SEPARATOR SLUDGE	2500	5000	GALLONS
52	OIL WITH SOLVENT	110	55	GALLONS
53	PAINT CHIPS/DEBRIS WITH LEAD	300	300	POUNDS
54	PAINT SOLIDS/SLUDGE	55	55	GALLONS
55	PCB OIL/DEBRIS (>2<50 PPM)	55	55	GALLONS
56	PCB OIL/DEBRIS (>50<4999 PPM)	55	55	GALLONS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of business plan. Make copies of this sheet (or replicate on a computer) as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and II pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
Daniel W. Ross	DANIEL W. ROSS	3/1/02

CUPA
San Bernardino County Fire Department
HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT
385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • PHONE: (909)387-4631 FAX: (909) 387-4323

BUSINESS OWNER / OPERATOR IDENTIFICATION

I. IDENTIFICATION

| | | |

RELIANT ENERGY ETIWANDA, L.L.C.
8996 Etiwanda Avenue
Rancho Cucamonga, CA 91739
(909) 899-7291 FAX (909) 899-7222

February 28, 2001

RECEIVED
FEB 28 2001
COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS

Marilyn Kraft, REHS
Emergency Response and Enforcement
Hazardous Materials Division
San Bernardino County Fire Department
385 N. Arrowhead Ave.
San Bernardino, CA 92415-0153

Subject: Business Emergency/Contingency Plan

Dear Ms. Kraft,

Attached please find the 2001 Business Emergency/Contingency Plan for the Reliant Energy Etiwanda Generating Station located at 8996 Etiwanda Ave., Rancho Cucamonga, CA. Please be advised that Reliant Energy will assume full operations responsibility for the facility from Edison O&M Services effective April 1, 2001. At that time, the station will submit any changes/corrections necessary to the plan with the transition and/or reassignment of personnel.

If you have any questions or need additional information, please contact Paul Lacroix at (909) 899-7253.

Sincerely

Gregory J. Hoxeng

Gregory J. Hoxeng
Environmental Coordinator
Edison O&M Services
for
Reliant Energy Etiwanda, L.L.C.

San Bernardino County Fire Department
HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT
385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • PHONE: (909)387-4631 FAX: (909) 387-4323

BUSINESS EMERGENCY/CONTINGENCY PLAN COVER SHEET

I. IDENTIFICATION

ESTABLISHMENT #					8	6	0	0	8	8	7	9		
FACILITY ID #	3	6		0	0	1		0	0	8	8	7	9	1

BUSINESS NAME (Same as FACILITY NAME or DBA) 3
ETIWANDA GENERATING STATION

BUSINESS SITE ADDRESS: 8996 ETIWANDA AVENUE
CITY: RANCHO CUCAMONGA
ZIPCODE: 91739

For Dept Use Only – Log In/Date Stamp
RECEIVED
FEB 27 2002
COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS

II. SUBMISSION CHECKLIST

(Complete this Section if submitting an entire business emergency/contingency plan whether new or revised)

Please check the following items as a final check on your business plan submission:

Submission Checklist (✔) *considered "inventory" under state disclosure laws

- ☒ *Business Activities Form and *Business Owner/Operator Identification Form
- ☒ *Supplemental Emergency Contact Page
- ☒ Emergency Response Plans and Procedures
- ☒ *Hazardous Materials Inventory Summary Form for the facility listing materials (including wastes) by item number.
- ☒ *One Hazardous Materials Inventory Form for each hazardous material (including wastes) which meet reporting criteria
- ☒ *Material Safety Data Sheets attached to the inventory form of each material not listed in Appendix I.
- ☒ *Facility map (using grid form provided) consisting of all required features including the location of each inventoried item.
- ☒ Site map (using grid form provided) consisting of all required features including surrounding facilities and areas.
- ☒ Area map - photocopied city map with location of site indicated
- ☒ Owner/Operator has signed and dated the plan and all required individual pages of the plan.
- ☒ Submit 2 copies to the Hazardous Materials Division. One is for distribution to the local fire jurisdiction.
- ☒ ***Retain one copy of the business plan at the facility.***

III. UPDATE/CERTIFICATION

(Complete this Section if submitting a partial update or recertifying an existing Plan)

Check the appropriate boxes below and sign the certification statement. Submit 2 copies of all update information.

- ☒ Please incorporate the following into my business emergency/contingency plan.
  - ☒ New Business Owner/Operator Identification Form
  - ☒ New Inventory Forms and new Inventory Summary Form (and maps, if affected).
  - ☒ New Supplemental Emergency Contact Page.
  - ☐ Other:

Brief Explanation of Changes:

- ☐ There have been no changes to the inventory. In place of submitting the annual inventory, I hereby attest to all of the following:
  - The information contained in the inventory most recently submitted to the CUPA is complete, accurate and up to date.
  - There has been no change in the quantity, storage, or handling of hazardous materials (including waste) reported in the most recently submitted inventory.
  - No hazardous materials (including waste) subject to inventory requirements are being handled that are not listed on the most recently submitted inventory.
  - This certification is not being made to meet annual inventory submission requirements of EPCRA. (EPCRA requires complete annual submission)

IV. SIGNATURE

(Complete this Section for all submissions)

Certification - Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and believe the information is true, accurate and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE	DATE 134	NAME OF DOCUMENT PREPARER 135
Daniel W. Ross	3/1/02	KIMBERLY BROWN

NAME OF SIGNER (print) 136	TITLE OF SIGNER (print) 137
DANIEL W. ROSS	PLANT MANAGER

FD SENT
2/28/02

San Bernardino County Fire Depa nt
HAZARDOUS MATERIALS DIVISION • EMERGENCY RESP E AND ENFORCEMENT
385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • PHONE: (909)387-4631 FAX: (909) 387-4323

BUSINESS EMERGENCY/CONTINGENCY PLAN COVER SHEET

I. IDENTIFICATION

ESTABLISHMENT #	[redacted]			8	6	0	0	8	8	7	9	[redacted]		
FACILITY ID #	3	6	[redacted]	0	0	1	[redacted]	0	0	8	8	7	9	[redacted] 1

BUSINESS NAME (Same as FACILITY NAME or DBA) 3
ETIWANDA GENERATING STATION

BUSINESS SITE ADDRESS: 8996 ETIWANDA AVENUE
CITY: RANCHO CUCAMONGA
ZIPCODE: 91739

For Dept Use Only – Log In/Date Stamp
RECEIVED
FEB 28 2001
COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS

II. SUBMISSION CHECKLIST

(Complete this Section if submitting an entire business emergency/contingency plan whether new or revised)

Please check the following items as a final check on your business plan submission:

Submission Checklist (✓) *considered "inventory" under state disclosure laws

- ☒ *Business Activities Form and *Business Owner/Operator Identification Form
- ☒ *Supplemental Emergency Contact Page
- ☒ Emergency Response Plans and Procedures
- ☒ *Hazardous Materials Inventory Summary Form for the facility listing materials (including wastes) by item number.
- ☒ *One Hazardous Materials Inventory Form for each hazardous material (including wastes) which meet reporting criteria
- ☒ *Material Safety Data Sheets attached to the inventory form of each material not listed in Appendix I.
- ☒ *Facility map (using grid form provided) consisting of all required features including the location of each inventoried item.
- ☒ Site map (using grid form provided) consisting of all required features including surrounding facilities and areas.
- ☒ Area map - photocopied city map with location of site indicated
- ☒ Owner/Operator has signed and dated the plan and all required individual pages of the plan.
- ☒ Submit 2 copies to the Hazardous Materials Division. One is for distribution to the local fire jurisdiction.
- ☒ ***Retain one copy of the business plan at the facility.***

III. UPDATE/CERTIFICATION

(Complete this Section if submitting a partial update or recertifying an existing Plan)

Check the appropriate boxes below and sign the certification statement. Submit 2 copies of all update information.

- ☒ Please incorporate the following into my business emergency/contingency plan.
  - ☒ New Business Owner/Operator Identification Form
  - ☒ New Inventory Forms and new Inventory Summary Form (and maps, if affected).
  - ☒ New Supplemental Emergency Contact Page.
  - ☐ Other:

  Brief Explanation of Changes:

- ☐ There have been no changes to the inventory. In place of submitting the annual inventory, I hereby attest to all of the following:
  - The information contained in the inventory most recently submitted to the CUPA is complete, accurate and up to date.
  - There has been no change in the quantity, storage, or handling of hazardous materials (including waste) reported in the most recently submitted inventory.
  - No hazardous materials (including waste) subject to inventory requirements are being handled that are not listed on the most recently submitted inventory.
  - This certification is not being made to meet annual inventory submission requirements of EPCRA. (EPCRA requires complete annual submission)

IV. SIGNATURE

(Complete this Section for all submissions)

Certification - Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and believe the information is true, accurate and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE	DATE 134	NAME OF DOCUMENT PREPARER 135
Daniel W Ross	02/22/01	PAUL LACROIX
NAME OF SIGNER (print) 136	TITLE OF SIGNER (print) 137	
DANIEL W. ROSS	PLANT MANAGER	

CUPA

San Bernardino County Fire Department

HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT

385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • PHONE: (909)387-4631 FAX: (909) 387-4323

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

ESTABLISHMENT #	[redacted]				8	6	0	0	8	8	7	9	
FACILITY ID #	3	6	[redacted]	0	0	1	[redacted]	0	0	8	8	7	9

BUSINESS NAME (Same as FACILITY NAME or DBA) 3

ETIWANDA GENERATING STATION

FACILITY ADDRESS 103: 8996 ETIWANDA AVENUE

CITY: RANCHO CUCAMONGA

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example only)*	*555*	*500*	*Gallons*
1	ACETYLENE	2750	300	CU. FT.
2	AMMONIUM HYDROXIDE	330	55	GALLONS
3	ARGON	6000	300	CU. FT.
4	CARBON DIOXIDE	8000	8000	POUNDS
5	CL-37	60	5	GALLONS
6	CL-5	55	5	GALLONS
7	CORROSION INHIBITOR CS	300	50	POUNDS
8	CR-3 CLEANER/DEGREASER	295	55	GALLONS
9	DIESEL OIL	100	55	GALLONS
10	FYREWASH SB	75	55	GALLONS
11	GASOLINE	250	250	GALLONS
12	HELIUM	1512	300	CU. FT.
13	HYDRAZINE	245	35	GALLONS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of business plan. Make copies of this sheet (or replicate on a computer) as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and II pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
Daniel W Ross	DANIEL W. ROSS	2-26-01

inventory of 2/27/02 replaces this inventory - KB

CUPA

San Bernardino County Fire Department

HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT

385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • PHONE: (909)387-4631 FAX: (909) 387-4323

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

ESTABLISHMENT #	[redacted]				8	6	0	0	8	8	7	9	
FACILITY ID #	3	6	[redacted]	0	0	1	[redacted]	0	0	8	8	7	9	[redacted]

BUSINESS NAME (Same as FACILITY NAME or DBA) 3

ETIWANDA GENERATING STATION

FACILITY ADDRESS 103

8996 ETIWANDA AVENUE

CITY

RANCHO CUCAMONGA

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example only)*	*555*	*500*	*Gallons*
14	HYDROGEN	82000	3400	CU. FT.
15	H-450	55	55	GALLONS
16	NITROGEN	67770	67770	CU. FT
17	NITROGEN	37800	300	CU. FT.
18	EPA PROTOCOL MIXTURE (126 PPM NITRIC OXIDE)	2000	300	CU. FT.
19	EPA PROTOCOL MIXTURE (8.43 PPM OXYGEN	3825	300	CU. FT.
20	EPA PROTOCOL MIXTURE (33.2 PPM NITRIC OXIDE)	3825	300	CU. FT.
21	EPA PROTOCOL MIXTURE (21.0 PPM OXYGEN)	3825	300	CU. FT.
22	OXYGEN	2820	300	CU. FT.
23	PCL-361	1650	550	GALLONS
24	PCL-4025A	2000	1000	GALLONS
25	PCLX-180	1500	1500	GALLONS
26	MIXED OIL AND LATEX PAINT	100	65	GALLONS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of business plan. Make copies of this sheet (or replicate on a computer) as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and II pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
Daniel W Ross	DANIEL W. ROSS	2-26-01

CUPA

San Bernardino County Fire Department

HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT

385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • PHONE: (909)387-4631 FAX: (909) 387-4323

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

ESTABLISHMENT #					8	6	0	0	8	8	7	9	
FACILITY ID #	3	6		0	0	1		0	0	8	8	7	9

BUSINESS NAME (Same as FACILITY NAME or DBA) 3

ETIWANDA GENERATING STATION

FACILITY ADDRESS 103: 8996 ETIWANDA AVENUE

CITY: RANCHO CUCAMONGA

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example only)*	*555*	*500*	*Gallons*
27	POTASSIUM NITRITE	700	50	POUNDS
28	POTASSIUM TETRABORATE	1600	50	POUNDS
29	PROPANE	25	10	GALLONS
30	SODIUM CARBONATE	2000	50	POUNDS
31	SODIUM HYDROXIDE	200	100	POUNDS
32	SODIUM HYPOCHLORITE	6300	2100	GALLONS
33	MONOSODIUM PHOSPHATE	1000	550	POUNDS
34	DISODIUM PHOSPHATE	800	50	POUNDS
35	TRISODIUM PHOSPHATE	800	50	POUNDS
36	SULFURIC ACID	24250	10000	GALLONS
37	AUTOMATIC TRANSMISSION FLUID	300	55	GALLONS
38	TURBINE OIL	54000	15000	GALLONS
39	AMMONIUM HYDROXIDE 19%	20000	10000	GALLONS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of business plan. Make copies of this sheet (or replicate on a computer) as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and II pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
Daniel W Ross	DANIEL W. ROSS	2-26-01

CUPA
San Bernardino County Fire Department
HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT
385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • PHONE: (909)387-4631 FAX: (909) 387-4323

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

ESTABLISHMENT #	[redacted]				8	6	0	0	8	8	7	9	
FACILITY ID #	3	6	[redacted]	0	0	1	[redacted]	0	0	8	8	7	9

BUSINESS NAME (Same as FACILITY NAME or DBA) 3
ETIWANDA GENERATING STATION

FACILITY ADDRESS 103
8996 ETIWANDA AVENUE

CITY
RANCHO CUCAMONGA

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example only)*	*555*	*500*	*Gallons*
40	MIXED GASES (NITROGEN)	4000	300	CU. FT.
41	MIXED GASES (METHANE/NITROGEN)	4000	300	CU. FT.
42	MIXED GASES (HYDROGEN/CARBON MONOXIDE/NITROGEN)	4000	300	CU. FT.
	HAZARDOUS WASTES SUMMARY			
43	ASBESTOS DEBRIS	25000	10000	POUNDS
44	BLASTING GRIT/DUCT SWEEP	1500	550	POUNDS
45	COOLING TOWER SLUDGE	30000	10000	POUNDS
46	COOLING TOWER WOOD	12000	6000	POUNDS
47	GREASE/FUEL OIL/TAR	55	55	GALLONS
48	MERCURY CONTAMINATED DEBRIS	50	50	POUNDS
49	MERCURY	50	50	POUNDS
50	OIL/DEBRIS/SOIL	600	300	POUNDS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of business plan. Make copies of this sheet (or replicate on a computer) as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and II pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
Daniel W Ross	DANIEL W. ROSS	2-26-01

CUPA

San Bernardino County Fire Department

HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT

385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • PHONE: (909)387-4631 FAX: (909) 387-4323

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

ESTABLISHMENT #	[redacted]				8	6	0	0	8	8	7	9	
FACILITY ID #	3	6	[redacted]	0	0	1	[redacted]	0	0	8	8	7	9

BUSINESS NAME (Same as FACILITY NAME or DBA) 3

ETIWANDA GENERATING STATION

FACILITY ADDRESS 103

8996 ETIWANDA AVENUE

CITY

RANCHO CUCAMONGA

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example only)*	*555*	*500*	*Gallons*
51	OIL/WATER SEPARATOR SLUDGE	2500	5000	GALLONS
52	OIL WITH SOLVENT	110	55	GALLONS
53	PAINT CHIPS/DEBRIS WITH LEAD	300	300	POUNDS
54	PAINT SOLIDS/SLUDGE	55	55	GALLONS
55	PCB OIL/DEBRIS (>2<50 PPM)	55	55	GALLONS
56	PCB OIL/DEBRIS (>50<4999 PPM)	55	55	GALLONS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of business plan. Make copies of this sheet (or replicate on a computer) as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and II pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
Daniel W Ross	DANIEL W. ROSS	2-26-01

CUPA

San Bernardino County Fire Department

HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT

385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • PHONE: (909)387-4631 FAX: (909) 387-4323

BUSINESS OWNER / OPERATOR IDENTIFICATION

I. IDENTIFICATION

| | | |

COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO
ECONOMIC DEVELOPMENT
AND PUBLIC SERVICES GROUP

HAZARDOUS MATERIALS DIVISION
EMERGENCY RESPONSE/ENFORCEMENT
385 North Arrowhead Avenue, Second Floor • San Bernardino, CA 92415-0153
(909) 387-4631 • Fax (909) 387-4323

PETER R. HILLS
Fire Chief
County Fire Warden

March 15, 2001

Etiwanda Generating Station
Attn: Paul Lacroix
8996 Etiwanda Ave.
Rancho Cucamonga, CA 91739

SUBJECT: BUSINESS PLAN ACCEPTANCE

FACILITY: 8996 Etiwanda Ave., Rancho Cucamonga

The Hazardous Materials Division has reviewed the amended Business Emergency/Contingency plan of **Etiwanda Generating Station** submitted on **8-21-00** and determined that the data submitted meets the requirements of this CUPA, the California Health and Safety Code, Chapter 6.95, and Title 19 of the California Code of Regulations. The contents of this plan are subject to field verification and inspection and a current copy of this plan must be available on site.

This plan contains important information on preventing, responding to, and reporting releases of hazardous materials/wastes and employees are expected to be familiar with its relevant portions. The contents of this plan are also available for public inspection, with the exception of: substantiated trade secrets, the separate confidential emergency contact page, and portions of the plan (e.g. facility map) specifying the precise locations of hazardous materials/wastes. A copy of this plan has also been sent to the local fire jurisdiction.

Within 30 days of any of the following events, the above business must submit to this office an amendment to the appropriate portions of the inventory:

1. A 100 percent or more increase in quantity of a previously disclosed item.
2. Any handling of a previously undisclosed hazardous material (including waste) required to be inventoried or elimination of a previously inventoried item.
3. Change of business address, business ownership, or business name.
4. Change of emergency contact information or other site conditions that may significantly affect emergency response.

The annual deadline for submission of business plan inventory is March 1st. Please note that EPA does not allow EPCRA facilities to file a recertification in place of annual inventory. Also, this Department typically does not send individual notices of this statutory deadline, so please note the date for future action.

For more information please consult the latest version of the San Bernardino County CUPA Business Emergency/Contingency Plan guidelines and forms or call this office at (909) 387-3080.

Carey Hull

CAREY HULL, REHS
Business Plan Program

WILLIAM H. RANDOLPH
County Administrative Officer

JOHN GOSS
Assistant County Administrator
Economic Development and
Public Services Group

Board of Supervisors
KATHY A. DAVIS ..... First District
JON D. MIKELS ..... Second District
DENNIS HANSBERGER ..... Third District
FRED AGUIAR ..... Fourth District
JERRY EAVES ..... Fifth District

CUPA
San Bernardino County Fire Department
HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT
385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • PHONE: (909)387-4631 FAX: (909) 387-4323

BUSINESS EMERGENCY/CONTINGENCY PLAN COVER SHEET

I. IDENTIFICATION

For Dept Use Only – Log In/Date Stamp

ESTABLISHMENT #							8	6	0	0	8	8	7	9							
FACILITY ID #	3	6		0	0	1		0	0	8	8	7	9								1

BUSINESS NAME (Same as FACILITY NAME or DBA) 3
ETIWANDA GENERATING STATION

BUSINESS SITE ADDRESS: 8996 ETIWANDA AVENUE
CITY: RANCHO CUCAMONGA
ZIPCODE: 91739

II. SUBMISSION CHECKLIST

(Complete this Section if submitting an entire business emergency/contingency plan whether new or revised)

Please check the following items as a final check on your business plan submission:

Submission Checklist (✓) *considered "inventory" under state disclosure laws

- ☒ *Business Activities Form and *Business Owner/Operator Identification Form
- ☒ *Supplemental Emergency Contact Page
- ☒ Emergency Response Plans and Procedures
- ☒ *Hazardous Materials Inventory Summary Form for the facility listing materials (including wastes) by item number.
- ☒ *One Hazardous Materials Inventory Form for each hazardous material (including wastes) which meet reporting criteria
- ☒ *Material Safety Data Sheets attached to the inventory form of each material not listed in Appendix I.
- ☒ *Facility map (using grid form provided) consisting of all required features including the location of each inventoried item.
- ☒ Site map (using grid form provided) consisting of all required features including surrounding facilities and areas.
- ☒ Area map - photocopied city map with location of site indicated
- ☒ Owner/Operator has signed and dated the plan and all required individual pages of the plan.
- ☒ Submit 2 copies to the Hazardous Materials Division. One is for distribution to the local fire jurisdiction.
- ☒ ***Retain one copy of the business plan at the facility.***

III. UPDATE/CERTIFICATION

(Complete this Section if submitting a partial update or recertifying an existing Plan)

Check the appropriate boxes below and sign the certification statement. Submit 2 copies of all update information.

☒ Please incorporate the following into my business emergency/contingency plan.
- ☒ New Business Owner/Operator Identification Form
- ☒ New Inventory Forms and new Inventory Summary Form (and maps, if affected).
- ☒ New Supplemental Emergency Contact Page.
- ☐ Other:

Brief Explanation of Changes:

☐ There have been no changes to the inventory. In place of submitting the annual inventory, I hereby attest to all of the following:
- The information contained in the inventory most recently submitted to the CUPA is complete, accurate and up to date.
- There has been no change in the quantity, storage, or handling of hazardous materials (including waste) reported in the most recently submitted inventory.
- No hazardous materials (including waste) subject to inventory requirements are being handled that are not listed on the most recently submitted inventory.
- This certification is not being made to meet annual inventory submission requirements of EPCRA. (EPCRA requires complete annual submission)

IV. SIGNATURE

(Complete this Section for all submissions)

Certification - Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and believe the information is true, accurate and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE	DATE 134	NAME OF DOCUMENT PREPARER 135
Daniel W Ross	4/28/00	PAUL LACROIX
NAME OF SIGNER *(print)* 136	TITLE OF SIGNER *(print)* 137	
DANIEL W. ROSS	PLANT MANAGER	

CUPA

San Bernardino County Fire Department

HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT

385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • PHONE: (909)387-4631 FAX: (909) 387-4323

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

ESTABLISHMENT #	[redacted]				8	6	0	0	8	8	7	9	
FACILITY ID #	3	6	[redacted]	0	0	1	[redacted]	0	0	8	8	7	9	1

BUSINESS NAME (Same as FACILITY NAME or DBA) 3

ETIWANDA GENERATING STATION

FACILITY ADDRESS 103: 8996 ETIWANDA AVENUE

CITY: RANCHO CUCAMONGA

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example only)*	*555*	*500*	*Gallons*
1	ACETYLENE	2750	300	CU. FT.
2	AMMONIUM HYDROXIDE	330	55	GALLONS
3	ARGON	6000	300	CU. FT.
4	CARBON DIOXIDE	8000	8000	POUNDS
5	CL-37	60	5	GALLONS
6	CL-5	55	5	GALLONS
7	CORROSION INHIBITOR CS	300	50	POUNDS
8	CR-3 CLEANER / DEGREASER	295	55	GALLONS
9	DIESEL OIL	100	55	GALLONS
10	FYREWASH SB	75	55	GALLONS
11	GASOLINE	250	250	GALLONS
12	HELIUM	1512	300	CU. FT.
13	HYDRAZINE	245	35	GALLONS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of business plan. Make copies of this sheet (or replicate on a computer) as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and II pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
Daniel W. Ross	DANIEL W. ROSS	4-28-00

KB- Inventory of 2-27-03 replaced this inventory

CUPA

San Bernardino County Fire Department

HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT

385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • PHONE: (909)387-4631 FAX: (909) 387-4323

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

ESTABLISHMENT #					8	6	0	0	8	8	7	9	
FACILITY ID #	3	6		0	0	1		0	0	8	8	7	9	1

BUSINESS NAME (Same as FACILITY NAME or DBA) 3

ETIWANDA GENERATING STATION

FACILITY ADDRESS 103: 8996 ETIWANDA AVENUE

CITY: RANCHO CUCAMONGA

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example only)*	*555*	*500*	*Gallons*
14	HYDROGEN	82000	3400	CU. FT.
15	H-450	55	5	GALLONS
16	NITROGEN	67770	67770	CU. FT
17	NITROGEN	37800	300	CU. FT.
18	EPA PROTOCOL MIXTURE (126 PPM NITRIC OXIDE)	2000	300	CU. FT.
19	EPA PROTOCOL MIXTURE (8.43 PPM OXYGEN	3825	300	CU. FT.
20	EPA PROTOCOL MIXTURE (33.2 PPM NITRIC OXIDE)	3825	300	CU. FT.
21	EPA PROTOCOL MIXTURE (21.0 PPM OXYGEN)	3825	300	CU. FT.
22	OXYGEN	2820	300	CU. FT.
23	PCL-361	1650	550	GALLONS
24	PCL-4025A	2000	1000	GALLONS
25	PCLX-180	1500	1500	GALLONS
26	MIXED OIL AND LATEX PAINT	100	5	GALLONS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of business plan. Make copies of this sheet (or replicate on a computer) as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and II pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
Daniel W Ross	DANIEL W. ROSS	4-28-06

CUPA

San Bernardino County Fire Department

HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT

385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • PHONE: (909)387-4631 FAX: (909) 387-4323

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

ESTABLISHMENT # [redacted] 8 6 0 0 8 8 7 9

FACILITY ID # 3 6 [redacted] 0 0 1 [redacted] 0 0 8 8 7 9 [redacted]

BUSINESS NAME (Same as FACILITY NAME or DBA) 3

ETIWANDA GENERATING STATION

FACILITY ADDRESS 103: 8996 ETIWANDA AVENUE

CITY: RANCHO CUCAMONGA

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example only)*	*555*	*500*	*Gallons*
27	POTASSIUM NITRITE	700	50	POUNDS
28	POTASSIUM TETRABORATE	1600	50	POUNDS
29	PROPANE	25	10	GALLONS
30	SODIUM CARBONATE	2000	50	POUNDS
31	SODIUM HYDROXIDE	200	100	POUNDS
32	SODIUM HYPOCHLORITE	6300	2100	GALLONS
33	MONOSODIUM PHOSPHATE	1000	550	POUNDS
34	DISODIUM PHOSPHATE	800	50	POUNDS
35	TRISODIUM PHOSPHATE	800	50	POUNDS
36	SULFURIC ACID	24250	10000	GALLONS
37	AUTOMATIC TRANSMISSION FLUID	300	55	GALLONS
38	TURBINE OIL	54000	15000	GALLONS
39	UREA SOLUTION	32600	16300	GALLONS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of business plan. Make copies of this sheet (or replicate on a computer) as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and II pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER *(print)* 138	DATE 134
Daniel W. Ross	DANIEL W. ROSS	7-26-00

CUPA

San Bernardino County Fire Department

HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT

385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • PHONE: (909)387-4631 FAX: (909) 387-4323

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

ESTABLISHMENT #					8	6	0	0	8	8	7	9		
FACILITY ID #	3	6		0	0	1		0	0	8	8	7	9	

BUSINESS NAME (Same as FACILITY NAME or DBA) 3

ETIWANDA GENERATING STATION

FACILITY ADDRESS 103: 8996 ETIWANDA AVENUE

CITY: RANCHO CUCAMONGA

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example only)*	*555*	*500*	*Gallons*
40	MIXED GASES (NITROGEN)	4000	300	CU. FT.
41	MIXED GASES (METHANE/NITROGEN)	4000	300	CU. FT.
42	MIXED GASES (HYDROGEN/CARBON MONOXIDE/NITROGEN)	4000	300	CU. FT.
	HAZARDOUS WASTES SUMMARY			
43	ASBESTOS DEBRIS	25000	10000	POUNDS
44	BLASTING GRIT / DUCT SWEEP	1500	550	POUNDS
45	COOLING TOWER SLUDGE	30000	30000	POUNDS
46	COOLING TOWER WOOD	12000	12000	POUNDS
47	GREASE / FUEL OIL / TAR	55	55	GALLONS
48	MERCURY CONTAMINATED DEBRIS	50	50	POUNDS
49	MERCURY	50	50	POUNDS
50	OIL / DEBRIS / SOIL	600	300	POUNDS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of business plan. Make copies of this sheet (or replicate on a computer) as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and II pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 136	DATE 134
Daniel W. Ross	DANIEL W. ROSS	7-26-00

CUPA
San Bernardino County Fire Department
HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT
385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • PHONE: (909)387-4631 FAX: (909) 387-4323

INVENTORY SUMMARY FORM (REQUIRED)

I. FACILITY IDENTIFICATION

ESTABLISHMENT #	[redacted]				8	6	0	0	8	8	7	9	
FACILITY ID #	3	6	[redacted]	0	0	1	[redacted]	0	0	8	8	7	9

BUSINESS NAME (Same as FACILITY NAME or DBA) 3
ETIWANDA GENERATING STATION

FACILITY ADDRESS 103
8996 ETIWANDA AVENUE

CITY
RANCHO CUCAMONGA

II. INVENTORY SUMMARY

Item #	Name of Hazardous Material or Waste	Maximum Quantity	Size of Largest Container	Unit of Measure
3.	*Lubricating Oil (Example only)*	*555*	*500*	*Gallons*
51	OIL / WATER SEPARATOR SLUDGE	2500	5000	GALLONS
52	OIL WITH SOLVENT	110	55	GALLONS
53	PAINT CHIPS / DEBRIS WITH LEAD	300	300	POUNDS
54	PAINT SOLIDS / SLUDGE	55	55	GALLONS
55	PCB OIL / DEBRIS (>2<50 PPM)	55	55	GALLONS
56	PCB OIL / DEBRIS (>50<4999 PPM)	55	55	GALLONS

Summarize the business plan inventory on this page. Place this summary in front of inventory section of business plan. Make copies of this sheet (or replicate on a computer) as necessary. Reminder: You need not report hazardous materials with a maximum quantity of less than 55 gallons, 500 pounds, or 200 cubic feet. However, hazardous wastes, Category 1 and II pesticides, and explosives are reportable at any quantity.

III. SIGNATURE- EPCRA Facilities: Also sign the bottom of each individual attached inventory form.

SIGNATURE OF OWNER/OPERATOR	NAME OF SIGNER (*print*) 138	DATE 134
Daniel W. Ross	DANIEL W. ROSS	7-26-00

CUPA
San Bernardino County Fire Department
HAZARDOUS MATERIALS DIVISION • EMERGENCY RESPONSE AND ENFORCEMENT
385 N. Arrowhead Ave , 2nd Floor, San Bernardino, CA 92415-0153 • PHONE: (909)387-4631 FAX: (909) 387-4323

BUSINESS EMERGENCY/CONTINGENCY PLAN COVER SHEET

I. IDENTIFICATION

For Dept Use Only – Log In/Date Stamp

ESTABLISHMENT # 8600888779

FACILITY ID # 360018879

BUSINESS NAME (Same as FACILITY NAME or DBA): Etiwanda Generating Station

BUSINESS SITE ADDRESS: 8996 Etiwanda AVE. CITY: Rancho Cucamonga ZIPCODE: 91739

II. SUBMISSION CHECKLIST

(Complete this Section if submitting an entire business emergency/contingency plan whether new or revised)

Please check the following items as a final check on your business plan submission:

Submission Checklist (✓) *considered "inventory" under state disclosure laws

- ☐ *Business Activities Form and *Business Owner/Operator Identification Form
- ☐ *Supplemental Emergency Contact Page
- ☐ Emergency Response Plans and Procedures
- ☐ *Hazardous Materials Inventory Summary Form for the facility listing materials (including wastes) by item number.
- ☐ *One Hazardous Materials Inventory Form for each hazardous material (including wastes) which meet reporting criteria
- ☐ *Material Safety Data Sheets attached to the inventory form of each material not listed in Appendix I.
- ☐ *Facility map (using grid form provided) consisting of all required features including the location of each inventoried item.
- ☐ Site map (using grid form provided) consisting of all required features including surrounding facilities and areas.
- ☐ Area map - photocopied city map with location of site indicated
- ☐ Owner/Operator has signed and dated the plan and all required individual pages of the plan.
- ☐ Submit 2 copies to the Hazardous Materials Division. One is for distribution to the local fire jurisdiction.
- ☐ ***Retain one copy of the business plan at the facility.***

III. UPDATE/CERTIFICATION

(Complete this Section if submitting a partial update or recertifying an existing Plan)

Check the appropriate boxes below and sign the certification statement. Submit 2 copies of all update information.

- ☐ Please incorporate the following into my business emergency/contingency plan.
  - ☐ New Business Owner/Operator Identification Form
  - ☐ New Inventory Forms and new Inventory Summary Form (and maps, if affected).
  - ☒ New Supplemental Emergency Contact Page.
  - ☐ Other:

Brief Explanation of Changes: Droping two names. We will be submitting new plan in the new format before end of April.

☒ There have been no changes to the inventory. In place of submitting the annual inventory, I hereby attest to all of the following:

- The information contained in the inventory most recently submitted to the CUPA is complete, accurate and up to date.
- There has been no change in the quantity, storage, or handling of hazardous materials (including waste) reported in the most recently submitted inventory.
- No hazardous materials (including waste) subject to inventory requirements are being handled that are not listed on the most recently submitted inventory.
- This certification is not being made to meet annual inventory submission requirements of EPCRA. (EPCRA requires complete annual submission)

IV. SIGNATURE

(Complete this Section for all submissions)

Certification - Based on my inquiry of those individuals responsible for obtaining the information, I certify under penalty of law that I have personally examined and am familiar with the information submitted on this document and believe the information is true, accurate and complete.

SIGNATURE OF OWNER/OPERATOR OR DESIGNATED REPRESENTATIVE	DATE 134	NAME OF DOCUMENT PREPARER 135
Paul Lacroix	3-3-2000	Paul Lacroix
NAME OF SIGNER (print) 136: Paul Lacroix		TITLE OF SIGNER (print) 137: Safety & Environmental Specialist III

COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO

HAZARDOUS MATERIALS DIVISION
EMERGENCY RESPONSE/ENFORCEMENT
385 North Arrowhead Avenue, Second Floor • San Bernardino, CA 92415-0153
(909) 387-4631 • Fax (909) 387-4323

PETER R. HILLS
Fire Chief
County Fire Warden

4 August 1999

Etiwanda Generating Station
8996 Etiwanda Avenue
Rancho Cucamonga, CA 91739

The Hazardous Materials Division has determined that the Business Plan of 5-28-99 **Etiwanda Generating Station at 8996 Etiwanda Avenue (as amended)** meets the requirements mandated in the State Health and Safety Code, Chapter 6.95. The entire contents of this approved Business Plan, with the exception of "Trade Secrets" and portions of the plan specifying the precise location where hazardous materials are stored and handled on site including the maps, will be available for public inspection.

Within 30 days of any of the following events, this business must submit to this office an amendment to the inventory form detailing the handling and the following appropriate information.

1. A 100 percent or more increase in quantity of a previously disclosed material.
2. Any handling of a previously undisclosed hazardous material subject to the inventory requirements of this chapter.
3. Change of business address.
4. Change of business ownership.
5. Change of business name.

A copy of this Business Plan has been sent to the local enforcement agency and/or fire jurisdiction.

Kristen Riegel

KRISTEN RIEGEL, MPH, REHS
BUSINESS PLAN PROGRAM
(909) 387-4631

KR/sn
bpapprv.ltr

COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO

HAZARDOUS MATERIALS DIVISION
EMERGENCY RESPONSE/ENFORCEMENT
385 North Arrowhead Avenue, Second Floor • San Bernardino, CA 92415-0153
(909) 387-4631 • Fax (909) 387-4323

PETER R. HILLS
Fire Chief
County Fire Warden

12 July 1999

Etiwanda Generating Station
8996 Etiwanda Avenue
Rancho Cucamonga, CA 91739

SUBJECT: BUSINESS CONDITIONAL APPROVAL

FACILITY: 8996 Etiwanda Avenue, Rancho Cucamonga

The Hazardous Materials Division has reviewed the Business Plan submitted for the above subject facility. Please be advised that not all of the elements required in the Business Plan have been completed, however, basic information about the facility, hazardous materials inventory and storage locations are acceptable. Therefore, this Business Plan is conditionally approved and has been forwarded to the local police and/or fire jurisdiction for emergency response purposes.

- Inventory – the following discrepancies have been noted. Please correct the following errors:
  1. Item # 11 Gasoline – Inventory Summary lists 550 gallons, yet the Individual Inventory Form lists 250 gallons.
  2. Item # 16 Kerosene Jet Fuel – Inventory Summary lists 882,000 gallons, yet the Individual Inventory Form lists 0 gallons.
- An additional copy of the Business Plan is requested at this time. The second copy will be forwarded to the Rancho Cucamonga Fire Department.

To receive final approval, please submit this letter and the following information within 30 days. Thank you for your prompt attention to this very important matter. If you have further questions, please call at (909) 387-4631.

Kristen Riegel

KRISTEN RIEGEL, MPH, REHS
BUSINESS PLAN PROGRAM

KR/sn

WILLIAM H. RANDOLPH
County Administrative Officer

Board of Supervisors
KATHY A. DAVIS ..... First District
JON D. MIKELS ..... Second District
JERRY EAVES ..... Fifth District
DENNIS HANSBERGER ..... Third District
FRED AGUIAR ..... Fourth District

THIS FORM MUST BE SUBMISS[illegible] WITH YOUR BUSINESS EMERGENCY [illegible]ONTINGENCY PLAN.

BUSINESS NAME: **MOUNTAIN VISTA POWER GENERATION**

BUSINESS ADDRESS: **8996 ETIWANDA AVE., RANCHO CUCAMONGA, CA. 91739**

I DECLARE UNDER PENALTY OF LAW THAT I HAVE REVIEWED THIS BUSINESS EMERGENCY / CONTINGENCY PLAN AND UNDERSTAND MY RESPONSIBILITIES; AND THAT THE INFORMATION PROVIDED IN THIS AND ALL ATTACHED DOCUMENT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

Daniel W. Ross — SIGNATURE OF OWNER / OPERATOR

5-12-98 — DATE

DANIEL W. ROSS — PRINT NAME OF OWNER / OPERATOR

FACILITY REPRESENTATIVE — TITLE

BP of 5.28.99 replaces this Plan VR

BUSINESS PLAN PREPARED BY: PAUL E. LACROIX
(Please print)

TITLE: ENVIRONMENTAL COMPLIANCE SPECIALIST III

A COPY OF THIS PLAN SHALL BE RETAINED AT YOUR BUSINESS

You must also maintain current material safety data sheets (MSDSs) for all materials at the facility.

Please give the name and business phone number of a person to whom questions regarding MSDSs may be addressed:

LOUIS A. LEE — NAME:

(909) 899 - 7213 — Business Phone

ALSO

PAUL E. LACROIX — NAME:

(909) 899 - 7253 — Business Phone

DATE PREPARED: April 1998

CUPA

San Bernardino County Fire Department

HAZARDOUS MATERIALS DIVISION • FIELD SERVICES/ENVIRONMENTAL PROTECTION

385 N. Arrowhead Ave., 2nd Floor, San Bernardino, CA 92415-0153 • (909) 387-3080 FAX (909) 387-4323

YEAR 2000 HAZARDOUS MATERIALS BUSINESS INSPECTION QUESTIONNAIRE

Contact Information

BUSINESS NAME	ESTABLISHMENT NUMBER	CONTACT PERSON
Etiwanda Generating Station	86008879	Paul Lacroix

ADDRESS (Number and Street)	MAILING ADDRESS (If Different from Address)
8996 Etiwanda AVE.	N/A

CITY	COUNTY	STATE
Rancho Cucamonga	San Bernardino	Calif.

TELEPHONE NUMBER	FAX NUMBER	E-MAIL ADDRESS
909-899-7253	909-899-7222	lacroipe@sce

SIC CODE	NAICS CODE	BUSINESS TYPE
4911		Steam Electric Generation

Business Inspection Questionnaire *(Please mail or fax this form to the address or fax number at the top of this page.)*

1. Are all essential business systems that have computer elements that could influence chemical loss Y2K compliant?
   ☒ Yes (go to Question 3) No Chemical Controled Operation or equipment by computer elements ☐ No (go to Question 2)
2. If NOT, what percentage of the essential business systems are Y2K compliant?
   ☐ Less than 5% ☐ 5% to 10% ☐ 11% to 25% ☐ 26% to 50%
   ☐ 51% to 75% ☐ Over 75% ☐ 100%
3. Has the business established a Y2K action plan?
   ☒ Yes ☐ No
4. At what projected date will all business systems be Y2K compliant?
   ☐ January 1, 1999 ☐ July 1, 1999 ☒ January 1, 2000 ☐ After January 1, 2000
5. Has the business identified all "smart instruments" containing embedded chip systems?
   ☒ Yes ☐ No
6. Has the business received assurances from all essential suppliers that essential computer elements are Y2K compliant?
   ☒ Yes ☐ No
7. Is the business currently assisting, or planning to assist essential suppliers with Y2K compliant preparation?
   ☒ Yes ☐ No
8. Has the business developed a Y2K technical contingency plan to ensure the prevention of accidental releases of hazardous materials?
   ☒ Yes N/A ☐ No
9. Has the business prepared a Y2K contingency in any of the following categories?
   ☒ Suppliers ☒ Technical ☒ Employee ☒ Increased staffing to handle Y2K related problems
   ☒ Business Process ☒ Community
10. Has the business involved [redacted] government in Y2K contingency planning efforts?
    ☒ Yes ☐ No
11. Could electrical power loss cause a fire, explosion or unplanned release of chemical?
    ☐ Yes ☒ No
12. Would electric, power or telecommunication loss prevent the business from contacting emergency responders?
    ☒ Yes ☐ No

COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO

HAZARDOUS MATERIALS DIVISION
EMERGENCY RESPONSE/ENFORCEMENT
385 North Arrowhead Avenue, Second Floor • San Bernardino, CA 92415-0153
(909) 387-4631 • Fax (909) 387-4323

PETER R. HILLS
Fire Chief
County Fire Warden

NOVEMBER 5, 1998

MT. VISTA POWER GENRATION, LLC
8996 ETIWANDA AVENUE
ETIWANDA, CA 91739

The Hazardous Materials Division has determined that the Business Plan of
8996 ETIWANDA AVENUE, ETIWANDA (as amended)
(as submitted)
meets the requirements mandated in the State Health and Safety Code, Chapter 6.95. The entire contents of this approved Business Plan, with the exception of "Trade Secrets" and portions of the plan specifying the precise location where hazardous materials are stored and handled on site including the maps, will be available for public inspection.

Within 30 days of any of the following events, this business must submit to this office an amendment to the inventory form detailing the handling and the following appropriate information.

1. A 100 percent or more increase in quantity of a previously disclosed material.
2. Any handling of a previously undisclosed hazardous material subject to the inventory requirements of this chapter.
3. Change of business address.
4. Change of business ownership.
5. Change of business name.

A copy of this Business Plan has been sent to the local enforcement agency and/or fire jurisdiction.

Kristen Riegel for

KATHLEEN M. ALVAREZ, REHS
Business Plan Coordinator
(909) 387-3080

KA/sn

Board of Supervisors
KATHY A. DAVIS ..... First District
JON D. MIKELS ..... Second District
DENNIS HANSBERGER ..... Third District
LARRY WALKER ..... Fourth District
JERRY EAVES ..... Fifth District

COUNTY FIRE DEPARTMENT

HAZARDOUS MATERIALS DIVISION
385 North Arrowhead Avenue, Second Floor • San Bernardino, CA 92415-0153

COUNTY OF SAN BERNARDINO

RICHARD W. SEWELL
Fire Chief
County Fire Warden

February 10, 1997

Geraghty & Miller, Inc.
100 N. Barranca Ave., Suite 500
West Covina, CA 91791

ATTENTION: Tim Granzeier
Engineer

SUBJECT: REQUEST FOR RECORDS INFORMATION

Southern California Edison Etiwanda Generating Station
8996 Etiwanda Ave., Rancho Cucamongas

Southern California Edison Highgrove Generating Station
12700 Taylor St., Colton

Southern California Edison San Bernardino Generating Station
25770 San Bernardino Ave., San Bernardino

This is to confirm that the San Bernardino County Hazardous Materials Division has located records pertaining to the subject sites as described in your request to inspect records. Attached is a list of all records found and provided during your file review appointment today.

No other records were found regarding the subject site(s). Files searched include permitted facilities (hazardous waste generators, hazardous materials handlers, underground storage tanks, and medical waste generators), formerly permitted facilities (inactive and/or out of business), underground storage tank removals, records pertaining to illicit dumping and releases, non-permitted facilities, and non-facility emergency response incidents, and a cursory search of state and federal databases.

Please be advised that additional hourly research charges are applicable for this review at a rate of $52.00 per hour. A summary of charges is attached.

Sincerely,

ELIZABETH A. PARMENTER
Environmental Technician III
Site Remediation/Local Oversight Program
(909) 387-3041 (909) 387-4323 FAX

9701091.ral
9701092.ral
9701093.ral

MAILING 1/3 $15.00

PUT

COUNTY OF SAN BERNARDINO
HAZARDOUS MATERIALS DIVISION
385 N. Arrowhead Ave, San Bernardino, CA 92415-0180
Telephone (909) 387-3041 Fax (909) 387-4323

Ref # 970109-1
Amt Pd
Date

1R 1/23

2 Pages

REQUEST FOR RESEARCH AND REVIEW OF RECORDS

F- SCE Etiwanda
HWELL 8600 & 879
P
H
T
S
L

FILE/RECORD REQUESTED:

FACILITY AND/OR OWNER NAME: SOUTHERN CALIFORNIA EDISON- ETIWANDA GENERATING STATION

SITUS ADDRESS: 8996 (Street #) ETIWANDA AVENUE (Street Name)

CITY/TOWN: RANCHO CUCAMONGA *(Etiwanda)

Note: Records are searched by site. A search cannot be performed without a situs address. If no situs address exists, an attempt will be made to search records using other location identifiers, such as an address range within a block, street corner, or Assessor's Parcel Numbers and/or legal descriptions. Be advised that your request may take longer if no situs address is provided.

REQUESTED BY:

Individual Name	TIM GRANZEIER
Title	ENGINEER
Company Name	GERAGHTY & MILLER, INC.
Mailing Address	100 NORTH BARRANCA AVENUE, SUITE 500
City, State, Zip	WEST COVINA, CALIFORNIA 91791
Telephone	(818) 332-8010 Fax (818) 331-1224

PURPOSE *(check the box most closely related to your interest in site)*:

- [X] Environmental consultant or engineer performing Phase I site assessment or due diligence at or near site
- [ ] Environmental consultant or engineer involved with remediation at or near the site
- [ ] Owner or operator of the above facility or property.
- [ ] Other: _____
- [ ] General interest/Community awareness
- [ ] Potential buyer
- [ ] Real Estate Agent, Lender, Appraiser
- [ ] Legal reasons
- [ ] Market development

I have read the Procedures for Requesting Research and Review of Records. I understand that I must remit the initial fee of $52.00 per site record requested and agree to reimburse the Department at a rate of $52.00 per hour for any record request requiring extended research. I will be notified in writing or by telephone to schedule an appointment if records are available. I may select a maximum of 20 pages to be copied for me at the time the records are examined, and I will be charged an additional amount of 25 cents per page. If I select more than 20 pages to be copied at any one visit, I will contact a private copy service or bring my own copier.

Signature Jeffrey Ritchey for Tim Granzeier Date 1/9/97

IMPORTANT: This application must be accompanied by the initial fee of $52.00. If you are transmitting this application via fax, submit the fee with the original application form to the Hazardous Materials Division as soon as possible, and indicate your intent to do so on the fax. Requests received without payment WILL NOT BE PROCESSED.

H - Hazardous Materials Handler Permit G = Hazardous Waste Generator Permit
U = Underground Storage Tank Permit

All Files Active Unless Specified "Inactive"

SCE ETIWANDA GENERATING STATION
8996 ETIWANDA AVE.
RANCHO CUCAMONGA
86008879
H/G/U

Ameron Steel and Wire
12459 Arrow Ave.
Etiwanda
IN901164
Inactive U

Industrial Wire and Pipe Division, Inc.
12459 Arrow
Etiwanda
90020821
H/G

Tamco
12459 Arrow
Etiwanda
86008874
H/G/U

United Slag Processing
12459 Arrow
Etiwanda
94032147
H/G

Ameron Pipe
12455 Arrow
Etiwanda
86008873
H/G/U

Ferromet, Inc.
8822 Etiwanda Ave.
Etiwanda
86008878
H/G

Bernell Hydraulic
8810 Etiwanda Ave.
Rancho Cucamonga
85004401
H/G

Precision Hydraulics
8810 Etiwanda Ave.
Rancho Cucamonga
Inactive
H/G

Air Liquide America
12550 Arrow
Rancho Cucamonga
86008875
H/G

Air Liquide America SLS
93030568
H

National Can
8393 Etiwanda -- No Record

Similar addresses found:

CHB Foods Inc Metal Deco
8939 Etiwanda
Etiwanda
Inactive
IN861169
U

Sterling Can (Same as CHB Above?)
8939 Etiwanda
Rancho Cucamonga
Inactive
H/U

THIS FORM M[illegible] BE COMPLETED PRIOR TO SUBMIS[illegible] OF YOUR BUSINESS EMERGENCY / CONTINGENCY PLAN.

BUSINESS NAME: *SOUTHERN CALIFORNIA EDISON COMPANY*

BUSINESS ADDRESS: *8996 ETIWANDA AVENUE*
ETIWANDA, CA 91739

I DECLARE UNDER PENALTY OF LAW THAT I HAVE REVIEWED THIS BUSINESS EMERGENCY / CONTINGENCY PLAN AND UNDERSTAND MY RESPONSIBILITIES; AND THAT THE INFORMATION PROVIDED IN THIS AND ALL ATTACHED DOCUMENT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

SIGNATURE OF OWNER / OPERATOR: DJ Cobb DATE: 12.10.97

PRINT NAME OF OWNER / OPERATOR: *Dan Cobb* TITLE: *STATION MANAGER*

BUSINESS PLAN PREPARED BY:
(Please print)

PAUL LACROIX

ENVIRONMENTAL COMPLIANCE SPECIALIST

A COPY OF THIS PLAN SHALL BE RETAINED AT YOUR BUSINESS

You must also maintain current material safety data sheets (MSDSs) for all materials at the facility.

Please give the name and business phone number of a person to whom questions regarding MSDSs may be addressed:

Name: Don Lesondak Business Phone: (909) 899-7247

COUNTY FIRE DEPARTMENT

HAZARDOUS MATERIALS DIVISION
385 North Arrowhead Avenue, Second Floor • San Bernardino, CA 92415-0153

COUNTY OF SAN BERNARDINO

RICHARD W. SEWELL
Fire Chief
County Fire Warden

September 20, 1996

Thomas Gross
Southern California Edison
Environmental Affairs
PO Box 800, Rm. 405
Rosemead, CA 91770-3417

SUBJECT: BUSINESS EMERGENCY/CONTINGENCY PLANS

The Hazardous Materials Division has determined that the Business Plans of :

A. San Bernardino Generating Station, 25770 San Bernardino Ave., San Bernardino\
B. Highgrove Generating Station, 12700 Taylor St., Colton
C. Etiwanda Generating Station, 8996 Etiwanda Ave., Etiwanda
D. Coolwater Generating Station, 36938 East Sante Fe St., Daggett
E. Solar Two Project, 37110 East Sante Fe St., Daggett

meet the requirements mandated in the State Health and Safety Code, Chapter 6.95. The entire contents of the approved Business Plan, with the exception of "Trade Secrets" and portions of the plan specifying the precise location where hazardous materials are stored and handled on site including the maps, will be available for public inspection.

Within 30 days of any of the following events, this business must submit to this office an amendment to the inventory form detailing the handling and the following appropriate information.

1. A 100 percent or more increase in quantity of a previously disclosed material.
2. Any handling of a previously undisclosed hazardous material subject to the inventory requirements of this chapter.
3. Change of business address.
4. Change of business ownership.
5. Change of business name.

A copy of this Business Plan has been sent to the local enforcement agency and/or fire jurisdiction.

JACQUELYN ADAMS, R.E.H.S.
Business Plan Coordinator

JAMES J. HLAWEK
County Administrative Officer

Board of Supervisors
MARSHA TUROCI . . . . . First District
JON D. MIKELS . . . . . Second District
JERRY EAVES . . . . . Fifth District
BARBARA CRAM RIORDAN . . . Third District
LARRY WALKER . . . . . Fourth District

SOUTHERN CALIFORNIA
EDISON
An *EDISON INTERNATIONAL* Company

September 11, 1996

COUNTY FIRE
HAZARDOUS MATERIALS
96 SEP 13 PM 1:13

Marilyn Kraft
Hazardous Materials Division
County Fire Department
County of San Bernardino
385 North Arrowhead Avenue
San Bernardino, CA 91770-3417

Dear Ms. Kraft:

SUBJECT: Business Plan and Process Safety Information

The following information is in response to your letter of August 12, 1996 concerning Business Plan compliance at the five generating stations operated by Southern California Edison (SCE) in San Bernardino County.

I. Business Plan Compliance

A. San Bernardino Generating Station
25770 San Bernardino Avenue
San Bernardino, CA

Updates to the business plan were filed on September 10, 1996 which included site and area maps. Also filed at that time were inventory summary sheets for the facility. As discussed at our meeting on August 30, 1996, the facility had a large storage tank for sulfuric acid which is no longer in use. While the station does use sulfuric acid, no more than 15 gallons of sulfuric acid is stored on site at any time. These locations are indicated on the business plan map. Hydrazine (35% solution) is stored in amounts not to exceed 35 gallons. Since we are under the Threshold Planning Quantities, the AHM registration form and the RMPP data request are not applicable.

B. Highgrove Generating Station
12700 Taylor Street
Colton, CA

The business plans have been updated and were submitted to your office on August 28, 1996. A review by Jacquelyn Adams of San Bernardino County Hazardous Materials Division revealed additional items to be corrected. Those

P. O. Box 800
2244 Walnut Grove Ave.
Rosemead, CA 91770

corrections were submitted on September 10, 1996. This included submittal of the inventory summary sheet.

Also, the issue concerning the use of sulfuric acid was clarified. The station has removed the large storage tank. The station does use sulfuric acid but stores no more than 60 gallons on site at any time. Hydrazine is not used at this facility. Since we are under the Threshold Planning Quantities, the AHM registration form and the RMPP data request are not applicable.

C. Etiwanda Generating Station
8996 Etiwanda Avenue
Etiwanda, CA

Inventory updates and inventory summary sheets have been submitted to your office. RMPP information will be completed by October 25, 1996.

D. Coolwater Generating Station
36938 East Sante Fe Street
Daggett, CA

1. A new AHM Registration form has been submitted. The RMPP data request will be submitted no later than October 25, 1996.

2. Ammonia is still handled at Coolwater Generating Station. This issue has been clarified and the business plan and related material form reflect the usage of the material.

3. Page 2 of the business plan has been revised to accurately reflect the quantities of sulfuric acid and hydrazine. Sulfuric acid is stored in amounts up to 60,000 gallons. No more than 900 gallons of hydrazine (35%) is stored at the facility at any time.

4. The statement concerning the appropriate time to make notification to governing agencies has been corrected to reflect the language found in the California Health and Safety Code section 25507. The telephone numbers have been corrected and the pages which reflect those changes were submitted to your office on September 10, 1996.

E. Solar Two Project
37110 East Santa Fe Street
Daggett, CA

1. The county will invoice SCE for the permit. Waste disclosure forms have been submitted for the facility. The business plans have been changed to reflect the hazardous waste management activities. These changes were submitted on September 10, 1996.

2. The hydroquinone has been removed from the facility and will not be used. If operating conditions change requiring renewed use of hydroquinone, proper revisions will be made to the business plan and the AHM registration.

3. Southern California Edison currently owns the contiguous land on which the Coolwater Generating Station, Solar Two Facility and the Coolwater Coal Gasification Program Facility are located. Coolwater Generating Station is owned and operated by SCE. Solar one was in effect replaced by Solar Two and no longer exists. SCE is the operator of the facility and is responsible for all regulatory compliance.

In 1990, Texaco proposed the Texaco Coolwater Project which contemplated purchase of the facility in order to combine sewage sludge with coal to produce energy. The California Energy Commission never endorsed Texaco's project. Consequently in 1993, Texaco withdrew its application to recover costs to conduct a demonstration project from the California Public Utilities Commission and terminated its option to buy the facility from SCE in 1994.

At this point SCE still owns and controls the equipment at the facility. SCE has provided Texaco with a no cost option to dismantle, and remove the gasification equipment from the facility. All of the chemicals, feedstocks, and residues associated with the plant have been removed. It is anticipated all of the equipment for the facility will be removed before December, 1997.

II. Risk Management and Prevention Program requirements for Solar Two

SCE is in the process of preparing the RMPP Data Request for Solar Two and we will make a determination based on the collection of that data concerning the development of the RMPP or the request for exemption. This will be completed no later than October 25, 1996.

III. Other Process Safety Management Requirements

SCE has reviewed the OSHA Process Safety Management and the USEPA Accidental Release Prevention and Risk Management Program and the relevant activities at our facilities. At this point we do not have AHM's at or above the threshold quantities (TQ). We do have Aqueous Ammonia (28%) below the TQ at Etiwanda. We also have Nitric Oxide at all of the listed facilities, but well below the TQ. This is based on information supplied to us by Air Products that each bottle of nitric oxide contains .0043 pounds of the gas. We conclude, therefore, that SCE is not subject to these requirements. As discussed in our meeting on September 10, 1996, Edison will submit all outstanding RMPP data request forms on October 25, 1996.

Thank you for your assistance in resolving this matter. We will be looking at how the RMPP program will be affected by the passage of SB 1889 and anticipate working closely with your office as these changes develop. If you have additional questions, please contact me at 818-302-9545.

Sincerely,

Thomas Gross
Environmental Specialist

THIS FORM MUST BE COMPLETED PRIOR TO SUBMISSION OF YOUR BUSINESS EMERGENCY / CONTINGENCY PLAN.

BUSINESS NAME: *SOUTHERN CALIFORNIA EDISON COMPANY*

BUSINESS ADDRESS: *8996 ETIWANDA AVENUE*
ETIWANDA, CA 91739

I DECLARE UNDER PENALTY OF LAW THAT I HAVE REVIEWED THIS BUSINESS EMERGENCY / CONTINGENCY PLAN AND UNDERSTAND MY RESPONSIBILITIES; AND THAT THE INFORMATION PROVIDED IN THIS AND ALL ATTACHED DOCUMENT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

SIGNATURE OF OWNER / OPERATOR: _____ DATE: Aug. 28, 1996

PRINT NAME OF OWNER / OPERATOR: RONALD W. HULL TITLE: *STATION MANAGER*

BUSINESS PLAN PREPARED BY:
(Please print)

PAUL LACROIX

ENVIRONMENTAL COMPLIANCE SPECIALIST

A COPY OF THIS PLAN SHALL BE RETAINED AT YOUR BUSINESS

You must also maintain current material safety data sheets (MSDSs) for all materials at the facility.

Please give the name and business phone number of a person to whom questions regarding MSDSs may be addressed:

Name: Dee Avila Business Phone: (909) 899-7247

BUSINESS PLAN UPDATE FORM

Department of Environmental Health Services
385 N. Arrowhead Ave.
San Bernardino, CA 92415-0160

Attn: Business Plan Coordinator

FACILITY NAME: Etiwanda Generating Station

ADDRESS: 8996 Etiwanda AVE.
Etiwanda, Calif. 91739

CONTACT PERSON: Paul Lacroix PHONE NUMBER: (909) 899-7253

Annual Inventory Update (due every year by January 1)
☒ No significant changes in inventory have occurred since the last business plan or inventory was submitted.

[ ] New inventory forms are attached.
[ ] Replace previous inventory with attached inventory.
[ ] Replace only designated pages of inventory.

Special instructions: _____

_____

Biennial Review and Recertification (due January 1 of even-numbered years)
[ ] I certify that the business plan has been reviewed and the information contained in the business plan is accurate and complete as of this date.

Other Updates
☒ Please incorporate the following information into the business plan for this facility:

New Inventory Summary Sheets (3)

_____

I declare, under penalty of perjury, that the information provided herein is true and correct to the best of my knowledge.

Signature: Paul Lacroix Date 8-28-96

Printed Name: Paul Lacroix

Note: DEHS provides this information to local police and fire jurisdictions. Please provide <u>three</u> copies of all update information if your business is in Barstow, Big Bear Lake, Chino, Colton, Fontana, or Rancho Cucamonga. If your business is in another city or an unincorporated area, please submit <u>two</u> copies only.

Questions? Call DEHS at (909) 387-4677 or (909) 387-3044.

Dennis Buschak - Etiwanda

Etiwanda

COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO

HAZARDOUS MATERIALS DIVISION
385 North Arrowhead Avenue, Second Floor • San Bernardino, CA 92415-0153

RICHARD W. SEWELL
Fire Chief
County Fire Warden

August 12, 1996

Eva Sung
Southern California Edison (SCE)
Environmental Affairs
PO Box 800, Rm. 405
Rosemead, CA 91770-3417

SUBJECT: BUSINESS PLAN AND PROCESS SAFETY INFORMATION

In response to our recent phone conversations and developments at Solar Two, following is information relating to:

I. Business plan compliance at five SCE generating facilities.
II. Risk management and prevention program (RMPP) requirements for Solar Two.
III. Other process safety management requirements that should be considered with the RMPP

I. Business Plan Compliance

Each of the generating stations has different problems with respect to complying with the business plan requirements of Chapter 6.95 of the California Health and Safety Code. Several of these problems have been brought to the attention of SCE and yet this office has received no response. In order to avoid further enforcement action, the information requested in this letter must be provided as soon as possible, no later than **September 12, 1996.**

Some of the disclosure questions are also clouding the issues regarding the handling of specific hazardous materials which subject the facilities to the California risk management and prevention program (RMPP) and possibly other federal process safety management requirements. SCE has previously been notified that some of its facilities may be required to prepare a risk management and prevention program (RMPP) due to the handling of acutely hazardous materials (AHMs). It is now necessary for SCE to begin to address its process safety requirements and the first step is dependent on accurate and thorough disclosure in the business emergency plan.

Facilities which handle hazardous materials are required to file an update to the inventory of the business plan by March 1 of every year. Every two years (we've designated the even-numbered years), the facility must recertify the entire business plan including training, procedures, descriptive sections. For facilities which handle acutely hazardous material, changes in handling of acutely hazardous materials require a new acutely hazardous material (AHM) registration form. Facilities handling AHMs also submit a RMPP data request which provides additional information for screening facilities with respect to the requirement for a RMPP. Enclosed are the current package of guidelines and forms for completing a business emergency/ contingency plan, the AHM registration form, and the RMPP data request.

SCE - San Bernardino Generating Station
25770 San Bernardino Ave, San Bernardino
Last business plan update: 8/4/94. Prepared by Nam H. Le, Engineer.

The map of hazardous material storage locations indicates presence of sulfuric acid. The inventory, however, does not include sulfuric acid. Also, page 2 of the business plan seems to indicate that aqueous hydrazine is the only acutely hazardous material handled at the facility. An August 18, 1994 Division response to Nam H. Le (enclosed) requested an AHM registration form, the data request for the RMPP, a site and area map, and an inventory form for sulfuric acid (if it was still handled). We have received no response to this request. The business plan was not updated in 1995 or 1996.

File an update to the business plan to include a site and area map. Include an inventory summary sheet. If sulfuric acid is not handled at the facility, submit a new hazardous material storage location map. If sulfuric acid is still handled at the facility, submit an inventory form disclosing sulfuric, the AHM registration form, and a data request for the RMPP program.

SCE Highgrove Generating Station
12700 Taylor Street, Colton
Last business plan update received 8/4/94. Prepared by Nam H. Le, Engineer

The Business Plan has discrepancies between what is on the map, what was disclosed on inventory forms, and statements on page 2. Page 2 states that no AHMs are handled by the facility and none were disclosed in the inventory, but the maps show a location for sulfuric acid. A September 6, 1994 deficiency letter to Ronald Hull (enclosed) requested clarification on the number and contents of underground storage tanks, additional inventory forms, site and area maps, and an AHM registration form. We have received no response to this deficiency letter. The business plan was not updated in 1995 or 1996.

Submit a revised business plan in the enclosed format to include all hazardous materials at the facility. Include the inventory summary sheet to make it clear what the current inventory includes. If sulfuric acid, hydrazine, hydroquinone, or other AHMs are handled at the site, submit an AHM registration form and a RMPP data request for the AHMs.

SCE Etiwanda Generating Station
8996 Etiwanda Ave, Etiwanda
Last BP Update 8/22/95 prepared by Paul Lacroix, Environmental Compliance Specialist

This business plan is relatively current and appears to be complete and well done. This facility handles hydrazine and sulfuric acid in excess of threshold planning quantities. Current AHM information is sufficient.

File annual inventory updates in the current format by March 1 of each year. If the inventory changes, submit an AHM registration form with the annual inventory update. To meet the 1996 requirement for inventory update and business plan recertification, use the update form at the end of the business plan package.

SCE Coolwater
36938 E. Santa Fe, Daggett
Last Business Plan Update filed 12/15/95 by Michael D. Osborne, Environmental Specialist

1. The last acutely hazardous materials registration form includes sulfuric acid, hydrazine and chlorine gas. The current business plan includes sulfuric acid and hydrazine, but does not include chlorine gas and it appears that hypochlorite may have been substituted or the chlorine process discontinued.

To clarify this, file a new AHM registration form and RMPP data request indicating the maximum quantities of and the processes in which AHMs are currently handled.

2. The business plan maps indicate ammonia storage near the #3 & #4 Cooling Towers. No inventory page discloses the quantity or concentration of ammonia.

If this material is still handled at the facility, file a material form for it. If not, submit a revised map.

3. Page 2 of the business plan indicates that extremely hazardous substances are stored below threshold planning quantity amounts. According to the 12/15/95 inventory, SCE stores up to 60,000 gallons of sulfuric acid and 900 gallons of 35% hydrazine. The TPQ for both sulfuric acid and hydrazine is 1000 lbs.

Submit a revised page 2.

4. While the business plan emergency contact page has correct phone numbers, the 12/15/95 Hazardous Substance Spill procedure has an incomplete phone number for this agency (338-6942 is an 800 number). Also, this procedure states that "notification is required if the facility has had a release fire or explosion which could threaten human health or the environment outside of the facility". Following this procedure could lead to a violation of CA Health and Safety Code 25507 which requires immediate reporting of any release or threatened release of a hazardous material. The only exception to immediate reporting is provided in California Code of Regulations Title 19 Section 2703(c) which states that the immediate reporting "shall not be required if there is a reasonable belief that the release poses no significant present or potential hazard to human health and safety, property, or the environment." SCE is required to provide notification in the event of a release or threatened release within the facility boundaries also.

Revise this policy to correspond to California law and regulation.

SCE - Solar Two Project
37110 East Santa Fe Street, Daggett
Last BP Update received June 13, 1996. Filed by Gene Gordon

1. Original plan filed May 30, 1995 indicated only the storage of hydraulic fluid. Based on that disclosure, the facility was permitted for handling hazardous materials only. The plan dated 6/08/96 still does not indicate what hazardous wastes are going to be generated. Since SCE must have a hazardous waste generator permit in order to legally undertake any of the activities involved in managing hazardous waste, this Department will permit the facility for a regular hazardous waste generator for an operation involving 11-20 employees.

File waste disclosure forms for hazardous wastes anticipated to be generated in this reporting year. (The business plan must include hazardous wastes at the facility in any quantity.) If an unanticipated waste is generated later, SCE can then file the waste form within 30 days of its generation. Adjustments in annual generation amounts can be made with the 1997 inventory update.

2. The 6/8/96 Business plan indicates that 93% sulfuric acid will be handled in a maximum quantity of 2500 gallons and 100% hydroquinone in a maximum quantity of 110 gallons. The TPQ of sulfuric acid is 1000 lbs and the TPQ of hyroquinone is 500 lbs. Both are above threshold. Mr. Gordon has submitted a registration form for sulfuric acid, but not for hydroquinone.

Submit a revised AHM registration form and RMPP data request to include hydroquinone.

3. For our understanding of SCE activities in Daggett, it would be helpful to have a statement of the physical and business relationships and current operations of Solar Two, Solar One, the Coolwater Generating Station, and the energy project formerly known as "Texaco Cool Water Project". Did Solar Two entirely replace Solar One? Who controls the equipment and property at the Cool Water Coal Gasification facility?

Please provide a brief explanation of these operations and how they relate to one another.

II. Risk Management and Prevention Program requirements for Solar Two

The handling of AHMs above TPQ at Solar Two subjects the facility to the RMPP requirements for a new or modified facility under Article 2 of Chapter 6.95 of the CA Health and Safety Code. The RMPP for a new or modified facility is required by California law to be implemented prior to commencing operations. Furthermore, SCE was required under Section 25534.2 of this Chapter to obtain a notice to comply or determination of exemption from the RMPP prior to approval of a development project or issuance of a building permit.

Enclosed is a copy of the notice. This notice will allow SCE to develop the Solar Two RMPP in conjunction with complying with process safety management requirements for all of the generating facilities. The RMPP law specifically allows a handler with two or more facilities which are substantially identical to prepare a single generic RMPP applicable to all those facilities if the handling of AHMs is substantially similar at all of those facilities.

III. Other Process Safety Management Requirements

There are 3 basic overlapping process safety management requirements: OSHA Process Safety Management (PSM), EPA's Accidental Release Prevention and Risk Management Program (RMP), and California's Risk Management and Prevention Program (RMPP). Each has a separate but often overlapping list of both chemicals and requirements. The enclosed materials provide all three lists. There is also a relevant bill (SB 1889) going through the California State Legislature that proposes to combine some of the Federal and State process safety requirements. The latest version of the bill and some analysis are enclosed.

Review the enclosed information regarding OSHA PSM & EPA RMP and submit to this Division a statement as to whether SCE is subject to these other process safety requirements.

From my brief review based on the disclosure information provided by SCE, the following thresholds apply to chemicals that are or have at one time been handled by SCE:

Chemical	Requirement	Threshold	CW	HGr	ET	SB	S2
Hydrogen	PSM & RMP	10,000 lbs					N
Propane	PSM & RMP	10,000 lbs					N
Sulfuric Acid	RMPP	1,000 lbs	Y	?	Y	?	Y
Hydrazine	RMPP	1,000 lbs					N
Hydrazine	RMP	15,000 lbs					N
Hydroquinone	RMPP	500 lbs					Y
Aqueous Ammonia (>44%)	PSM	15,000 lbs					N
Aqueous Ammonia (20%+)	RMP	20,000 lbs					N
Anhydrous Ammonia	PSM	10,000 lbs					
Anhydrous Ammonia	RMP	10,000 lbs					
Anhydrous Ammonia	RMPP	500 lbs					
Chlorine gas	RMPP	100 lbs	?				
Chlorine gas	PSM	1500 lbs					
Chlorine gas	RMP	2500 lbs					

It appears from our information that SCE may only be subject to the California requirements based on the type and quantity of listed materials that have been disclosed to this Division. SCE needs to confirm its status with respect to the federal requirements since deadlines for PSM are passing, the RMP is pending, and both overlap tremendously with the RMPP. I've include information on OSHA PSM, EPA's RMP and the California State Senate Bill that is attempting to revise the California law to incorporate the federal Clean Air Act Amendment requirements. Similar information was previously provided by this office in January of 1994 to Kelly Bennett in your office.

Please provide the requested information by **September 12, 1996.** If you have any questions, contact me at (909) 387-3044.

Marilyn Kraft

Marilyn Kraft, MBA, REHS
Emergency Response and Enforcement

enc.:
Business Plan Guidelines and Forms
AHM List, AHM Registration Form, RMPP Data Request, RMPP Deadlines
August 18, 1994 request for information to Nam H. Le
September 6, 1994 deficiency letter to Ronald Hull
CA HEALTH AND SAFETY CODE Section 25507
Section 2703 of CALIFORNIA CODE OF REGULATIONS Title 19
SB 1889 and related analysis
Process Safety Management booklet 1993 OSHA Reprint
Single Page Listing of Highly Hazardous Chemicals subject to OSHA PSM
EPA List of Regulated substances and Thresholds - Final Rule
Rough Comparison of OSHA PSM, CA RMPP, RMP

FILE: SCE ETIWANDA 86008879
8996 ETIWANDA
ETIWANDA

COUNTY FIRE DEPARTMENT

COUNTY OF SAN BERNARDINO

HAZARDOUS MATERIALS DIVISION
385 North Arrowhead Avenue, Second Floor • San Bernardino, CA 92415-0160

RICHARD W. SEWELL
Fire Chief
County Fire Warden

December 19, 1995

Kleinfelder, Inc.
9833 Mills Ave.
Montclair, CA 91763-2630

ATTENTION: Linda B. Wales
Environmental Scientist

SUBJECT: REQUEST FOR RECORDS INFORMATION
8996 Etiwanda Ave., Etiwanda, California

The San Bernardino County Hazardous Materials Division has located file(s) for the property described in your request to inspect records. The following file(s) are available for your review:

1.	SCE ETIWANDA 8996 ETIWANDA AVE. ETIWANDA	FACILITY ID #86008879 HAZARDOUS MATERIALS HANDLER PERMIT HAZARDOUS WASTE GENERATOR PERMIT
2.	SCE ETIWANDA 8996 ETIWANDA AVE. ETIWANDA	UNDERGROUND STORAGE TANK REMOVAL PERMIT ISSUED 1/7/86 (1)
3.	ETIWANDA GENERATING STN. 8996 ETIWANDA AVE. ETIWANDA	UNDERGROUND STORAGE TANK INSTALLATION PERMIT ISSUED 1/7/86 (1)
4.	SO CAL EDISON COOLING TWR 8996 ETIWANDA AVE. ETIWANDA	REPORT OF RELEASE OR THREATENED RELEASE OF HAZARDOUS WASTE PURSUANT TO CALIFORNIA HEALTH AND SAFETY CODE REPORTING RQMTS 4/8/87 ID#8704063 DETERMINED NOT PROP 65 REPORTABLE

Files searched include permitted facilities (hazardous waste generators, hazardous materials handlers, underground storage tanks, and medical waste generators), formerly permitted facilities (inactive and/or out of business), underground storage tank removals, records pertaining to illicit dumping and releases, non-permitted facilities, and non-facility emergency response incidents, and a cursory search of state and federal databases.

If you want to review the file(s), please contact Elizabeth Parmenter or Mary Flaherty at the telephone number below to schedule an appointment. The file(s) will be available for review for a period of ten (10) days unless called back for inspection, emergency response, or administrative purposes.

We will copy up to twenty (20) pre-selected pages from a file at a charge $0.25 per page copied. (Be prepared to make this payment at the time of service). If the copies selected exceed twenty (20) pages or if you want a copy of the entire file and it exceeds twenty (20) pages, we will refer you to a private copy service. If you prefer to bring a portable copier on site, you may do so. Please let us know your plans in advance so that accommodations can be made.

Contact Elizabeth Parmenter or Mary Flaherty at the number below for further clarification and instructions.

Sincerely,

Elizabeth A. Parmenter

ELIZABETH A. PARMENTER, Environmental Technician III
Site Remediation/Local Oversight Program (909) 387-3041
Hazardous Materials Division

9511171.ral

JAMES J. HLAWEK
County Administrative Officer

Board of Supervisors
MARSHA TUROCI . . . . . First District
JON D. MIKELS . . . . . Second District
JERRY EAVES . . . . . Fifth District
BARBARA CRAM RIORDAN . . . Third District
LARRY WALKER . . . . . Fourth District

ENVIRONMENTAL HEALTH SERVICES

☒ 385 North Arrowhead Avenue • San Bernardino, CA 92415-0160 • (909) 387-4646
☐ 320 East "D" Street • Ontario, CA 91764 • (909) 391-7570
☐ 15505 Civic Drive • Victorville, CA 92392 • (619) 243-8141
☐ 17830 Arrow Boulevard • Fontana, CA 92335 • (909) 829-6244
☐ 57407 Twentynine Palms Highway • Yucca Valley, CA 92284 • (619) 228-5410
☐ San Bernardino County Vector Control Program
2355 East Fifth Street • San Bernardino, CA 92415-0064 • (909) 383-3200

COUNTY OF SAN BERNARDINO
ENVIRONMENTAL
MANAGEMENT GROUP

PAMELLA BENNETT, R.E.H.S.
Director

Also serving the cities of:

Adelanto	Montclair
Apple Valley	Needles
Barstow	Ontario
Big Bear Lake	Rancho Cucamonga
Chino	Redlands
Chino Hills	Rialto
Colton	San Bernardino
Fontana	Twentynine Palms
Grand Terrace	Upland
Hesperia	Victorville
Highland	Yucaipe
Loma Linda	Yucca Valley

September 7, 1995

Southern California Edison
8996 Etiwanda Ave.
Etiwanda, CA 91739

The Department of Environmental Health Services Emergency Management Program has determined that the Business Plan of

Etiwanda Generating Station (as amended) ~~(as submitted)~~

meets the requirements mandated in the State Health and Safety Code, Chapter 6.95. The entire contents of this approved Business Plan, with the exception of "Trade Secrets" and portions of the plan specifying the precise location where hazardous materials are stored and handled on site including the maps, will be available for public inspection.

Within 30 days of any of the following events, this business must submit to this Department an amendment to the inventory form detailing the handling and the following appropriate information.

1. A 100 percent or more increase in quantity of a previously disclosed material.

2. Any handling of a previously undisclosed hazardous material subject to the inventory requirements of this chapter.

3. Change of business address.

4. Change of business ownership.

5. Change of business name.

A copy of this Business Plan has been sent to the local enforcement agency and/or fire jurisdiction.

Jacquelyn Medellin

JACQUELYN MEDELLIN, R.E.H.S.
Business Plan Coordinator
(909) 387-4677

JM:sn

Board of Supervisors
MARSHA TURNER — First District — BARBARA CRAFT
JON D. MIKELS — Second District — LARRY WALKER
JERRY EAVES — Fifth District

ENVIRONMENTAL HEALTH SERVICES

COUNTY OF SAN BERNARDINO
ENVIRONMENTAL
MANAGEMENT GROUP

☒ 385 North Arrowhead Avenue • San Bernardino, CA 92415-0160 • (909) 387-4646
☐ 320 East "D" Street • Ontario, CA 91764 • (909) 391-7570
☐ 15505 Civic Drive • Victorville, CA 92392 • (619) 243-8141
☐ 17830 Arrow Boulevard • Fontana, CA 92335 • (909) 829-6244
☐ 57407 Twentynine Palms Highway • Yucca Valley, CA 92284 • (619) 228-5410
☐ San Bernardino County Vector Control Program
2355 East Fifth Street • San Bernardino, CA 92415-0064 • (909) 383-3200

PAMELLA BENNETT, R.E.H.S.
Director

Also serving the cities of:

Adelanto	Montclair
Apple Valley	Needles
Barstow	Ontario
Big Bear Lake	Rancho Cucamonga
Chino	Redlands
Chino Hills	Rialto
Colton	San Bernardino
Fontana	Twentynine Palms
Grand Terrace	Upland
Hesperia	Victorville
Highland	Yucaipa
Loma Linda	Yucca Valley

April 21, 1995

Southern California Edison
8996 Etiwanda Ave.
Etiwanda, CA 91739

SUBJECT: BUSINESS PLAN DEFICIENCIES

FACILITY: Etiwanda Generating Station

In reviewing the Business Plan submitted to the Department of Environmental Health Services (DEHS) as required in Chapter 6.95 of the Health and Safety Code, it has been determined that the following are/is incomplete or deficient. Please submit the requested information with this letter to DEHS for final review within 30 days from the above date.

Facility maps: show the Location of each Hazardous Material Inventoried using the item # from the Inventory forms. Be sure to number multiple facility maps.

Inventory Forms: update the storage Location grid coordinates by placing facility map # and then the grid coordinate.

Submit corrections in 3 copies each.

For further information concerning these essential elements, please refer to the "Business Emergency/Contingency Plan" prepared by DEHS.

Thank you for your cooperation and prompt attention to this matter.

Jacquelyn Medellin

JACQUELYN MEDELLIN, R.E.H.S.
Business Plan Coordinator

JM:sn

Board of Supervisors

THIS FORM MUST BE COMPLETED PRIOR TO SUBMISSION OF YOUR BUSINESS EMERGENCY / CONTINGENCY PLAN.

BUSINESS NAME: *SOUTHERN CALIFORNIA EDISON COMPANY*

BUSINESS ADDRESS: *8996 ETIWANDA AVENUE*
ETIWANDA, CA 91739

I DECLARE UNDER PENALTY OF LAW THAT I HAVE REVIEWED THIS BUSINESS EMERGENCY / CONTINGENCY PLAN AND UNDERSTAND MY RESPONSIBILITIES; AND THAT THE INFORMATION PROVIDED IN THIS AND ALL ATTACHED DOCUMENT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE.

SIGNATURE OF OWNER / OPERATOR: _____ DATE: March 23, 1995

PRINT NAME OF OWNER / OPERATOR: *RONALD W. HULL* TITLE: *STATION MANAGER*

BUSINESS PLAN PREPARED BY:
(Please print)

PAUL LACROIX

ENVIRONMENTAL COMPLIANCE SPECIALIST

A COPY OF THIS PLAN SHALL BE RETAINED AT YOUR BUSINESS

You must also maintain current material safety data sheets (MSDSs) for all materials at the facility.

Please give the name and business phone number of a person to whom questions regarding MSDSs may be addressed:

Name: Keith Anderson Business Phone: (909) 899-7209

File

ENVIRONMENTAL HEALTH SERVICES

385 North Arrowhead Avenue • San Bernardino, CA 92415-0160 • (714) 387-4646
320 East "D" Street • Ontario, CA 91764 • (714) 391-7570
15505 Civic Drive • Victorville, CA 92392 • (619) 243-8141
17830 Arrow Boulevard • Fontana, CA 92335 • (714) 829-6244
57407 Twentynine Palms Highway • Yucca Valley, CA 92284 • (619) 228-5410
San Bernardino County Vector Control Program
2355 East Fifth Street • San Bernardino, CA 92415-0064 • (714) 383-3200
Environmental Enforcement and Housing
172 West Third Street • San Bernardino, CA 92415-0315 • (714) 387-6512/6515

COUNTY OF SAN BERNARDINO
ENVIRONMENTAL
MANAGEMENT GROUP

PAMELLA BENNETT, R.E.H.S.
Director

Also serving the cities of:

Adelanto	Montclair
Apple Valley	Needles
Barstow	Ontario
Big Bear Lake	Rancho Cucamonga
Chino	Redlands
Colton	Rialto
Fontana	San Bernardino
Grand Terrace	Twentynine Palms
Hesperia	Upland
Highland	Victorville
Loma Linda	Yucaipa

November 4, 1991

Southern California Edison
2244 Walnut Grove Ave
Rosemead, CA 91770

The Department of Environmental Health Services Emergency Management Program has determined that the Business Plan of

SCE - Etiwanda Generating Station (as amended) ~~(as submitted)~~

meets the requirements mandated in the State Health and Safety Code, Chapter 6.96. The entire contents of this approved Business Plan, with the exception of "Trade Secrets" and portions of the plan specifying the precise location where hazardous materials are stored and handled on site including the maps, will be available for public inspection.

Within 30 days of any of the following events, this business must submit to this Department an amendment to the inventory form detailing the handling and the following appropriate information.

1. A 100 percent or more increase in quantity of a previously disclosed material.
2. Any handling of a previously undisclosed hazardous material subject to the inventory requirements of this chapter.
3. Change of business address.
4. Change of business ownership.
5. Change of business name.

A copy of this Business Plan has been sent to the local enforcement agency and fire jurisdiction.

Jacquelyn Medellin

JACQUELYN MEDELLIN, R.E.H.S.
Risk Management & Community Right to Know
(714) 387-3044

JM:lm

ENVIRONMENTAL HEALTH SERVICES

☑ 385 North Arrowhead Avenue • San Bernardino, CA 92415-0160 • (714) 387-4646
☐ 320 East "D" Street • Ontario, CA 91764 • (714) 391-7570
☐ 15505 Civic Drive • Victorville, CA 92392 • (619) 243-8141
☐ 17830 Arrow Highway • Fontana, CA 92335 • (714) 829-6244
☐ 57407 Twentynine Palms Highway • Yucca Valley, CA 92284
☐ San Bernardino County Vector Control Program
2355 East Fifth Street • San Bernardino, Ca 92415 • (714) 383-3200
☐ Environmental Enforcement and Housing
172 West Third Street • San Bernardino, CA 92415-0315 • (714) 387-6512/6515
☐ Air Pollution Control District
15428 Civic Drive, Suite 200, Victorville, CA 92392 • (619) 243-8200

COUNTY OF SAN BERNARDINO
ENVIRONMENTAL
PUBLIC WORKS AGENCY

PAUL F. RYAN, R.E.H.S.
Director

Also serving the cities of:

Adelanto	Loma Linda
Apple Valley	Montclair
Barstow	Needles
Big Bear Lake	Ontario
Chino	Rancho Cucamonga
Colton	Redlands
Fontana	Rialto
Grand Terrace	San Bernardino
Hesperia	Twentynine Palms
Highland	Upland

Victorville

May 8, 1991

SOUTHERN CALIFORNIA EDISON CO
2244 WALNUT GROVE AVE
ROSEMEAD, CA 91770

SUBJECT: BUSINESS PLAN CONDITIONAL APPROVAL

FACILITY: SOUTHERN CALIFORNIA EDISON CO
ETIWANDA GENERATING STATION
8996 ETIWANDA AVE, ETIWANDA

The Department of Environmental Health Services (DEHS) has reviewed the Business Plan submitted for the above subject facility. Please be advised that not all of the elements required in the Business Plan have been completed, however, basic information about the facility, hazardous materials inventory and storage locations are acceptable. DEHS therefore, conditionally approves this Business Plan and has forwarded it to the local police and fire jurisdictions for emergency response purposes.

To receive final approval, please submit the following within 30 days. 9B. Hazardous Waste must be disclosed in any quantity generated.

12. Facility Evacuation - at a minimum provide routes & a meeting location

18. Area Map 19. Site map - must show surrounding area & property use

Thank you for your prompt attention to this very important matter. If you have further questions, please call DEHS.

Jacquelyn Medellin

Hazardous Materials Field Services
(714) 387-3080

SOUTHERN CALIFORNIA EDISON COMPANY
ETIWANDA GENERATING STATION
8996 ETIWANDA AVENUE
ETIWANDA, CA 91739
(714) 987-2561

SUBJECT: SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT
TITTLE III, SECTION 311 NOTIFICATION

NOTICE: The following chemical products are found at this location in qualifying amounts:

CHEMICAL NAME	CHEMICAL SYMBOL	OSHA HAZARD CLASS	STORAGE CAPACITY
Hydrazine	N_2H_4	Acute	400 gals
Sodium Hydroxide	NaOH	Acute	10,000 gals
Sodium Hypochlorite	NaOCl	Acute	7,500 gals
Sulfuric Acid	H_2SO_4	Acute	46,000 gals

HAZARDOUS MATERIALS AND HAZARDOUS WASTE MANAGEMENT PLAN

ETIWANDA GENERATING STATION

CAD 079548574

SEPTEMBER 1987

San Bernardino County Fire De ment
HAZARDOUS MATERIALS DIVISION • CUPA
CALIFORNIA ACCIDENTAL RELEASE PREVENTION PROGRAM
620 S. E Street, San Bernardino, CA 92415-0153 • (909) 386-8401; FAX (909) 386-8460

CALARP TIME ACCOUNTING

Facility ID #: 2943
Facility: Etiwanda Generating Station
Facility Contact: Paul LaCroix

Consultant:
Regulated Substance(s): 19% Aqueous Ammonia
Process: NOx control + water treatment

DATE	STAFF	ACTIVITY	STAFF HRS
8-29-08	VH	Rec'd via e-mail, an updated registration form and an updated Section 5.0 thru 5.4 (pg. 13-16) of the RMP. Registration form to folder - RMP pages ~~added~~ changed out.	
11-14-13	KA	Rec'd cal ARP registration form via email (NO changes)	

HAZARDOUS MATERIALS FIELD SERVICES
COMPUTER DATA BASE UPDATE AUTHORIZATION

CHANGE [ ]

(Circle one) INACTIVATE PERMIT/FACILITY [Y]

BILL TO: E A O LOC/DIST NO: _____ EST NO: 860088579

(Former Est. Name (if applicable)

E – Establishment Information
Name: Etiwanda

Street No: 8996 Fraction: _____ Direction: _____

Street Name: Etiwanda ave Apt/Ste/Unit No: _____

City: Rancho Cucamonga State: CA Zip Code: 91739

Attn: _____ Telephone: ( )

A – Applicant Information
Name: _____

Street No: _____ Fraction: _____ Direction: _____

Street Name: _____ Apt/Ste/Unit No: _____

City: _____ State: _____ Zip Code: _____

Attn: _____ Telephone: ( )

O – Owner Information
Name: _____

Street No: _____ Fraction: _____ Direction: _____

Street Name: _____ Apt/Ste/Unit No: _____

City: _____ State: _____ Zip Code: _____

Attn: _____ Telephone: ( )

Program Information: MFR Number _____

Number of Employees: _____ Number of UST's: _____

Federal Tax I.D.Number/Social Security Number: _____

Permit Information: (Circle those that apply)

Change/Inactivate/Add: 227023 Permit No: 980616664 31

Change/Inactivate/Add: _____ Permit No: _____

Change/Inactivate/Add: _____ Permit No: Refund $41.50

Change/Inactivate/Add: _____ Permit No: _____

Change/Inactivate/Add: _____ Permit No: _____

Date Submitted: 8/16/99 Date Entered: 9-1-99

Submitted By: JMC Entered By: Dina Thomas

Comments/Remarks: State fee no longer applies.

SOUTHERN CALIFORNIA
EDISON
An *EDISON INTERNATIONAL*™ Company

October 10, 1997

Department of Toxic Substances Control
400 P Street, 4th Floor
P.O. Box 806
Sacramento, CA 95812-0806

SUBJECT: CANCELLATION OF CONDITIONAL EXEMPTION PERMIT
SOUTHERN CALIFORNIA EDISON COMPANY
ETIWANDA GENERATING STATION

Southern California Edison Company is making written notification of the cancellation of the conditional exemption permit (see attached) for the unit located at the Etiwanda Generating Station. The unit (aerosol can crusher) and any residual hazardous waste has been properly removed from the facility pursuant to the Health and Safety Code §25201.5 (d)(8). The requested information is as follows:

Southern California Edison Company
Etiwanda Generating Station
8996 Etiwanda Avenue
Etiwanda, CA 91739

EPA ID# CAD079548574
Conditional Exemption – Unit 1C
Closure Date: September 30, 1997

As required, San Bernardino County Fire Department (the designated CUPA) are also being notified of this cancellation. In addition, please cancel any fees associated with this permit. If you have any questions regarding this request, please contact me at (626) 302-2153.

Sincerely,

Danielle Chupa

DANIELLE CHUPA
ENVIRONMENTAL SPECIALIST

Enclosure

cc: Wayne Williams, San Bernardino County Fire

P. O. Box 800
2244 Walnut Grove Ave.
Rosemead, CA 91770

STATE OF CALIFORNIA—ENVIRONMENTAL PROTECTION AGENCY

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
400 P Street, 4th Floor
P.O. Box 806
Sacramento, CA 95812-0806

(916) 323-5871

PETE WILSON, Governor

03/02/94

EPA ID: CAD079548574

SOUTHERN CALIF EDISON CO/ETIWANDA GEN ST
CHRIS JOHNSON
PO BOX 800 #405
ROSEMEAD, CA 91770

For facility located at:

8996 ETIWANDA AVE
ETIWANDA, CA 91739

Authorization Date: 03/02/94

Dear Conditionally Authorized and/or Conditionally Exempt Facility:

ACKNOWLEDGEMENT OF UNITS OPERATING UNDER CONDITIONAL AUTHORIZATION AND/OR CONDITIONAL EXEMPTION

The Department of Toxic Substances Control (DTSC) has received your facility specific notification (form DTSC 1772) and forms for Conditional Authorization and/or Conditional Exemption for Specified Wastestreams (form DTSC 1772B and/or 1772C). Your notifications are administratively complete, but have not been reviewed for technical adequacy. A technical review of your notifications will be conducted when an inspection is performed. At any time, you may be inspected and will be subject to penalty if violations of laws or regulations are found.

The Department acknowledges receipt of your completed notification for the treatment unit(s) listed on the last page of this letter. These units operating under Conditional Authorization or Conditional Exemption are authorized by California law without additional Department action, pursuant to Health and Safety Code sections 25200.3 and 25201.5. Your authorization to operate continues until you notify DTSC that you have stopped treating waste and have fully closed the unit(s). You will be charged annual fees calculated on a calendar year basis for each year you operate and have not notified DTSC that the units have been closed.

You must notify the DTSC 60 days before first treating hazardous wastes in any new unit. You must also notify the DTSC whenever any of the information you provided in these notifications changes. To revise information, mail a cover letter to the above address explaining the changes, attach only the pages of your notification package that have changed, and re-sign and date at the signature space on page 3 of form 1772.

Your status to operate under Conditional Authorization and/or Conditional Exemption is contingent upon the accuracy of information submitted by you in the notifications mentioned above, and your compliance with all applicable requirements in the Health and Safety Code. Any misrepresentation or any failure to fully disclose all relevant facts shall render your authorization to operate null and void.

You are also required to properly close any treatment unit. Additional guidance on closure will be issued and distributed to all authorized onsite facilities later this year.

DEC-01-'94 THU 08:34 ID:DHS TOXICS PROGRAM TEL NO:916 327 4495 #910 P02

EPA ID: CAD079548574

If you have any questions regarding this letter, or have questions on operating requirements for your facility, please contact the nearest DTSC regional office, or this office at the letterhead address or phone number.

Sincerely,

Michael S. Horner, Chief
Onsite Hazardous Waste Treatment Unit
Permit Streamlining Branch
Hazardous Waste Management Program

Enclosure

cc: SONIA LOW
DTSC REGION 4 OFFICE
SURVEILLANCE & ENFORCEMENT BR.
245 WEST BROADWAY, SUITE 350
LONG BEACH, CA 90802

DOUG SNYDER
SAN BERNARDINO COUNTY
ENVIRONMENTAL HEALTH SERVICES
ENV.MANAGEMENT GROUP
385 NORTH ARROWHEAD AVENUE
SAN BERNARDINO, CA 92415-0160

DEC-01-'94 THU 08:35 ID:DHS TOXICS PROGRAM TEL NO:916 327 4495 #910 P03

EPA ID: CAD079548574

ENCLOSURE 1

Units authorized to operate at this location:

UNDER CONDITIONAL AUTHORIZATION:

UNDER CONDITIONAL EXEMPTION:

UNIT 1C

DEC-01-'94 THU 08:35 ID:DHS TOXICS PROGRAM TEL NO:916 327 4495 #910 P04

COUNTY FIRE
HAZARDOUS MATERIALS

97 OCT 14 PM 4:32

Ok to File

STATE OF CALIFORNIA—CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY PETE WILSON, *Governor*

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
400 P STREET, 4TH FLOOR
P.O. BOX 806
SACRAMENTO, CA 95812-0806

(916) 323-5871

12/19/94

DIS INDUSTRIAL SERVICES
ATTN: DAVID SWOFFER
P.O. BOX 3909
TORRANCE, CA 90510

EPA ID NUMBER: CAD000628271

TTU SERIAL NUMBER: TTU002

DEAR TTU OPERATOR:

AUTHORIZATION TO OPERATE A TTU UNDER PERMIT BY RULE AT:
SITE EPA ID NUMBER: CAD000630962
SOUTHERN CALIFORNIA EDISON CO
8966 ETIWANDA AVE
ETIWANDA CA 90245

The Department of Toxic Substances Control (DTSC) has received your Transportable Treatment Unit (TTU) Permit by Rule Site-Specific Notification (form DTSC 8429A). Your notification has been found to be complete, but has not been reviewed for technical adequacy. A technical review will be conducted when you are inspected.

At any time, you may be inspected by DTSC or a federal or local government agency. Violations of laws or regulations which are found may make you liable for criminal, civil or administrative penalties, as provided by law.

Pursuant to Title 22, California Code of Regulations (CCR), section 67450.3(b), you are authorized to operate the TTU specified above at the site specified above, subject to compliance with applicable laws and regulations.

This authorization is only for the site and times specified in your Site-Specific Notification. TTUs shall not be stationed or operated at any single on-site or off-site facility for more than 180 days within any 365-day period, unless operating as part of a site remediation, corrective action, or closure as specified in Title 22, CCR, section 67540.3 (a)(8)(A).

Your unit authorization expires one year from the date of your Unit-Specific authorization letter, unless the Department changes your period of authorization in writing pursuant to Title 22, CCR, section 67450.3(a)(1).

The owner or operator of the TTU shall maintain at the facility or site all documents specified in 67450.3(a)(10). These documents shall include but not be limited to the relevant TTU Unit-Specific Notification (form DTSC 8429), the relevant Site-Specific Notification (form DTSC 8429A) and the corresponding DTSC 8429 and 8429A authorization letters.

These authorizations are contingent upon the accuracy of information submitted by you in the notifications mentioned above, and your compliance with applicable requirements set forth in
Title 22, CCR, sections 67450.3, 67450.7, and 67450.9(b). Any misrepresentation or any failure to fully disclose all relevant facts renders this authorization to operate null and void. Your authorization may be terminated as specified in Title 22, CCR, section 67450.9.

To be eligible for PBR, treatment must be conducted in tanks or containers. No land treatment or treatment of waste piles are allowed under PBR. All containers used for treatment under PBR require secondary containment. Tanks treating or storing hazardous waste require either a tank integrity assessment or secondary containment as specified in the regulations. Failure to comply with these requirements will render this authorization to operate null and void and could result in an enforcement action.

Printed on Recycled Paper

It is your responsibility to understand and comply with all applicable laws and regulations. You are specifically required to amend your notification if any information changes.

If you have questions regarding this letter, or have questions on operating requirements for your facility, please contact the nearest DTSC regional office, or this office.

Sincerely,

Michael S. Horner, Chief
Onsite Hazardous Waste Treatment Unit
Permit Streamlining Branch
Hazardous Waste Management Division

Enclosures

cc: SONIA LOW
UNIT CHIEF,FMB
DTSC REGION 4 OFFICE
SURVEILLANCE & ENFORCEMENT BR.
245 WEST BROADWAY, SUITE 350
LONG BEACH, CA 90802

DOUG SNYDER
SUPERVISING ENV. HEALTH SPEC.
ENVIRONMENTAL HEALTH SERVICES
ENV.MANAGEMENT GROUP
385 NORTH ARROWHEAD AVENUE
SAN BERNARDINO, CA 92415-0160

STATE OF CALIFORNIA—ENVIRONMENTAL PRO ION AGENCY PETE WILSON, *Governor*

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
400 P Street, 4th Floor
P.O. Box 806
Sacramento, CA 95812-0806

(916) 323-5871

03/02/94

EPA ID: CAD079548574

SOUTHERN CALIF EDISON CO/ETIWANDA GEN ST
CHRIS JOHNSON
PO BOX 800 #405
ROSEMEAD, CA 91770

For facility located at:

8996 ETIWANDA AVE
ETIWANDA, CA 91739

Authorization Date: 03/02/94

Dear Conditionally Authorized and/or Conditionally Exempt Facility:

ACKNOWLEDGEMENT OF UNITS OPERATING UNDER CONDITIONAL AUTHORIZATION AND/OR CONDITIONAL EXEMPTION

The Department of Toxic Substances Control (DTSC) has received your facility specific notification (form DTSC 1772) and forms for Conditional Authorization and/or Conditional Exemption for Specified Wastestreams (form DTSC 1772B and/or 1772C). Your notifications are administratively complete, but have not been reviewed for technical adequacy. A technical review of your notifications will be conducted when an inspection is performed. At any time, you may be inspected and will be subject to penalty if violations of laws or regulations are found.

The Department acknowledges receipt of your completed notification for the treatment unit(s) listed on the last page of this letter. These units operating under Conditional Authorization or Conditional Exemption are authorized by California law without additional Department action, pursuant to Health and Safety Code sections 25200.3 and 25201.5. Your authorization to operate continues until you notify DTSC that you have stopped treating waste and have fully closed the unit(s). You will be charged annual fees calculated on a calendar year basis for each year you operate and have not notified DTSC that the units have been closed.

You must notify the DTSC 60 days before first treating hazardous wastes in any new unit. You must also notify the DTSC whenever any of the information you provided in these notifications changes. To revise information, mail a cover letter to the above address explaining the changes, attach only the pages of your notification package that have changed, and re-sign and date at the signature space on page 3 of form 1772.

Your status to operate under Conditional Authorization and/or Conditional Exemption is contingent upon the accuracy of information submitted by you in the notifications mentioned above, and your compliance with all applicable requirements in the Health and Safety Code. Any misrepresentation or any failure to fully disclose all relevant facts shall render your authorization to operate null and void.

You are also required to properly close any treatment unit. Additional guidance on closure will be issued and distributed to all authorized onsite facilities later this year.

recycled paper

If you have any questions regarding this letter, or have questions on operating requirements for your facility, please contact the nearest DTSC regional office, or this office at the letterhead address or phone number.

Sincerely,

Michael S. Horner, Chief
Onsite Hazardous Waste Treatment Unit
Permit Streamlining Branch
Hazardous Waste Management Program

Enclosure

cc: SONIA LOW
DTSC REGION 4 OFFICE
SURVEILLANCE & ENFORCEMENT BR.
245 WEST BROADWAY, SUITE 350
LONG BEACH, CA 90802

DOUG SNYDER
SAN BERNARDINO COUNTY
ENVIRONMENTAL HEALTH SERVICES
ENV.MANAGEMENT GROUP
385 NORTH ARROWHEAD AVENUE
SAN BERNARDINO, CA 92415-0160

ENCLOSURE 1

Units authorized to operate at this location:

UNDER CONDITIONAL AUTHORIZATION:

UNDER CONDITIONAL EXEMPTION:

UNIT 1C

STATE OF CALIFORNIA—ENVIRONMENTAL PROTECTI ENCY PETE WILSON, *Governor*

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
400 P Street, 4th Floor
P.O. Box 806
Sacramento, CA 95812-0806

(916) 323-5871

03/02/94

EPA ID: CAD079548574

SOUTHERN CALIF EDISON CO/ETIWANDA GEN ST
CHRIS JOHNSON
PO BOX 800 #405
ROSEMEAD, CA 91770

For facility located at:

8996 ETIWANDA AVE
ETIWANDA, CA 91739

Authorization Date: 03/02/94

Dear Conditionally Authorized and/or Conditionally Exempt Facility:

ACKNOWLEDGEMENT OF UNITS OPERATING UNDER CONDITIONAL AUTHORIZATION AND/OR CONDITIONAL EXEMPTION

The Department of Toxic Substances Control (DTSC) has received your facility specific notification (form DTSC 1772) and forms for Conditional Authorization and/or Conditional Exemption for Specified Wastestreams (form DTSC 1772B and/or 1772C). Your notifications are administratively complete, but have not been reviewed for technical adequacy. A technical review of your notifications will be conducted when an inspection is performed. At any time, you may be inspected and will be subject to penalty if violations of laws or regulations are found.

The Department acknowledges receipt of your completed notification for the treatment unit(s) listed on the last page of this letter. These units operating under Conditional Authorization or Conditional Exemption are authorized by California law without additional Department action, pursuant to Health and Safety Code sections 25200.3 and 25201.5. Your authorization to operate continues until you notify DTSC that you have stopped treating waste and have fully closed the unit(s). You will be charged annual fees calculated on a calendar year basis for each year you operate and have not notified DTSC that the units have been closed.

You must notify the DTSC 60 days before first treating hazardous wastes in any new unit. You must also notify the DTSC whenever any of the information you provided in these notifications changes. To revise information, mail a cover letter to the above address explaining the changes, attach only the pages of your notification package that have changed, and re-sign and date at the signature space on page 3 of form 1772.

Your status to operate under Conditional Authorization and/or Conditional Exemption is contingent upon the accuracy of information submitted by you in the notifications mentioned above, and your compliance with all applicable requirements in the Health and Safety Code. Any misrepresentation or any failure to fully disclose all relevant facts shall render your authorization to operate null and void.

You are also required to properly close any treatment unit. Additional guidance on closure will be issued and distributed to all authorized onsite facilities later this year.

RECEIVED
MAY 13 1997
COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS

recycled paper

If you have any questions regarding this letter, or have questions on operating requirements for your facility, please contact the nearest DTSC regional office, or this office at the letterhead address or phone number.

Sincerely,

Michael S. Horner, Chief
Onsite Hazardous Waste Treatment Unit
Permit Streamlining Branch
Hazardous Waste Management Program

Enclosure

cc: SONIA LOW
DTSC REGION 4 OFFICE
SURVEILLANCE & ENFORCEMENT BR.
245 WEST BROADWAY, SUITE 350
LONG BEACH, CA 90802

DOUG SNYDER
SAN BERNARDINO COUNTY
ENVIRONMENTAL HEALTH SERVICES
ENV.MANAGEMENT GROUP
385 NORTH ARROWHEAD AVENUE
SAN BERNARDINO, CA 92415-0160

ENCLOSURE 1

Units authorized to operate at this location:

UNDER CONDITIONAL AUTHORIZATION:

UNDER CONDITIONAL EXEMPTION:

UNIT 1C

Check Number
589160

92-0004-

---Staple Check Here---

ONSITE HAZARDOUS WASTE TREATMENT NOTIFICATION FORM

FACILITY SPECIFIC NOTIFICATION

1 Unit Est
3/2/94 mb

For Use by Hazardous Waste Generators Performing Treatment Under Conditional Exemption and Conditional Authorization, and by Permit By Rule Facilities

Corrected ☒ Initial ☐ Revised

Please refer to the attached Instructions before completing this form. You may notify for more than one permitting tier by using this notification form, DTSC 1772. You must attach a separate unit specific notification form for each unit at this location. There are different unit specific notification forms for each of the four categories and an additional notification form for transportable treatment units (TTU's). You only have to submit forms for the tier(s) that cover your unit(s). Discard or recycle the other unused forms. Number each page of your completed notification package and indicate the total number of pages at the top of each page at the 'Page __ of __'. Put your EPA ID Number on each page. Please provide all of the information requested; all fields must be completed except those that state 'if different' or 'if available'. Please type the information provided on this form and any attachments.

The notification will not be considered complete without payment of the appropriate fee for each tier under which you are operating. (Please note that the fee is per TIER not per UNIT. For example, if you operate 5 units but they are all Conditionally Authorized, you only owe $1,140, NOT 5 times $1,140. If you operate any Permit by Rule units and any units under Conditional Authorization you owe $2,280.) Checks should be made payable to the Department of Toxic Substances Control and be stapled to the top of this form. Please write your EPA ID Number on the check. Fill in the check number in the box above.

I. NOTIFICATION CATEGORIES

Indicate the number of units you operate in each tier. This will also be the number of unit specific notification forms you must attach. Conditionally Exempt Small Quantity Treatment operations may not operate units under any other tier.

Number of units and attached unit specific notifications				Fee per Tier (not per unit)
A.	___	Conditionally Exempt-Small Quantity Treatment	(Form DTSC 1772A)	$ 100
B.	1	Conditionally Exempt-Specified Wastestream	(Form DTSC 1772B)	$ 100
C.	___	Conditionally Authorized	(Form DTSC 1772C)	$1,140
D.	___	Permit by Rule	(Form DTSC 1772D)	$1,140
	1	Total Number of Units		Total Fee Attached $ 100

II. GENERATOR IDENTIFICATION

EPA ID NUMBER CA D 0 7 9 5 4 8 5 7 4 BOE NUMBER (if available) H F HQ 3 8 0 0 0 2 6 4

NAME (Company or Facility) Southern California Edison Co.
(DBA–Doing Business As)
PHYSICAL LOCATION Etiwanda Generating Station
8996 Etiwanda Avenue

CITY Etiwanda CA ZIP 91739 -

For DTSC Use Only
Region 4

COUNTY San Bernardino

CONTACT PERSON David (First Name) Kay (Last Name) PHONE NUMBER (818) 302 - 2149

MAILING ADDRESS, IF DIFFERENT:

COMPANY NAME (DBA) Southern California Edison Co.

STREET Environmental Affairs

P.O. Box 800, Room 405

CITY Rosemead STATE CA ZIP 91770 -

COUNTRY (only complete if not USA)

CONTACT PERSON David (First Name) Kay (Last Name) PHONE NUMBER(818) 302 - 2149

III. TYPE OF COMPANY: STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODE:

Use either one or two SIC codes (a four digit number) that best describe your company's products, services, or industrial activity.

Example: *7384* *Photofinishing lab* *3672* *Printed circuit boards*

First: 4911 Electric Utility Second: ____ ____

IV. PRIOR PERMIT STATUS: *Check yes or no to each question:*

YES	NO		
☐	☒	1.	Did you file a PBR Notice of Intent to Operate (DTSC Form 8462) in 1992 for this location?
☒	☐	2.	Do you now have or have you ever held a state or federal hazardous waste facility full permit or interim status for any of these treatment units?
☐	☒	3.	Do you now have or have you ever held a state or federal full permit or interim status for any other hazardous waste activities at this location?
☐	☒	4.	Have you ever held a variance issued by the Department of Toxic Substances Control for the treatment you are now notifying for at this location?
☒	☐	5.	Has this location ever been inspected by the state or any local agency as a hazardous waste generator?

V. PRIOR ENFORCEMENT HISTORY: *Not required from generators only notifying as conditionally exempt.*

YES	NO	
☐	☒	Within the last three years, has this facility been the subject of any convictions, judgments, settlements, or final orders resulting from an action by any local, state, or federal environmental, hazardous waste, or public health enforcement agency?

(For the purposes of this form, a notice of violation does not constitute an order and need not be reported unless it was not corrected and became a final order.)

☐ If you answered Yes, check this box and attach a listing of convictions, judgments, settlements, or orders and a copy of the cover sheet from each document. (See the Instructions for more information)

VI. ATTACHMENTS:

[X] 1. A plot plan/map detailing the location(s) of the covered unit(s) in relation to the facility boundaries.

[X] 2. A unit specific notification form for each unit to be covered at this location.

VII. CERTIFICATIONS:

This form must be signed by an authorized corporate officer or any other person in the company who has operational control and performs decision-making functions that govern operation of the facility (per title 22, California Code of Regulations (CCR) section 66270.11). All three copies must have original signatures.

Waste Minimization I certify that I have a program in place to reduce the volume, quantity, and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Tiered Permitting Certification I certify that the unit or units described in these documents meet the eligibility and operating requirements of state statutes and regulations for the indicated permitting tier, including generator and secondary containment requirements. I understand that if any of the units operate under Permit by Rule or Conditional Authorization, I will also be required to provide required financial assurances by January 1, 1994, and conduct a Phase I environmental assessment by January 1, 1995.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete.

I am aware that there are substantial penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

John R. Fielder
Name (Print or Type)

Signature

Vice President, Regulatory Policy & Affairs
Title

11/24/93
Date Signed

OPERATING REQUIREMENTS:

Please note that generators treating hazardous waste onsite are required to comply with a number of operating requirements which differ depending on the tier(s) under which one operates. These operating requirements are set forth in the statutes and regulations, some of which are referenced in the Tier-Specific Factsheets.

SUBMISSION PROCEDURES:

You must submit two copies of this completed notification by certified mail, return receipt requested, to:

Department of Toxic Substances Control
Form 1772
Onsite Hazardous Waste Treatment Unit
400 P Street, 4th Floor (walk in only)
P.O. Box 806
Sacramento, CA 95812-0806.

You must also submit one copy of the notification and attachments to the local regulatory agency in your jurisdiction as listed in the instruction materials. You must also retain a copy as part of your operating record.

All three forms must have original signatures, not photocopies.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS

UNIT SPECIFIC NOTIFICATION

(pursuant to Health and Safety Code Section 25201.5(c))

UNIT NAME Container Crushing UNIT ID NUMBER Unit 1C

NUMBER OF TREATMENT DEVICES: ____ Tank(s) 1 Container(s)

Each unit must be clearly identified and labeled on the plot plan attached to Form 1772. Assign your own unique number to each unit. The number can be sequential (1, 2, 3) or using any system you choose.

Enter the estimated monthly total volume of hazardous waste treated by this unit. This should be the maximum or highest amount treated in any month. Indicate in the narrative (Section II) if your operations have seasonal variations.

I. WASTESTREAMS AND TREATMENT PROCESSES:

Estimated Monthly Total Volume Treated: 300 pounds and/or _____ gallons

The following are the eligible wastestreams and treatment processes. Please check all applicable boxes:

☐ 1. Treats resins mixed in accordance with the manufacturer's instructions.

☒ 2. Treat containers of 110 gallons or less capacity that contained hazardous waste by rinsing or physical processes, such as crushing, shredding, grinding, or puncturing.

☐ 3. Drying special wastes, as classified by the department pursuant to title 22, CCR, section 66261.124, by pressing or by passive or heat-aided evaporation to remove water.

☐ 4. Magnetic separation or screening to remove components from special waste, as classified by the department pursuant to title 22, CCR, section 66261.124.

☐ 5. Neutralize acidic or alkaline (base) wastes from the regeneration of ion exchange media used to demineralize water. (This waste cannot contain more than 10 percent acid or base by weight to be eligible for conditional exemption.)

☐ 6. Neutralize acidic or alkaline (base) wastes from the food processing industry.

☐ 7. Recovery of silver from photofinishing. The volume limit for conditional exemption is 500 gallons per generator (at the same location) in any calendar month.

8. Gravity separation of the following, including the use of flocculants and demulsifiers if

☐ a. The settling of solids from the waste where the resulting aqueous/liquid stream is not hazardous.

☐ b. The separation of oil/water mixtures and separation sludges, if the average oil recovered per month is less than 25 barrels (42 gallons per barrel).

☐ 9. Neutralizing acidic or alkaline (base) material by a state certified laboratory or a laboratory operated by an educational institution. (To be eligible for conditional exemption, this waste cannot contain more than 10 percent acid or base by weight.)

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

II. NARRATIVE DESCRIPTIONS: *Provide a brief description of the specific waste treated and the treatment process used.*

1. SPECIFIC WASTE TYPES TREATED: Aerosol cans, containers, drums.

2. TREATMENT PROCESS(ES) USED: Puncturing, drum crushing.

III. RESIDUAL MANAGEMENT: *Check Yes or No to each question as it applies to all residuals from this treatment unit.*

YES	NO	
☐	☒	1. Do you discharge non-hazardous aqueous waste to a publicly owned treatment works (POTW)/sewer?
☐	☒	2. Do you discharge non-hazardous aqueous waste under an NPDES permit?
☒	☐	3. Do you have your residual hazardous waste hauled offsite by a registered hazardous waste hauler? If you do, where is the waste sent? *Check all that apply.*
		☒ a. Offsite recycling
		☐ b. Thermal treatment
		☐ c. Disposal to land
		☒ d. Further treatment
☒	☐	4. Do you dispose of non-hazardous solid waste residues at an offsite location?
☒	☐	5. Other method of disposal. Specify: Scrap metal is recycled.

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT:

In order to demonstrate eligibility for one of the onsite treatment tiers, facilities are required to provide the basis for determining that a hazardous waste permit is not required under the federal Resource Conservation and Recovery Act (RCRA) and the federal regulations adopted under RCRA (Title 40, Code of Federal Regulations (CFR)).

Choose the reason(s) that describe the operation of your onsite treatment units:

☐ 1. The hazardous waste being treated is not a hazardous waste under federal law although it is regulated as a hazardous waste under California state law.

☐ 2. The waste is treated in wastewater treatment units (tanks), as defined in 40 CFR Part 260.10, and discharged to a publicly owned treatment works (POTW)/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT: (continued)

☐ 3. The waste is treated in elementary neutralization units, as defined in 40 CFR Part 260.10, and discharged to a POTW/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

☐ 4. The waste is treated in a totally enclosed treatment facility as defined in 40 CFR Part 260.10; 40 CFR 264.1(g)(5).

☐ 5. The company generates no more than 100 kg (approximately 27 gallons) of hazardous waste in a calendar month and is eligible as a federal conditionally exempt small quantity generator. 40 CFR 260.10 and 40 CFR 261.5.

☐ 6. The waste is treated in an accumulation tank or container within 90 days for over 1000 kg/month generators and 180 or 270 days for generators of 100 to 1000 kg/month. 40 CFR 262.34, 40 CFR 270.1(c)(2)(i), and the Preamble to the March 24, 1986 Federal Register.

☐ 7. Recyclable materials are reclaimed to recover economically significant amounts of silver or other precious metals. 40 CFR 261.6(a)(2)(iv), 40 CFR 264.1(g)(2), and 40 CFR 266.70.

☒ 8. Empty container rinsing and/or treatment. 40 CFR 261.7.

☐ 9. Other: Specify: _____

_____

V. TRANSPORTABLE TREATMENT UNIT: *Check Yes or No. Please refer to the Instructions for more information.*

YES	NO	
☐	☒	Is this unit a Transportable Treatment Unit?

If you answered yes, you must also complete and attach Form 1772E to this page.

The Tier-Specific Factsheets contain a summary of the operating requirements for this category. Please review those requirements carefully before completing or submitting this notification package.

Check Number

---Staple Check Here---

ONSITE HAZARDOUS WASTE TREATMENT NOTIFICATION FORM

FACILITY SPECIFIC NOTIFICATION

For Use by Hazardous Waste Generators Performing Treatment Under Conditional Exemption and Conditional Authorization, and by Permit By Rule Facilities

Corrected ☒ Initial ☐ Revised

Please refer to the attached Instructions before completing this form. You may notify for more than one permitting tier by using this notification form, DTSC 1772. You must attach a separate unit specific notification form for each unit at this location. There are different unit specific notification forms for each of the four categories and an additional notification form for transportable treatment units (TTU's). You only have to submit forms for the tier(s) that cover your unit(s). Discard or recycle the other unused forms. Number each page of your completed notification package and indicate the total number of pages at the top of each page at the 'Page __ of __'. Put your EPA ID Number on each page. Please provide all of the information requested; all fields must be completed except those that state 'if different' or 'if available'. Please type the information provided on this form and any attachments.

The notification will not be considered complete without payment of the appropriate fee for each tier under which you are operating. (Please note that the fee is per TIER not per UNIT. For example, if you operate 5 units but they are all Conditionally Authorized, you only owe $1,140, NOT 5 times $1,140. If you operate any Permit by Rule units and any units under Conditional Authorization you owe $2,280.) Checks should be made payable to the Department of Toxic Substances Control and be stapled to the top of this form. Please write your EPA ID Number on the check. Fill in the check number in the box above.

I. NOTIFICATION CATEGORIES

Indicate the number of units you operate in each tier. This will also be the number of unit specific notification forms you must attach. Conditionally Exempt Small Quantity Treatment operations may not operate units under any other tier.

Number of units and attached unit specific notifications				Fee per Tier (not per unit)
A.	___	Conditionally Exempt-Small Quantity Treatment	(Form DTSC 1772A)	$ 100
B.	1	Conditionally Exempt-Specified Wastestream	(Form DTSC 1772B)	$ 100
C.	___	Conditionally Authorized	(Form DTSC 1772C)	$1,140
D.	___	Permit by Rule	(Form DTSC 1772D)	$1,140
	1	Total Number of Units		Total Fee Attached $ 100

II. GENERATOR IDENTIFICATION

EPA ID NUMBER CA D 0 7 9 5 4 8 5 7 4 BOE NUMBER (if available) HF HQ 3 8 0 0 0 2 6 4

NAME (Company or Facility) Southern California Edison Co.
(DBA–Doing Business As)

PHYSICAL LOCATION Etiwanda Generating Station

8996 Etiwanda Avenue

CITY Etiwanda CA ZIP 91739 -____

For DTSC Use Only
Region_____

COUNTY San Bernardino

CONTACT PERSON David (First Name) Kay (Last Name) PHONE NUMBER (818) 302 - 2149

MAILING ADDRESS, IF DIFFERENT:

COMPANY NAME (DBA) Southern California Edison Co.

STREET Environmental Affairs

P.O. Box 800, Room 405

CITY Rosemead STATE CA ZIP 91770 -

COUNTRY _____ (only complete if not USA)

CONTACT PERSON David (First Name) Kay (Last Name) PHONE NUMBER(818) 302 - 2149

III. TYPE OF COMPANY: STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODE:

Use either one or two SIC codes (a four digit number) that best describe your company's products, services, or industrial activity.

Example: *7384 Photofinishing lab* *3672 Printed circuit boards*

First: 4911 Electric Utility Second: _____ _____

IV. PRIOR PERMIT STATUS: *Check yes or no to each question:*

YES	NO		
☐	☒	1.	Did you file a PBR Notice of Intent to Operate (DTSC Form 8462) in 1992 for this location?
☒	☐	2.	Do you now have or have you ever held a state or federal hazardous waste facility full permit or interim status for any of these treatment units?
☐	☒	3.	Do you now have or have you ever held a state or federal full permit or interim status for any other hazardous waste activities at this location?
☐	☒	4.	Have you ever held a variance issued by the Department of Toxic Substances Control for the treatment you are now notifying for at this location?
☒	☐	5.	Has this location ever been inspected by the state or any local agency as a hazardous waste generator?

V. PRIOR ENFORCEMENT HISTORY: *Not required from generators only notifying as conditionally exempt.*

YES	NO	
☐	☒	Within the last three years, has this facility been the subject of any convictions, judgments, settlements, or final orders resulting from an action by any local, state, or federal environmental, hazardous waste, or public health enforcement agency?

(For the purposes of this form, a notice of violation does not constitute an order and need not be reported unless it was not corrected and became a final order.)

☐ If you answered Yes, check this box and attach a listing of convictions, judgments, settlements, or orders and a copy of the cover sheet from each document. (See the Instructions for more information)

VI. ATTACHMENTS:

[X] 1. A plot plan/map detailing the location(s) of the covered unit(s) in relation to the facility boundaries.

[X] 2. A unit specific notification form for each unit to be covered at this location.

VII. CERTIFICATIONS: *This form must be signed by an authorized corporate officer or any other person in the company who has operational control and performs decision-making functions that govern operation of the facility (per title 22, California Code of Regulations (CCR) section 66270.11). All three copies must have original signatures.*

Waste Minimization I certify that I have a program in place to reduce the volume, quantity, and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Tiered Permitting Certification I certify that the unit or units described in these documents meet the eligibility and operating requirements of state statutes and regulations for the indicated permitting tier, including generator and secondary containment requirements. I understand that if any of the units operate under Permit by Rule or Conditional Authorization, I will also be required to provide required financial assurances by January 1, 1994, and conduct a Phase I environmental assessment by January 1, 1995.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete.

I am aware that there are substantial penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

John R. Fielder
Name (Print or Type)

Vice President, Regulatory Policy & Affairs
Title

Signature

11/24/93
Date Signed

OPERATING REQUIREMENTS:

Please note that generators treating hazardous waste onsite are required to comply with a number of operating requirements which differ depending on the tier(s) under which one operates. These operating requirements are set forth in the statutes and regulations, some of which are referenced in the Tier-Specific Factsheets.

SUBMISSION PROCEDURES:

You must submit two copies of this completed notification by certified mail, return receipt requested, to:

Department of Toxic Substances Control
Form 1772
Onsite Hazardous Waste Treatment Unit
400 P Street, 4th Floor (walk in only)
P.O. Box 806
Sacramento, CA 95812-0806.

You must also submit one copy of the notification and attachments to the local regulatory agency in your jurisdiction as listed in the instruction materials. You must also retain a copy as part of your operating record.

All three forms must have original signatures, not photocopies.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS

UNIT SPECIFIC NOTIFICATION

(pursuant to Health and Safety Code Section 25201.5(c))

UNIT NAME Container Crushing UNIT ID NUMBER Unit 1C

NUMBER OF TREATMENT DEVICES: ____ Tank(s) 1 Container(s)

Each unit must be clearly identified and labeled on the plot plan attached to Form 1772. Assign your own unique number to each unit. The number can be sequential (1, 2, 3) or using any system you choose.

Enter the estimated monthly total volume of hazardous waste treated by this unit. This should be the maximum or highest amount treated in any month. Indicate in the narrative (Section II) if your operations have seasonal variations.

I. WASTESTREAMS AND TREATMENT PROCESSES:

Estimated Monthly Total Volume Treated: 300 pounds and/or _____ gallons

The following are the eligible wastestreams and treatment processes. Please check all applicable boxes:

☐ 1. Treats resins mixed in accordance with the manufacturer's instructions.

☒ 2. Treat containers of 110 gallons or less capacity that contained hazardous waste by rinsing or physical processes, such as crushing, shredding, grinding, or puncturing.

☐ 3. Drying special wastes, as classified by the department pursuant to title 22, CCR, section 66261.124, by pressing or by passive or heat-aided evaporation to remove water.

☐ 4. Magnetic separation or screening to remove components from special waste, as classified by the department pursuant to title 22, CCR, section 66261.124.

☐ 5. Neutralize acidic or alkaline (base) wastes from the regeneration of ion exchange media used to demineralize water. (This waste cannot contain more than 10 percent acid or base by weight to be eligible for conditional exemption.)

☐ 6. Neutralize acidic or alkaline (base) wastes from the food processing industry.

☐ 7. Recovery of silver from photofinishing. The volume limit for conditional exemption is 500 gallons per generator (at the same location) in any calendar month.

8. Gravity separation of the following, including the use of flocculants and demulsifiers if

☐ a. The settling of solids from the waste where the resulting aqueous/liquid stream is not hazardous.

☐ b. The separation of oil/water mixtures and separation sludges, if the average oil recovered per month is less than 25 barrels (42 gallons per barrel).

☐ 9. Neutralizing acidic or alkaline (base) material by a state certified laboratory or a laboratory operated by an educational institution. (To be eligible for conditional exemption, this waste cannot contain more than 10 percent acid or base by weight.)

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

II. NARRATIVE DESCRIPTIONS: *Provide a brief description of the specific waste treated and the treatment process used.*

1. SPECIFIC WASTE TYPES TREATED: Aerosol cans, containers, drums.

2. TREATMENT PROCESS(ES) USED: Puncturing, drum crushing.

III. RESIDUAL MANAGEMENT: *Check Yes or No to each question as it applies to all residuals from this treatment unit.*

YES	NO	
☐	☒	1. Do you discharge non-hazardous aqueous waste to a publicly owned treatment works (POTW)/sewer?
☐	☒	2. Do you discharge non-hazardous aqueous waste under an NPDES permit?
☒	☐	3. Do you have your residual hazardous waste hauled offsite by a registered hazardous waste hauler? If you do, where is the waste sent? *Check all that apply.*
		☒ a. Offsite recycling
		☐ b. Thermal treatment
		☐ c. Disposal to land
		☒ d. Further treatment
☒	☐	4. Do you dispose of non-hazardous solid waste residues at an offsite location?
☒	☐	5. Other method of disposal. Specify: Scrap metal is recycled.

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT:

In order to demonstrate eligibility for one of the onsite treatment tiers, facilities are required to provide the basis for determining that a hazardous waste permit is not required under the federal Resource Conservation and Recovery Act (RCRA) and the federal regulations adopted under RCRA (Title 40, Code of Federal Regulations (CFR)).

Choose the reason(s) that describe the operation of your onsite treatment units:

☐ 1. The hazardous waste being treated is not a hazardous waste under federal law although it is regulated as a hazardous waste under California state law.

☐ 2. The waste is treated in wastewater treatment units (tanks), as defined in 40 CFR Part 260.10, and discharged to a publicly owned treatment works (POTW)/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT: (continued)

☐ 3. The waste is treated in elementary neutralization units, as defined in 40 CFR Part 260.10, and discharged to a POTW/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

☐ 4. The waste is treated in a totally enclosed treatment facility as defined in 40 CFR Part 260.10; 40 CFR 264.1(g)(5).

☐ 5. The company generates no more than 100 kg (approximately 27 gallons) of hazardous waste in a calendar month and is eligible as a federal conditionally exempt small quantity generator. 40 CFR 260.10 and 40 CFR 261.5.

☐ 6. The waste is treated in an accumulation tank or container within 90 days for over 1000 kg/month generators and 180 or 270 days for generators of 100 to 1000 kg/month. 40 CFR 262.34, 40 CFR 270.1(c)(2)(i), and the Preamble to the March 24, 1986 Federal Register.

☐ 7. Recyclable materials are reclaimed to recover economically significant amounts of silver or other precious metals. 40 CFR 261.6(a)(2)(iv), 40 CFR 264.1(g)(2), and 40 CFR 266.70.

☒ 8. Empty container rinsing and/or treatment. 40 CFR 261.7.

☐ 9. Other: Specify: _____

_____

V. TRANSPORTABLE TREATMENT UNIT: *Check Yes or No. Please refer to the Instructions for more information.*

YES	NO	
☐	☒	Is this unit a Transportable Treatment Unit?

If you answered yes, you must also complete and attach Form 1772E to this page.

The Tier-Specific Factsheets contain a summary of the operating requirements for this category. Please review those requirements carefully before completing or submitting this notification package.

d 105 4

FORM 1772--ADMINIS ATIVE REVIEW PROBLEM CHECKLIST

Facility Name: Southern California Edison ID #: CAD079548574

Check appropriate blocks for problems found (& explain if necessary)

☐ Second copy is missing

Facility Specific Form:

☐ Revised box checked

☐ I. Notification Categories -

- ☐ Tiers marked do not match type of forms filed
- ☐ Number of forms attached do not match total number of units
- ☐ Tier 'A' checked with other tiers.

☐ II. Generator Identification - Check all that apply

- ☐ EPA # incorrect/missing
- ☐ Name/Address incomplete
- ☐ Contact Person/Phone # missing

☐ III. Type of Company: Standard Industrial Classification Code - Code missing

☐ VI. Attachments - Missing (if there, mark boxes if necessary)
Certifications

- ☐ No signature/title/date
- ☐ Questionable title
- ☐ No original signature on both copies

Unit Specific Forms: Unit # Unit-ID

☐ Unit Name/Unit ID Number - Information missing

☒ Number of Treatment Devices - No number (x is unacceptable)

I. Wastestreams and Treatment Processes

- ☒ Total Volume Treated - No quantity
- ☐ Wastestreams - None marked (circle marked ones, top form only)

☐ II. Narrative Descriptions - Blank 1 2 (Circle blank section.)

☐ III. Residual Management - #3 - letter not checked when Yes (others can be blank)

☐ IV. Basis For Not Needing A Federal Permit - Nothing Marked

☐ V. Transportable Treatment Unit - If marked, set aside for special handling

Additional Comments/Problems: _____

Reviewed by Judi Santos Date: 6/23/93

Problems Handled by Lynn Campbell Date: 6/24/93

Rev. 4/17/93

Facility Name: _____ ID #: _____

Unit Specific Forms: Unit #_____

- ☐ Unit Name/Unit ID Number - Information missing
- ☐ Number of Treatment Devices - No number (x is unacceptable)
- I. Wastestreams and Treatment Processes
  - ☐ Total Volume Treated - No quantity
  - ☐ Wastestreams - None marked (circle marked ones, top form only)
- ☐ II. Narrative Descriptions - Blank 1 2 (Circle blank section.)
- ☐ III. Residual Management - #3 - letter not checked when Yes (others can be blank)
- ☐ IV. Basis For Not Needing A Federal Permit - Nothing Marked
- ☐ V. Transportable Treatment Unit - If marked, set aside for special handling

Additional Comments/Problems:_____

_____

Unit Specific Forms: Unit #_____

- ☐ Unit Name/Unit ID Number - Information missing
- ☐ Number of Treatment Devices - No number (x is unacceptable)
- I. Wastestreams and Treatment Processes
  - ☐ Total Volume Treated - No quantity
  - ☐ Wastestreams - None marked (circle marked ones, top form only)
- ☐ II. Narrative Descriptions - Blank 1 2 (Circle blank section.)
- ☐ III. Residual Management - #3 - letter not checked when Yes (others can be blank)
- ☐ IV. Basis For Not Needing A Federal Permit - Nothing Marked
- ☐ V. Transportable Treatment Unit - If marked, set aside for special handling

Additional Comments/Problems:_____

_____

Check Number

---Staple Check Here---

ONSITE HAZARDOUS WASTE TREATMENT NOTIFICATION FORM

FACILITY SPECIFIC NOTIFICATION

For Use by Hazardous Waste Generators Performing Treatment Under Conditional Exemption and Conditional Authorization, and by Permit By Rule Facilities

Corrected ☒ Initial ☐ Revised

Please refer to the attached Instructions before completing this form. You may notify for more than one permitting tier by using this notification form, DTSC 1772. You must attach a separate unit specific notification form for each unit at this location. There are different unit specific notification forms for each of the four categories and an additional notification form for transportable treatment units (TTU's). You only have to submit forms for the tier(s) that cover your unit(s). Discard or recycle the other unused forms. Number each page of your completed notification package and indicate the total number of pages at the top of each page at the 'Page __ of __'. Put your EPA ID Number on each page. Please provide all of the information requested; all fields must be completed except those that state 'if different' or 'if available'. Please type the information provided on this form and any attachments.

The notification will not be considered complete without payment of the appropriate fee for each tier under which you are operating. (Please note that the fee is per TIER not per UNIT. For example, if you operate 5 units but they are all Conditionally Authorized, you only owe $1,140, NOT 5 times $1,140. If you operate any Permit by Rule units and any units under Conditional Authorization you owe $2,280.) Checks should be made payable to the Department of Toxic Substances Control and be stapled to the top of this form. Please write your EPA ID Number on the check. Fill in the check number in the box above.

I. NOTIFICATION CATEGORIES

Indicate the number of units you operate in each tier. This will also be the number of unit specific notification forms you must attach. Conditionally Exempt Small Quantity Treatment operations may not operate units under any other tier.

Number of units and attached unit specific notifications				Fee per Tier (not per unit)
A.	___	Conditionally Exempt-Small Quantity Treatment	(Form DTSC 1772A)	$ 100
B.	1	Conditionally Exempt-Specified Wastestream	(Form DTSC 1772B)	$ 100
C.	___	Conditionally Authorized	(Form DTSC 1772C)	$1,140
D.	___	Permit by Rule	(Form DTSC 1772D)	$1,140
	1	Total Number of Units		Total Fee Attached $ 100

II. GENERATOR IDENTIFICATION

EPA ID NUMBER CA D 0 7 9 5 4 8 5 7 4 BOE NUMBER (if available) HF HQ 3 8 0 0 0 2 6 4

NAME (Company or Facility) Southern California Edison Co.
(DBA–Doing Business As)

PHYSICAL LOCATION Etiwanda Generating Station

8996 Etiwanda Avenue

CITY Etiwanda CA ZIP 91739 -

For DTSC Use Only
Region

COUNTY San Bernardino

CONTACT PERSON David (First Name) Kay (Last Name) PHONE NUMBER (818) 302 - 2149

MAILING ADDRESS, IF DIFFERENT:

COMPANY NAME (DBA) Southern California Edison Co.

STREET Environmental Affairs

P.O. Box 800, Room 405

CITY Rosemead STATE CA ZIP 91770 -

COUNTRY
(only complete if not USA)

CONTACT PERSON David (First Name) Kay (Last Name) PHONE NUMBER(818) 302 - 2149

III. TYPE OF COMPANY: STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODE:

Use either one or two SIC codes (a four digit number) that best describe your company's products, services, or industrial activity.

Example: *7384 Photofinishing lab* *3672 Printed circuit boards*

First: 4911 Electric Utility Second: _____

IV. PRIOR PERMIT STATUS: *Check yes or no to each question:*

YES	NO		
☐	☒	1.	Did you file a PBR Notice of Intent to Operate (DTSC Form 8462) in 1992 for this location?
☒	☐	2.	Do you now have or have you ever held a state or federal hazardous waste facility full permit or interim status for any of these treatment units?
☐	☒	3.	Do you now have or have you ever held a state or federal full permit or interim status for any other hazardous waste activities at this location?
☐	☒	4.	Have you ever held a variance issued by the Department of Toxic Substances Control for the treatment you are now notifying for at this location?
☒	☐	5.	Has this location ever been inspected by the state or any local agency as a hazardous waste generator?

V. PRIOR ENFORCEMENT HISTORY: *Not required from generators only notifying as conditionally exempt.*

YES	NO	
☐	☒	Within the last three years, has this facility been the subject of any convictions, judgments, settlements, or final orders resulting from an action by any local, state, or federal environmental, hazardous waste, or public health enforcement agency?

(For the purposes of this form, a notice of violation does not constitute an order and need not be reported unless it was not corrected and became a final order.)

☐ If you answered Yes, check this box and attach a listing of convictions, judgments, settlements, or orders and a copy of the cover sheet from each document. (See the Instructions for more information)

VI. ATTACHMENTS:

[X] 1. A plot plan/map detailing the location(s) of the covered unit(s) in relation to the facility boundaries.

[X] 2. A unit specific notification form for each unit to be covered at this location.

VII. CERTIFICATIONS:

This form must be signed by an authorized corporate officer or any other person in the company who has operational control and performs decision-making functions that govern operation of the facility (per title 22, California Code of Regulations (CCR) section 66270.11). All three copies must have original signatures.

Waste Minimization I certify that I have a program in place to reduce the volume, quantity, and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Tiered Permitting Certification I certify that the unit or units described in these documents meet the eligibility and operating requirements of state statutes and regulations for the indicated permitting tier, including generator and secondary containment requirements. I understand that if any of the units operate under Permit by Rule or Conditional Authorization, I will also be required to provide required financial assurances by January 1, 1994, and conduct a Phase I environmental assessment by January 1, 1995.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete.

I am aware that there are substantial penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

John R. Fielder
Name (Print or Type)

Signature

Vice President, Regulatory Policy & Affairs
Title

11/24/93
Date Signed

OPERATING REQUIREMENTS:

Please note that generators treating hazardous waste onsite are required to comply with a number of operating requirements which differ depending on the tier(s) under which one operates. These operating requirements are set forth in the statutes and regulations, some of which are referenced in the Tier-Specific Factsheets.

SUBMISSION PROCEDURES:

You must submit two copies of this completed notification by certified mail, return receipt requested, to:

Department of Toxic Substances Control
Form 1772
Onsite Hazardous Waste Treatment Unit
400 P Street, 4th Floor (walk in only)
P.O. Box 806
Sacramento, CA 95812-0806.

You must also submit one copy of the notification and attachments to the local regulatory agency in your jurisdiction as listed in the instruction materials. You must also retain a copy as part of your operating record.

All three forms must have original signatures, not photocopies.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS

UNIT SPECIFIC NOTIFICATION

(pursuant to Health and Safety Code Section 25201.5(c))

UNIT NAME Container Crushing UNIT ID NUMBER Unit 1C

NUMBER OF TREATMENT DEVICES: ____ Tank(s) 1 Container(s)

Each unit must be clearly identified and labeled on the plot plan attached to Form 1772. Assign your own unique number to each unit. The number can be sequential (1, 2, 3) or using any system you choose.

Enter the estimated monthly total volume of hazardous waste treated by this unit. This should be the maximum or highest amount treated in any month. Indicate in the narrative (Section II) if your operations have seasonal variations.

I. WASTESTREAMS AND TREATMENT PROCESSES:

Estimated Monthly Total Volume Treated: 300 pounds and/or _____ gallons

The following are the eligible wastestreams and treatment processes. Please check all applicable boxes:

☐ 1. Treats resins mixed in accordance with the manufacturer's instructions.

☒ 2. Treat containers of 110 gallons or less capacity that contained hazardous waste by rinsing or physical processes, such as crushing, shredding, grinding, or puncturing.

☐ 3. Drying special wastes, as classified by the department pursuant to title 22, CCR, section 66261.124, by pressing or by passive or heat-aided evaporation to remove water.

☐ 4. Magnetic separation or screening to remove components from special waste, as classified by the department pursuant to title 22, CCR, section 66261.124.

☐ 5. Neutralize acidic or alkaline (base) wastes from the regeneration of ion exchange media used to demineralize water. (This waste cannot contain more than 10 percent acid or base by weight to be eligible for conditional exemption.)

☐ 6. Neutralize acidic or alkaline (base) wastes from the food processing industry.

☐ 7. Recovery of silver from photofinishing. The volume limit for conditional exemption is 500 gallons per generator (at the same location) in any calendar month.

8. Gravity separation of the following, including the use of flocculants and demulsifiers if

☐ a. The settling of solids from the waste where the resulting aqueous/liquid stream is not hazardous.

☐ b. The separation of oil/water mixtures and separation sludges, if the average oil recovered per month is less than 25 barrels (42 gallons per barrel).

☐ 9. Neutralizing acidic or alkaline (base) material by a state certified laboratory or a laboratory operated by an educational institution. (To be eligible for conditional exemption, this waste cannot contain more than 10 percent acid or base by weight.)

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

II. NARRATIVE DESCRIPTIONS: *Provide a brief description of the specific waste treated and the treatment process used.*

1. SPECIFIC WASTE TYPES TREATED: Aerosol cans, containers, drums.

2. TREATMENT PROCESS(ES) USED: Puncturing, drum crushing.

III. RESIDUAL MANAGEMENT: *Check Yes or No to each question as it applies to all residuals from this treatment unit.*

YES	NO	
☐	☒	1. Do you discharge non-hazardous aqueous waste to a publicly owned treatment works (POTW)/sewer?
☐	☒	2. Do you discharge non-hazardous aqueous waste under an NPDES permit?
☒	☐	3. Do you have your residual hazardous waste hauled offsite by a registered hazardous waste hauler? If you do, where is the waste sent? *Check all that apply.*
		☒ a. Offsite recycling
		☐ b. Thermal treatment
		☐ c. Disposal to land
		☒ d. Further treatment
☒	☐	4. Do you dispose of non-hazardous solid waste residues at an offsite location?
☒	☐	5. Other method of disposal. Specify: Scrap metal is recycled.

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT:

In order to demonstrate eligibility for one of the onsite treatment tiers, facilities are required to provide the basis for determining that a hazardous waste permit is not required under the federal Resource Conservation and Recovery Act (RCRA) and the federal regulations adopted under RCRA (Title 40, Code of Federal Regulations (CFR)).

Choose the reason(s) that describe the operation of your onsite treatment units:

☐ 1. The hazardous waste being treated is not a hazardous waste under federal law although it is regulated as a hazardous waste under California state law.

☐ 2. The waste is treated in wastewater treatment units (tanks), as defined in 40 CFR Part 260.10, and discharged to a publicly owned treatment works (POTW)/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT: (continued)

☐ 3. The waste is treated in elementary neutralization units, as defined in 40 CFR Part 260.10, and discharged to a POTW/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

☐ 4. The waste is treated in a totally enclosed treatment facility as defined in 40 CFR Part 260.10; 40 CFR 264.1(g)(5).

☐ 5. The company generates no more than 100 kg (approximately 27 gallons) of hazardous waste in a calendar month and is eligible as a federal conditionally exempt small quantity generator. 40 CFR 260.10 and 40 CFR 261.5.

☐ 6. The waste is treated in an accumulation tank or container within 90 days for over 1000 kg/month generators and 180 or 270 days for generators of 100 to 1000 kg/month. 40 CFR 262.34, 40 CFR 270.1(c)(2)(i), and the Preamble to the March 24, 1986 Federal Register.

☐ 7. Recyclable materials are reclaimed to recover economically significant amounts of silver or other precious metals. 40 CFR 261.6(a)(2)(iv), 40 CFR 264.1(g)(2), and 40 CFR 266.70.

☒ 8. Empty container rinsing and/or treatment. 40 CFR 261.7.

☐ 9. Other: Specify: _____

_____

V. TRANSPORTABLE TREATMENT UNIT: *Check Yes or No. Please refer to the Instructions for more information.*

YES	NO	
☐	☒	Is this unit a Transportable Treatment Unit?

If you answered yes, you must also complete and attach Form 1772E to this page.

The Tier-Specific Factsheets contain a summary of the operating requirements for this category. Please review those requirements carefully before completing or submitting this notification package.

Southern California Edison Company
P. O. BOX 800
2244 WALNUT GROVE AVENUE
ROSEMEAD, CALIFORNIA 91770

ENVIRONMENTAL
HEALTH SERVICES
93 DEC 15 PM 2:40

Cor' File

December 10, 1993

Ms. Pamela Bennett, Director
Department of Environmental Health Services
San Bernardino County
385 North Arrowhead Avenue
San Bernardino, CA 92415-0160

Ladies and Gentlemen:

SUBJECT: TIERED PERMIT APPLICATIONS FOR HAZARDOUS WASTE TREATMENT UNITS

Southern California Edison Company has has revised its applications for Tiered Permits for hazardous waste treatment units located at facilities within your jurisdiction. As required by the California Department of Toxic Substances Control, enclosed for your information are signed copies of the Tiered Permit application forms submitted to the state for those facilities.

Please call me at (818) 302-2149 if you should have any questions.

Sincerely,

DAVID W. KAY, D. Env.
Sr. Environmental Specialist

Southern California Edison Company
P. O. BOX 800
2244 WALNUT GROVE AVENUE
ROSEMEAD, CALIFORNIA 91770

November 22, 1993

Mr. Raymond J. Campbell
Department of Toxic Substances Control
Facility Management Branch, Region 4
245 West Broadway, Suite 425
Long Beach, CA 90802

Dear Mr. Campbell:

SUBJECT: WITHDRAWAL OF TIERED PERMIT APPLICATIONS TO ADDRESS IDENTIFIED DEFICIENCIES

Enclosed are corrected Facility Specific and Unit Specific Notification Forms for Redondo, Long Beach, Alamitos, Huntington Beach, Highgrove, San Bernardino, Etiwanda and Cool Water Generating Stations. This letter responds to several form letters dated October 14, 1993 that you sent to Mr. Chris Johnson of my staff indicating deficiencies in previously submitted permit applications. We have discussed this matter by phone on several occasions.

Edison no longer believes that Tiered Permits are required for the oil-water separators at its facilities, since we believe the influents to these separators are not hazardous and therefore the separators themselves are not regulated as hazardous waste treatment units. Edison is in the process of sampling and analyzing these influents to confirm our presumption that they are non-hazardous.

In addition, your office advised Edison that the demineralizer regenerants reused for cooling tower water treatment at Cool Water and Etiwanda Generating Stations are also not regulated as hazardous wastes if they are collected and neutralized in a tank. Since a tank is currently in use for this process at Cool Water and a tank is scheduled for construction at Etiwanda, and because demineralizer regeneration at the other stations is now performed offsite by a contractor, Edison believes it no longer requires Tiered Permits for these activities.

Consequently, Edison is submitting Unit Specific Notifications only for container crushing activities at these facilities. The previously submitted notifications for oil-water separators and demineralizers are withdrawn.

Finally, Edison's decision to not seek permits for the reuse of demineralizer regenerants at Etiwanda and Cool Water is based primarily on advice from your office that the activity would be exempt from regulation provided collection and neutralization occur in a tank. If this is not the Department's position, **please advise Edison immediately.** Furthermore, Edison reserves the right to resubmit permit applications for any of the aforementioned processes in the future should the Department's position on their regulation change and/or if Edison changes the nature of the processes or activities themselves or if analytical data indicates that hazardous wastes are being treated.

Please call Dr. David W. Kay of my staff at (818) 302-2149 if you should have any questions.

Sincerely,

ROBERT V.D. REID
Supervisor, Water and Waste

bc: D. W. Kay
A. M. Lawlor
G. J. Hoxeng

Southern California Edison Company

P. O. BOX 800

2244 WALNUT GROVE AVENUE

ROSEMEAD, CALIFORNIA 91770

November 22, 1993

Mr. Raymond J. Campbell
Department of Toxic Substances Control
Facility Management Branch, Region 4
245 West Broadway, Suite 425
Long Beach, CA 90802

Dear Mr. Campbell:

SUBJECT: WITHDRAWAL OF TIERED PERMIT APPLICATIONS TO ADDRESS IDENTIFIED DEFICIENCIES

Enclosed are corrected Facility Specific and Unit Specific Notification Forms for Redondo, Long Beach, Alamitos, Huntington Beach, Highgrove, San Bernardino, Etiwanda and Cool Water Generating Stations. This letter responds to several form letters dated October 14, 1993 that you sent to Mr. Chris Johnson of my staff indicating deficiencies in previously submitted permit applications. We have discussed this matter by phone on several occasions.

Edison no longer believes that Tiered Permits are required for the oil-water separators at its facilities, since we believe the influents to these separators are not hazardous and therefore the separators themselves are not regulated as hazardous waste treatment units. Edison is in the process of sampling and analyzing these influents to confirm our presumption that they are non-hazardous.

In addition, your office advised Edison that the demineralizer regenerants reused for cooling tower water treatment at Cool Water and Etiwanda Generating Stations are also not regulated as hazardous wastes if they are collected and neutralized in a tank. Since a tank is currently in use for this process at Cool Water and a tank is scheduled for construction at Etiwanda, and because demineralizer regeneration at the other stations is now performed offsite by a contractor, Edison believes it no longer requires Tiered Permits for these activities.

Consequently, Edison is submitting Unit Specific Notifications only for container crushing activities at these facilities. The previously submitted notifications for oil-water separators and demineralizers are withdrawn.

Finally, Edison's decision to not seek permits for the reuse of demineralizer regenerants at Etiwanda and Cool Water is based primarily on advice from your office that the activity would be exempt from regulation provided collection and neutralization occur in a tank. If this is not the Department's position, please advise Edison immediately. Furthermore, Edison reserves the right to resubmit permit applications for any of the aforementioned processes in the future should the Department's position on their regulation change and/or if Edison changes the nature of the processes or activities themselves or if analytical data indicates that hazardous wastes are being treated.

Please call Dr. David W. Kay of my staff at (818) 302-2149 if you should have any questions.

Sincerely,

ROBERT V.D. REID
Supervisor, Water and Waste

STATE OF CALIFORNIA

OFFICE MEMO
STD. 100 (REV. 10-91)

DATE 2/17/94

TO
Sonia Clyde

ROOM/STA. NO. 453

FROM
RAYMOND Sonia

PHONE NUMBER 4892 ATSS ☐

ROOM/STA. NO. 455

SUBJECT Southern California Edison

Headquarters has sent these problem checklists back to us in Region 4 (me).

They have to get the 2nd copy of the forms that they 1st received and ~~the~~ sent it back.

These forms were sent back in November of 1993, after SCE O.K.'d the removal of the oil/water separators + demolition of the Tiered Permitting Application.

I have included a copy of a letter from SCE explaining that only the container crushers were needed for the T.P. - Conditional Exemptions. Please Comment! Thank You!

STATE OF CALIFORNIA—ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, *Governor*

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
400 P Street, 4th Floor
P.O. Box 806
Sacramento, CA 95812-0806

(916) 323-5871

09/07/93

EPA ID: CAD000633131

UNOCAL COLTON TERMINAL
ROLAND PARKER
2301 S. RIVERSIDE AVE.
BLOOMINGTON, CA 92316

For facility located at:

2301 S. RIVERSIDE AVE.
BLOOMINGTON, CA 92316

Authorization Date: 09/07/93

Dear Conditionally Authorized and/or Conditionally Exempt Facility:

ACKNOWLEDGEMENT OF UNITS OPERATING UNDER CONDITIONAL AUTHORIZATION AND/OR CONDITIONAL EXEMPTION

The Department of Toxic Substances Control (DTSC) has received your facility specific notification (form DTSC 1772) and forms for Conditional Authorization and/or Conditional Exemption for Specified Wastestreams (form DTSC 1772B and/or 1772C). Your notifications are administratively complete, but have not been reviewed for technical adequacy. A technical review of your notifications will be conducted when an inspection is performed. At any time, you may be inspected and will be subject to penalty if violations of laws or regulations are found.

The Department acknowledges receipt of your completed notification for the treatment unit(s) listed on the last page of this letter. These units operating under Conditional Authorization or Conditional Exemption are authorized by California law without additional Department action, pursuant to Health and Safety Code sections 25200.3 and 25201.5. Your authorization to operate continues until you notify DTSC that you have stopped treating waste and have fully closed the unit(s). You will be charged annual fees calculated on a calendar year basis for each year you operate and have not notified DTSC that the units have been closed.

You must notify the DTSC 60 days before first treating hazardous wastes in any new unit. You must also notify the DTSC whenever any of the information you provided in these notifications changes. To revise information, mail a cover letter to the above address explaining the changes, attach only the pages of your notification package that have changed, and re-sign and date at the signature space on page 3 of form 1772.

Your status to operate under Conditional Authorization and/or Conditional Exemption is contingent upon the accuracy of information submitted by you in the notifications mentioned above, and your compliance with all applicable requirements in the Health and Safety Code. Any misrepresentation or any failure to fully disclose all relevant facts shall render your authorization to operate null and void.

You are also required to properly close any treatment unit. Additional guidance on closure will be issued and distributed to all authorized onsite facilities later this year.

RECEIVED
MAY 13 1997
COUNTY FIRE DEPARTMENT
HAZARDOUS MATERIALS

recycled paper

If you have any questions regarding this letter, or have questions on operating requirements for your facility, please contact the nearest DTSC regional office, or this office at the letterhead address or phone number.

Sincerely,

for

Michael S. Horner, Chief
Onsite Hazardous Waste Treatment Unit
Permit Streamlining Branch
Hazardous Waste Management Program

Enclosure

cc: SONIA LOW
DTSC REGION 4 OFFICE
SURVEILLANCE & ENFORCEMENT BR.
245 WEST BROADWAY, SUITE 350
LONG BEACH, CA 90802

PAMELLA BENNETT
SAN BERNARDINO COUNTY
ENVIRONMENTAL HEALTH SERVICES
ENV.MANAGEMENT GROUP
385 NORTH ARROWHEAD AVENUE
SAN BERNARDINO, CA 92415-0160

ENCLOSURE 1

Units authorized to operate at this location:

UNDER CONDITIONAL AUTHORIZATION:

UNDER CONDITIONAL EXEMPTION:

0109-1 0109-2

Check Number
001228

CID#
92 00018

Staple Check Here

ONSITE HAZARDOUS WASTE TREATMENT NOTIFICATION FORM

FACILITY SPECIFIC NOTIFICATION

For Use by Hazardous Waste Generators Performing Treatment
Under Conditional Exemption and Conditional Authorization,
and by Permit By Rule Facilities

☒ Initial
☐ Revised

Please refer to the attached Instructions before completing this form. You may notify for more than one permitting tier by using this notification form, DTSC 1772. You must attach a separate unit specific notification form for each unit at this location. There are different unit specific notification forms for each of the four categories and an additional notification form for transportable treatment units (TTU's). You only have to submit forms for the tier(s) that cover your unit(s). Discard or recycle the other unused forms. Number each page of your completed notification package and indicate the total number of pages at the top of each page at the 'Page __ of __'. Put your EPA ID Number on each page. Please provide all of the information requested; all fields must be completed except those that state 'if different' or 'if available'. Please type the information provided on this form and any attachments.

The notification will not be considered complete without payment of the appropriate fee for each tier under which you are operating. (Please note that the fee is per TIER not per UNIT. For example, if you operate 5 units but they are all Conditionally Authorized, you only owe $1,140, NOT 5 times $1,140. If you operate any Permit by Rule units and any units under Conditional Authorization you owe $2,280.) Checks should be made payable to the Department of Toxic Substances Control and be stapled to the top of this form. Please fill in the check number in the box above.

I. NOTIFICATION CATEGORIES

Indicate the number of units you operate in each tier. This will also be the number of unit specific notification forms you must attach. ***Conditionally Exempt Small Quantity Treatment operations may not operate units under any other tier.***

Number of units and attached unit specific notifications			Fee per Tier (not per unit)
A.	0	Conditionally Exempt-Small Quantity Treatment (Form DTSC 1772A)	$ 100
B.	2	Conditionally Exempt-Specified Wastestream (Form DTSC 1772B)	$ 100
C.	0	Conditionally Authorized (Form DTSC 1772C)	$1,140
D.	0	Permit by Rule (Form DTSC 1772D)	$1,140
	====		==========
	2	Total Number of Units	Total Fee Attached $ 100.

Toxic Substances Control Program
Surveillance & Enforcement Branch
APR 01 1993
California Department of Health Services
SACRAMENTO

II. GENERATOR IDENTIFICATION

EPA ID NUMBER CA D000633131 — BOE NUMBER (if available) H Y HQ 36008001

NAME (Company or Facility) Unocal Colton Terminal
(DBA–Doing Business As)
PHYSICAL LOCATION 2301 S. Riverside Ave.

10/20/94

CITY Bloomington CA ZIP 92316 -

For DTSC Use Only
Region 4

COUNTY San Bernadino

CONTACT PERSON Roland (First Name) Parker (Last Name) PHONE NUMBER (909) 877 - 6575

MAILING ADDRESS, IF DIFFERENT:

COMPANY NAME (DBA) SAME

STREET _____

_____

CITY _____ STATE ___ ZIP _____-_____

COUNTRY _____
(only complete if not USA)

CONTACT PERSON SAME _____ PHONE NUMBER(____)_____-_____
(First Name) (Last Name)

III. TYPE OF COMPANY: STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODE:

Use either one or two SIC codes (a four digit number) that best describe your company's products, services, or industrial activity.

Example: *7384 Photofinishing lab* *3672 Printed circuit boards*

First: 5171 Petroleum Terminal (Wholesale) Second: _____ _____

IV. PRIOR PERMIT STATUS: *Check yes or no to each question:*

YES	NO		
☐	☒	1.	Did you file a PBR Notice of Intent to Operate (DTSC Form 8462) in 1992 for this location?
☐	☒	2.	Do you now have or have you ever held a state or federal hazardous waste facility full permit or interim status for any of these treatment units?
☐	☒	3.	Do you now have or have you ever held a state or federal full permit or interim status for any other hazardous waste activities at this location?
☐	☒	4.	Have you ever held a variance issued by the Department of Toxic Substances Control for the treatment you are now notifying for at this location?
☒	☐	5.	Has this location ever been inspected by the state or any local agency as a hazardous waste generator? (Dept. of Env. Health Services, San Bernadino County)

V. PRIOR ENFORCEMENT HISTORY: *Not required from generators only notifying as conditionally exempt.*

YES	NO	
☐	☒	Within the last three years, has this facility been the subject of any convictions, judgments, settlements, or final orders resulting from an action by any local, state, or federal environmental, hazardous waste, or public health enforcement agency?

(For the purposes of this form, a notice of violation does not constitute an order and need not be reported unless it was not corrected and became a final order.)

☐ If you answered Yes, check this box and attach a listing of convictions, judgments, settlements, or orders and a copy of the cover sheet from each document. (See the Instructions for more information)

VI. ATTACHMENTS:

[X] 1. A plot plan/map detailing the location(s) of the covered unit(s) in relation to the facility boundaries.

[X] 2. A unit specific notification form for each unit to be covered at this location.

VII. CERTIFICATIONS:

This form must be signed by an authorized corporate officer or any other person in the company who has operational control and performs decision-making functions that govern operation of the facility (per title 22, California Code of Regulations (CCR) section 66270.11). ***All three copies must have original signatures.***

Waste Minimization I certify that I have a program in place to reduce the volume, quantity, and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Tiered Permitting Certification I certify that the unit or units described in these documents meet the eligibility and operating requirements of state statutes and regulations for the indicated permitting tier, including generator and secondary containment requirements. I understand that if any of the units operate under Permit by Rule or Conditional Authorization, I will also be required to provide required financial assurances by January 1, 1994, and conduct a Phase I environmental assessment by January 1, 1995.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete.

I am aware that there are substantial penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

MICHAEL R. CALDWELL
Name (Print or Type)

MANAGER OPERATIONS
Title

M.R. Caldwell
Signature

3/26/93
Date Signed

OPERATING REQUIREMENTS:

Please note that generators treating hazardous waste onsite are required to comply with a number of operating requirements which differ depending on the tier(s) under which one operates. These operating requirements are set forth in the statutes and regulations, some of which are referenced in the Tier-Specific Factsheets.

SUBMISSION PROCEDURES:

You must ***submit two copies*** *of this completed notification by certified mail, return receipt requested, to:*

Department of Toxic Substances Control
Form 1772
Onsite Hazardous Waste Treatment Unit
400 P Street, 4th Floor (walk in only)
P.O. Box 806
Sacramento, CA 95812-0806.

You must also ***submit one copy*** *of the notification and attachments to the local regulatory agency in your jurisdiction as listed in the instruction materials. You must also retain a copy as part of your operating record.*

All three forms must have original signatures, not photocopies.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS

UNIT SPECIFIC NOTIFICATION

(pursuant to Health and Safety Code Section 25201.5(c))

UNIT NAME Process water separator system **UNIT ID NUMBER** 0109-1

NUMBER OF TREATMENT DEVICES: 2 Tank(s) ____ Container(s)

Each unit must be clearly identified and labeled on the plot plan attached to Form 1772. Assign your own unique number to each unit. The number can be sequential (1, 2, 3) or using any system you choose.

Enter the estimated monthly total volume of hazardous waste treated by this unit. This should be the maximum or highest amount treated in any month. Indicate in the narrative (Section II) if your operations have seasonal variations.

I. WASTESTREAMS AND TREATMENT PROCESSES:

Estimated Monthly Total Volume Treated: _____ pounds and/or 500 gallons

The following are the eligible wastestreams and treatment processes. Please check all applicable boxes:

☐ 1. Treats resins mixed in accordance with the manufacturer's instructions.

☐ 2. Treat containers of 110 gallons or less capacity that contained hazardous waste by rinsing or physical processes, such as crushing, shredding, grinding, or puncturing.

☐ 3. Drying special wastes, as classified by the department pursuant to title 22, CCR, section 66261.124, by pressing or by passive or heat-aided evaporation to remove water.

☐ 4. Magnetic separation or screening to remove components from special waste, as classified by the department pursuant to title 22, CCR, section 66261.124.

☐ 5. Neutralize acidic or alkaline (base) wastes from the regeneration of ion exchange media used to demineralize water. (This waste cannot contain more than 10 percent acid or base by weight to be eligible for conditional exemption.)

☐ 6. Neutralize acidic or alkaline (base) wastes from the food processing industry.

☐ 7. Recovery of silver from photofinishing. The volume limit for conditional exemption is 500 gallons per generator (at the same location) in any calendar month.

8. Gravity separation of the following, including the use of flocculants and demulsifiers if

☐ a. The settling of solids from the waste where the resulting aqueous/liquid stream is not hazardous.

☒ b. The separation of oil/water mixtures and separation sludges, if the average oil recovered per month is less than 25 barrels (42 gallons per barrel).

☐ 9. Neutralizing acidic or alkaline (base) material by a state certified laboratory or a laboratory operated by an educational institution. (To be eligible for conditional exemption, this waste cannot contain more than 10 percent acid or base by weight.)

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

II. NARRATIVE DESCRIPTIONS: *Provide a brief description of the specific waste treated and the treatment process used.*

1. SPECIFIC WASTE TYPES TREATED: Tank water draws, load rack residue, pump area drainage, tank farm area, storm water separator effluent

2. TREATMENT PROCESS(ES) USED: Gravity separator with charcoal filter polishing

III. RESIDUAL MANAGEMENT: *Check Yes or No to each question as it applies to all residuals from this treatment unit.*

YES	NO	
[X]	[ ]	1. Do you discharge non-hazardous aqueous waste to a publicly owned treatment works (POTW)/sewer?
[ ]	[X]	2. Do you discharge non-hazardous aqueous waste under an NPDES permit?
[ ]	[X]	3. Do you have your residual hazardous waste hauled offsite by a registered hazardous waste hauler? If you do, where is the waste sent? *Check all that apply.*

- [ ] a. Offsite recycling
- [ ] b. Thermal treatment
- [ ] c. Disposal to land
- [ ] d. Further treatment

[ ]	[X]	4. Do you dispose of non-hazardous solid waste residues at an offsite location?
[X]	[ ]	5. Other method of disposal. Specify: Skimmed product is routinely hauled directly to Unocal LA Terminal as "transmix" and injected into product stock. (Average of 50 gallons/month).

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT:

In order to demonstrate eligibility for one of the onsite treatment tiers, facilities are required to provide the basis for determining that a hazardous waste permit is not required under the federal Resource Conservation and Recovery Act (RCRA) and the federal regulations adopted under RCRA (Title 40, Code of Federal Regulations (CFR)).

Choose the reason(s) that describe the operation of your onsite treatment units:

- [ ] 1. The hazardous waste being treated is not a hazardous waste under federal law although it is regulated as a hazardous waste under California state law.
- [X] 2. The waste is treated in wastewater treatment units (tanks), as defined in 40 CFR Part 260.10, and discharged to a publicly owned treatment works (POTW)/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT: (continued)

☐ 3. The waste is treated in elementary neutralization units, as defined in 40 CFR Part 260.10, and discharged to a POTW/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

☐ 4. The waste is treated in a totally enclosed treatment facility as defined in 40 CFR Part 260.10; 40 CFR 264.1(g)(5).

☐ 5. The company generates no more than 100 kg (approximately 27 gallons) of hazardous waste in a calendar month and is eligible as a federal conditionally exempt small quantity generator. 40 CFR 260.10 and 40 CFR 261.5.

☒ 6. The waste is treated in an accumulation tank or container within 90 days for over 1000 kg/month generators and 180 or 270 days for generators of 100 to 1000 kg/month. 40 CFR 262.34, 40 CFR 270.1(c)(2)(i), and the Preamble to the March 24, 1986 Federal Register.

☐ 7. Recyclable materials are reclaimed to recover economically significant amounts of silver or other precious metals. 40 CFR 261.6(a)(2)(iv), 40 CFR 264.1(g)(2), and 40 CFR 266.70.

☐ 8. Empty container rinsing and/or treatment. 40 CFR 261.7.

☐ 9. Other: Specify: _____

_____

V. TRANSPORTABLE TREATMENT UNIT: *Check Yes or No. Please refer to the Instructions for more information.*

YES	NO	
☐	☒	Is this unit a Transportable Treatment Unit?

If you answered yes, you must also complete and attach Form 1772E to this page.

The Tier-Specific Factsheets contain a summary of the operating requirements for this category. Please review those requirements carefully before completing or submitting this notification package.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS

UNIT SPECIFIC NOTIFICATION

(pursuant to Health and Safety Code Section 25201.5(c))

UNIT NAME Storm water separator system UNIT ID NUMBER 0109-2

NUMBER OF TREATMENT DEVICES: 3 Tank(s) ____ Container(s)

Each unit must be clearly identified and labeled on the plot plan attached to Form 1772. Assign your own unique number to each unit. The number can be sequential (1, 2, 3) or using any system you choose.

Enter the estimated monthly total volume of hazardous waste treated by this unit. This should be the maximum or highest amount treated in any month. Indicate in the narrative (Section II) if your operations have seasonal variations.

I. WASTESTREAMS AND TREATMENT PROCESSES:

Estimated Monthly Total Volume Treated: _____ pounds and/or 3,500 gallons

The following are the eligible wastestreams and treatment processes. Please check all applicable boxes:

☐ 1. Treats resins mixed in accordance with the manufacturer's instructions.

☐ 2. Treat containers of 110 gallons or less capacity that contained hazardous waste by rinsing or physical processes, such as crushing, shredding, grinding, or puncturing.

☐ 3. Drying special wastes, as classified by the department pursuant to title 22, CCR, section 66261.124, by pressing or by passive or heat-aided evaporation to remove water.

☐ 4. Magnetic separation or screening to remove components from special waste, as classified by the department pursuant to title 22, CCR, section 66261.124.

☐ 5. Neutralize acidic or alkaline (base) wastes from the regeneration of ion exchange media used to demineralize water. (This waste cannot contain more than 10 percent acid or base by weight to be eligible for conditional exemption.)

☐ 6. Neutralize acidic or alkaline (base) wastes from the food processing industry.

☐ 7. Recovery of silver from photofinishing. The volume limit for conditional exemption is 500 gallons per generator (at the same location) in any calendar month.

8. Gravity separation of the following, including the use of flocculants and demulsifiers if

☐ a. The settling of solids from the waste where the resulting aqueous/liquid stream is not hazardous.

☒ b. The separation of oil/water mixtures and separation sludges, if the average oil recovered per month is less than 25 barrels (42 gallons per barrel).

☐ 9. Neutralizing acidic or alkaline (base) material by a state certified laboratory or a laboratory operated by an educational institution. (To be eligible for conditional exemption, this waste cannot contain more than 10 percent acid or base by weight.)

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

II. NARRATIVE DESCRIPTIONS: *Provide a brief description of the specific waste treated and the treatment process used.*

1. SPECIFIC WASTE TYPES TREATED: Tank truck off-loading rack residue, yard drains.

2. TREATMENT PROCESS(ES) USED: Gravity separation, then routed through process water separator system (Unit ID# 0109-1).

III. RESIDUAL MANAGEMENT: *Check Yes or No to each question as it applies to all residuals from this treatment unit.*

YES	NO	
[X]	[ ]	1. Do you discharge non-hazardous aqueous waste to a publicly owned treatment works (POTW)/sewer?
[ ]	[X]	2. Do you discharge non-hazardous aqueous waste under an NPDES permit?
[ ]	[X]	3. Do you have your residual hazardous waste hauled offsite by a registered hazardous waste hauler? If you do, where is the waste sent? *Check all that apply.*

- [ ] a. Offsite recycling
- [ ] b. Thermal treatment
- [ ] c. Disposal to land
- [ ] d. Further treatment

[ ]	[X]	4. Do you dispose of non-hazardous solid waste residues at an offsite location?
[X]	[ ]	5. Other method of disposal. Specify: Skimmed product is routinely hauled directly to Unocal LA Terminal as "transmix" and injected into product stock.

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT:

In order to demonstrate eligibility for one of the onsite treatment tiers, facilities are required to provide the basis for determining that a hazardous waste permit is not required under the federal Resource Conservation and Recovery Act (RCRA) and the federal regulations adopted under RCRA (Title 40, Code of Federal Regulations (CFR)).

Choose the reason(s) that describe the operation of your onsite treatment units:

- [ ] 1. The hazardous waste being treated is not a hazardous waste under federal law although it is regulated as a hazardous waste under California state law.
- [X] 2. The waste is treated in wastewater treatment units (tanks), as defined in 40 CFR Part 260.10, and discharged to a publicly owned treatment works (POTW)/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT: (continued)

☐ 3. The waste is treated in elementary neutralization units, as defined in 40 CFR Part 260.10, and discharged to a POTW/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

☐ 4. The waste is treated in a totally enclosed treatment facility as defined in 40 CFR Part 260.10; 40 CFR 264.1(g)(5).

☐ 5. The company generates no more than 100 kg (approximately 27 gallons) of hazardous waste in a calendar month and is eligible as a federal conditionally exempt small quantity generator. 40 CFR 260.10 and 40 CFR 261.5.

☒ 6. The waste is treated in an accumulation tank or container within 90 days for over 1000 kg/month generators and 180 or 270 days for generators of 100 to 1000 kg/month. 40 CFR 262.34, 40 CFR 270.1(c)(2)(i), and the Preamble to the March 24, 1986 Federal Register.

☐ 7. Recyclable materials are reclaimed to recover economically significant amounts of silver or other precious metals. 40 CFR 261.6(a)(2)(iv), 40 CFR 264.1(g)(2), and 40 CFR 266.70.

☐ 8. Empty container rinsing and/or treatment. 40 CFR 261.7.

☐ 9. Other: Specify: _____

_____

V. TRANSPORTABLE TREATMENT UNIT: *Check Yes or No. Please refer to the Instructions for more information.*

YES	NO	
☐	☒	Is this unit a Transportable Treatment Unit?

If you answered yes, you must also complete and attach Form 1772E to this page.

The Tier-Specific Factsheets contain a summary of the operating requirements for this category. Please review those requirements carefully before completing or submitting this notification package.

STATE OF CALIFORNIA — ENVIRONMENTAL P C AGENCY
PETE WILSON, *Governor*

DEPARTMENT OF TOXIC SUBSTANCES CONTROL
Region 4
245 West Broadway, Suite 350
Long Beach, CA 90802-4444

June 30, 1993

Mr David Swoffer
Dowell Schlumberger, Incorporated
P.O. Box 3909
Torrance, California 90510

Dear Mr. Swoffer:

SITE SPECIFIC NOTIFICATION: DOWELL SCHLUMBERGER FOR SOUTHERN CALIFORNIA EDISON COMPANY, 8966 ETIWANDA AVENUE, ETIWANDA, CALIFORNIA 91739

The California Department of Toxic Substances Control has reviewed the Site-Specific Notification, dated May 5, 1993 requesting approval to operate one Transportable Treatment Unit (TTU). The TTU will be operating at the Southern California Edison Company, 8966 Etiwanda Avenue, Etiwanda, California 91739.

Based on our review, the Site Specific Notification is complete. The Certificate of Operation is enclosed.

Please note that your statewide permit section III.D.11 prohibits the use of any tank, container or other equipment rented by the generator and/or by the owner and operator as part(s) of the treatment process.

If you have any questions, please contact Mr. Ricardo Gonzalez at (310) 590-4877.

Sincerely,

Robert M. Senga
Unit Chief
Facility Permitting Branch

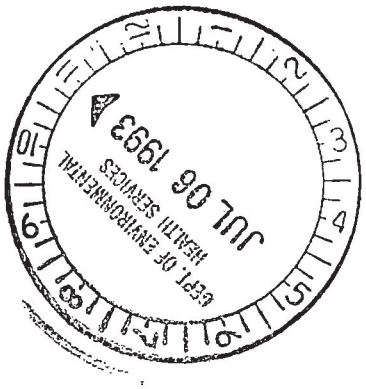
cc: Ms. Paula Rasmussen, Chief
Surveillance and Enforcement Branch
Department of Toxic Substance Control
Region 4
245 West Broadway, Suite 350
Long Beach, California 90802

recycled paper

Mr. Jim Smith, REHS 3
County of San Bernardino
Enviornmental Health Department
385 N. Arrowhead
San Bernardino, California 92415-0160

Wil de La Rosa
Southern California Edison Company
8996 Etiwanda Avenue
Etiwanda, California 91739

Certified Mail
P 898 218 089
Returned Receipt Requested


DEPT. OF ENVIRONMENTAL
HEALTH SERVICES
JUL 06 1993

Check Number 588160

92 00040

Page 1 of 21

Demo

ONSITE HAZARDOUS WASTE TREATMENT NOTIFICATION FORM

FACILITY SPECIFIC NOTIFICATION

For Use by Hazardous Waste Generators Performing Treatment Under Conditional Exemption and Conditional Authorization, and by Permit By Rule Facilities

☒ Initial ☐ Revised

Please refer to the attached Instructions before completing this form. You may notify for more than one permitting tier by using this notification form, DTSC 1772. You must attach a separate unit specific notification form for each unit at this location. There are different unit specific notification forms for each of the four categories and an additional notification form for transportable treatment units (TTU's). You only have to submit forms for the tier(s) that cover your unit(s). Discard or recycle the other unused forms. Number each page of your completed notification package and indicate the total number of pages at the top of each page at the 'Page __ of __'. Put your EPA ID Number on each page. Please provide all of the information requested; all fields must be completed except those that state 'if different' or 'if available'. Please type the information provided on this form and any attachments.

The notification will not be considered complete without payment of the appropriate fee for each tier under which you are operating. (Please note that the fee is per TIER not per UNIT. For example, if you operate 5 units but they are all Conditionally Authorized, you only owe $1,140, NOT 5 times $1,140. If you operate any Permit by Rule units and any units under Conditional Authorization you owe $2,280.) Checks should be made payable to the Department of Toxic Substances Control and be stapled to the top of this form. Please write your EPA ID Number on the check. Fill in the check number in the box above.

I. NOTIFICATION CATEGORIES

Indicate the number of units you operate in each tier. This will also be the number of unit specific notification forms you must attach. Conditionally Exempt Small Quantity Treatment operations may not operate units under any other tier.

	Number of units and attached unit specific notifications			Fee per Tier (not per unit)
A.	___	Conditionally Exempt-Small Quantity Treatment	(Form DTSC 1772A)	$ 100
B.	6	Conditionally Exempt-Specified Wastestream	(Form DTSC 1772B)	$ 100
C.	___	Conditionally Authorized	(Form DTSC 1772C)	$1,140
D.	___	Permit by Rule	(Form DTSC 1772D)	$1,140
	6	Total Number of Units		Total Fee Attached $ 100

Toxic Substances Control Program Surveillance & Enforcement Branch APR 1 1993 California Department of Health Services SACRAMENTO

II. GENERATOR IDENTIFICATION

EPA ID NUMBER CA D 0 7 9 5 4 8 5 7 4 BOE NUMBER (if available) HF HQ 3 8 0 0 0 2 6 4

NAME (Company or Facility) Southern California Edison Co.
(DBA–Doing Business As)

PHYSICAL LOCATION Etiwanda Generating Station

8996 Etiwanda Avenue

CITY Etiwanda CA ZIP 91739 -

For DTSC Use Only Region 4

COUNTY San Bernardino

CONTACT PERSON Chris (First Name) Johnson (Last Name) PHONE NUMBER (818) 302 - 9545

MAILING ADDRESS, IF DIFFERENT:

COMPANY NAME (DBA) Southern California Edison Co.

STREET Environmental Affairs

P.O. Box 800, Room 405

CITY Rosemead STATE CA ZIP 91770 -

COUNTRY
(only complete if not USA)

CONTACT PERSON Chris (First Name) Johnson (Last Name) PHONE NUMBER(818) 302 - 9545

III. TYPE OF COMPANY: STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODE:

Use either one or two SIC codes (a four digit number) that best describe your company's products, services, or industrial activity.

Example: *7384 Photofinishing lab* *3672 Printed circuit boards*

First: 4911 Electric Utility Second:

IV. PRIOR PERMIT STATUS: *Check yes or no to each question:*

YES	NO		
☐	☒	1.	Did you file a PBR Notice of Intent to Operate (DTSC Form 8462) in 1992 for this location?
☒	☐	2.	Do you now have or have you ever held a state or federal hazardous waste facility full permit or interim status for any of these treatment units?
☐	☒	3.	Do you now have or have you ever held a state or federal full permit or interim status for any other hazardous waste activities at this location?
☐	☒	4.	Have you ever held a variance issued by the Department of Toxic Substances Control for the treatment you are now notifying for at this location?
☒	☐	5.	Has this location ever been inspected by the state or any local agency as a hazardous waste generator?

V. PRIOR ENFORCEMENT HISTORY: *Not required from generators only notifying as conditionally exempt.*

YES NO

☐ ☒ Within the last three years, has this facility been the subject of any convictions, judgments, settlements, or final orders resulting from an action by any local, state, or federal environmental, hazardous waste, or public health enforcement agency?

(For the purposes of this form, a notice of violation does not constitute an order and need not be reported unless it was not corrected and became a final order.)

☐ If you answered Yes, check this box and attach a listing of convictions, judgments, settlements, or orders and a copy of the cover sheet from each document. (See the Instructions for more information)

VI. ATTACHMENTS:

[X] 1. A plot plan/map detailing the location(s) of the covered unit(s) in relation to the facility boundaries.

[X] 2. A unit specific notification form for each unit to be covered at this location.

VII. CERTIFICATIONS: *This form must be signed by an authorized corporate officer or any other person in the company who has operational control and performs decision-making functions that govern operation of the facility (per title 22, California Code of Regulations (CCR) section 66270.11). All three copies must have original signatures.*

Waste Minimization I certify that I have a program in place to reduce the volume, quantity, and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Tiered Permitting Certification I certify that the unit or units described in these documents meet the eligibility and operating requirements of state statutes and regulations for the indicated permitting tier, including generator and secondary containment requirements. I understand that if any of the units operate under Permit by Rule or Conditional Authorization, I will also be required to provide required financial assurances by January 1, 1994, and conduct a Phase I environmental assessment by January 1, 1995.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete.

I am aware that there are substantial penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

John R. Fielder
Name (Print or Type)

Signature

Vice President, Regulatory Policy & Affairs
Title

04/01/93
Date Signed

OPERATING REQUIREMENTS:

Please note that generators treating hazardous waste onsite are required to comply with a number of operating requirements which differ depending on the tier(s) under which one operates. These operating requirements are set forth in the statutes and regulations, some of which are referenced in the Tier-Specific Factsheets.

SUBMISSION PROCEDURES:

You must submit two copies of this completed notification by certified mail, return receipt requested, to:

Department of Toxic Substances Control
Form 1772
Onsite Hazardous Waste Treatment Unit
400 P Street, 4th Floor (walk in only)
P.O. Box 806
Sacramento, CA 95812-0806.

You must also submit one copy of the notification and attachments to the local regulatory agency in your jurisdiction as listed in the instruction materials. You must also retain a copy as part of your operating record.

All three forms must have original signatures, not photocopies.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS

UNIT SPECIFIC NOTIFICATION

(pursuant to Health and Safety Code Section 25201.5(c))

UNIT NAME Oil/Water Separator UNIT ID NUMBER Unit 1

NUMBER OF TREATMENT DEVICES: 1 Tank(s) ____ Container(s)

Each unit must be clearly identified and labeled on the plot plan attached to Form 1772. Assign your own unique number to each unit. The number can be sequential (1, 2, 3) or using any system you choose.

Enter the estimated monthly total volume of hazardous waste treated by this unit. This should be the maximum or highest amount treated in any month. Indicate in the narrative (Section II) if your operations have seasonal variations.

I. WASTESTREAMS AND TREATMENT PROCESSES:

Estimated Monthly Total Volume Treated: _____ pounds and/or 1,000 gallons

The following are the eligible wastestreams and treatment processes. Please check all applicable boxes:

☐ 1. Treats resins mixed in accordance with the manufacturer's instructions.

☐ 2. Treat containers of 110 gallons or less capacity that contained hazardous waste by rinsing or physical processes, such as crushing, shredding, grinding, or puncturing.

☐ 3. Drying special wastes, as classified by the department pursuant to title 22, CCR, section 66261.124, by pressing or by passive or heat-aided evaporation to remove water.

☐ 4. Magnetic separation or screening to remove components from special waste, as classified by the department pursuant to title 22, CCR, section 66261.124.

☐ 5. Neutralize acidic or alkaline (base) wastes from the regeneration of ion exchange media used to demineralize water. (This waste cannot contain more than 10 percent acid or base by weight to be eligible for conditional exemption.)

☐ 6. Neutralize acidic or alkaline (base) wastes from the food processing industry.

☐ 7. Recovery of silver from photofinishing. The volume limit for conditional exemption is 500 gallons per generator (at the same location) in any calendar month.

8. Gravity separation of the following, including the use of flocculants and demulsifiers if

☐ a. The settling of solids from the waste where the resulting aqueous/liquid stream is not hazardous.

☒ b. The separation of oil/water mixtures and separation sludges, if the average oil recovered per month is less than 25 barrels (42 gallons per barrel).

☐ 9. Neutralizing acidic or alkaline (base) material by a state certified laboratory or a laboratory operated by an educational institution. (To be eligible for conditional exemption, this waste cannot contain more than 10 percent acid or base by weight.)

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

II. NARRATIVE DESCRIPTIONS: *Provide a brief description of the specific waste treated and the treatment process used.*

1. SPECIFIC WASTE TYPES TREATED: Floor and yard drains, oils.

2. TREATMENT PROCESS(ES) USED: Gravity and/or mechanical oil/water separation.

III. RESIDUAL MANAGEMENT: *Check Yes or No to each question as it applies to all residuals from this treatment unit.*

YES	NO	
[X]	[ ]	1. Do you discharge non-hazardous aqueous waste to a publicly owned treatment works (POTW)/sewer?
[ ]	[X]	2. Do you discharge non-hazardous aqueous waste under an NPDES permit?
[X]	[ ]	3. Do you have your residual hazardous waste hauled offsite by a registered hazardous waste hauler? If you do, where is the waste sent? *Check all that apply.*

- [X] a. Offsite recycling
- [ ] b. Thermal treatment
- [X] c. Disposal to land
- [ ] d. Further treatment

[ ]	[X]	4. Do you dispose of non-hazardous solid waste residues at an offsite location?
[X]	[ ]	5. Other method of disposal. Specify: Oil is recycled on-site and off-site. Oil/water separator sludge, when removed, is tested. If hazardous, it is disposed of at a class I disposal site.

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT:

In order to demonstrate eligibility for one of the onsite treatment tiers, facilities are required to provide the basis for determining that a hazardous waste permit is not required under the federal Resource Conservation and Recovery Act (RCRA) and the federal regulations adopted under RCRA (Title 40, Code of Federal Regulations (CFR)).

Choose the reason(s) that describe the operation of your onsite treatment units:

- [X] 1. The hazardous waste being treated is not a hazardous waste under federal law although it is regulated as a hazardous waste under California state law.
- [ ] 2. The waste is treated in wastewater treatment units (tanks), as defined in 40 CFR Part 260.10, and discharged to a publicly owned treatment works (POTW)/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT: (continued)

☐ 3. The waste is treated in elementary neutralization units, as defined in 40 CFR Part 260.10, and discharged to a POTW/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

☐ 4. The waste is treated in a totally enclosed treatment facility as defined in 40 CFR Part 260.10; 40 CFR 264.1(g)(5).

☐ 5. The company generates no more than 100 kg (approximately 27 gallons) of hazardous waste in a calendar month and is eligible as a federal conditionally exempt small quantity generator. 40 CFR 260.10 and 40 CFR 261.5.

☐ 6. The waste is treated in an accumulation tank or container within 90 days for over 1000 kg/month generators and 180 or 270 days for generators of 100 to 1000 kg/month. 40 CFR 262.34, 40 CFR 270.1(c)(2)(i), and the Preamble to the March 24, 1986 Federal Register.

☐ 7. Recyclable materials are reclaimed to recover economically significant amounts of silver or other precious metals. 40 CFR 261.6(a)(2)(iv), 40 CFR 264.1(g)(2), and 40 CFR 266.70.

☐ 8. Empty container rinsing and/or treatment. 40 CFR 261.7.

☐ 9. Other: Specify: _____

_____

V. TRANSPORTABLE TREATMENT UNIT: *Check Yes or No. Please refer to the Instructions for more information.*

YES	NO	
☐	☒	Is this unit a Transportable Treatment Unit?

If you answered yes, you must also complete and attach Form 1772E to this page.

The Tier-Specific Factsheets contain a summary of the operating requirements for this category. Please review those requirements carefully before completing or submitting this notification package.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS

UNIT SPECIFIC NOTIFICATION

(pursuant to Health and Safety Code Section 25201.5(c))

UNIT NAME Oil/Water Separator UNIT ID NUMBER Unit 2

NUMBER OF TREATMENT DEVICES: 1 Tank(s) ____ Container(s)

Each unit must be clearly identified and labeled on the plot plan attached to Form 1772. Assign your own unique number to each unit. The number can be sequential (1, 2, 3) or using any system you choose.

Enter the estimated monthly total volume of hazardous waste treated by this unit. This should be the maximum or highest amount treated in any month. Indicate in the narrative (Section II) if your operations have seasonal variations.

I. WASTESTREAMS AND TREATMENT PROCESSES:

Estimated Monthly Total Volume Treated: _____ pounds and/or 1,000 gallons

The following are the eligible wastestreams and treatment processes. Please check all applicable boxes:

☐ 1. Treats resins mixed in accordance with the manufacturer's instructions.

☐ 2. Treat containers of 110 gallons or less capacity that contained hazardous waste by rinsing or physical processes, such as crushing, shredding, grinding, or puncturing.

☐ 3. Drying special wastes, as classified by the department pursuant to title 22, CCR, section 66261.124, by pressing or by passive or heat-aided evaporation to remove water.

☐ 4. Magnetic separation or screening to remove components from special waste, as classified by the department pursuant to title 22, CCR, section 66261.124.

☐ 5. Neutralize acidic or alkaline (base) wastes from the regeneration of ion exchange media used to demineralize water. (This waste cannot contain more than 10 percent acid or base by weight to be eligible for conditional exemption.)

☐ 6. Neutralize acidic or alkaline (base) wastes from the food processing industry.

☐ 7. Recovery of silver from photofinishing. The volume limit for conditional exemption is 500 gallons per generator (at the same location) in any calendar month.

8. Gravity separation of the following, including the use of flocculants and demulsifiers if

☐ a. The settling of solids from the waste where the resulting aqueous/liquid stream is not hazardous.

☒ b. The separation of oil/water mixtures and separation sludges, if the average oil recovered per month is less than 25 barrels (42 gallons per barrel).

☐ 9. Neutralizing acidic or alkaline (base) material by a state certified laboratory or a laboratory operated by an educational institution. (To be eligible for conditional exemption, this waste cannot contain more than 10 percent acid or base by weight.)

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

II. NARRATIVE DESCRIPTIONS: *Provide a brief description of the specific waste treated and the treatment process used.*

1. SPECIFIC WASTE TYPES TREATED: Floor and yard drains, oils.

2. TREATMENT PROCESS(ES) USED: Gravity and/or mechanical oil/water separation.

III. RESIDUAL MANAGEMENT: *Check Yes or No to each question as it applies to all residuals from this treatment unit.*

YES	NO	
[X]	[ ]	1. Do you discharge non-hazardous aqueous waste to a publicly owned treatment works (POTW)/sewer?
[ ]	[X]	2. Do you discharge non-hazardous aqueous waste under an NPDES permit?
[X]	[ ]	3. Do you have your residual hazardous waste hauled offsite by a registered hazardous waste hauler? If you do, where is the waste sent? *Check all that apply.*

- [X] a. Offsite recycling
- [ ] b. Thermal treatment
- [X] c. Disposal to land
- [ ] d. Further treatment

[ ]	[X]	4. Do you dispose of non-hazardous solid waste residues at an offsite location?
[X]	[ ]	5. Other method of disposal. Specify: Oil is recycled on-site and off-site. Oil/water separator sludge, when removed, is tested. If hazardous, it is disposed of at a class I disposal site.

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT:

In order to demonstrate eligibility for one of the onsite treatment tiers, facilities are required to provide the basis for determining that a hazardous waste permit is not required under the federal Resource Conservation and Recovery Act (RCRA) and the federal regulations adopted under RCRA (Title 40, Code of Federal Regulations (CFR)).

Choose the reason(s) that describe the operation of your onsite treatment units:

[X] 1. **The hazardous waste being treated is not a hazardous waste under federal law although it is regulated as a hazardous waste under California state law.**

[ ] 2. **The waste is treated in wastewater treatment units (tanks), as defined in 40 CFR Part 260.10, and discharged to a publicly owned treatment works (POTW)/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.**

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT: (continued)

☐ 3. The waste is treated in elementary neutralization units, as defined in 40 CFR Part 260.10, and discharged to a POTW/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

☐ 4. The waste is treated in a totally enclosed treatment facility as defined in 40 CFR Part 260.10; 40 CFR 264.1(g)(5).

☐ 5. The company generates no more than 100 kg (approximately 27 gallons) of hazardous waste in a calendar month and is eligible as a federal conditionally exempt small quantity generator. 40 CFR 260.10 and 40 CFR 261.5.

☐ 6. The waste is treated in an accumulation tank or container within 90 days for over 1000 kg/month generators and 180 or 270 days for generators of 100 to 1000 kg/month. 40 CFR 262.34, 40 CFR 270.1(c)(2)(i), and the Preamble to the March 24, 1986 Federal Register.

☐ 7. Recyclable materials are reclaimed to recover economically significant amounts of silver or other precious metals. 40 CFR 261.6(a)(2)(iv), 40 CFR 264.1(g)(2), and 40 CFR 266.70.

☐ 8. Empty container rinsing and/or treatment. 40 CFR 261.7.

☐ 9. Other: Specify: _____

_____

V. TRANSPORTABLE TREATMENT UNIT: *Check Yes or No. Please refer to the Instructions for more information.*

YES	NO	
☐	☒	Is this unit a Transportable Treatment Unit?

If you answered yes, you must also complete and attach Form 1772E to this page.

The Tier-Specific Factsheets contain a summary of the operating requirements for this category. Please review those requirements carefully before completing or submitting this notification package.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS

UNIT SPECIFIC NOTIFICATION

(pursuant to Health and Safety Code Section 25201.5(c))

UNIT NAME Oil/Water Separator UNIT ID NUMBER Unit 3

NUMBER OF TREATMENT DEVICES: 1 Tank(s) ____ Container(s)

Each unit must be clearly identified and labeled on the plot plan attached to Form 1772. Assign your own unique number to each unit. The number can be sequential (1, 2, 3) or using any system you choose.

Enter the estimated monthly total volume of hazardous waste treated by this unit. This should be the maximum or highest amount treated in any month. Indicate in the narrative (Section II) if your operations have seasonal variations.

I. WASTESTREAMS AND TREATMENT PROCESSES:

Estimated Monthly Total Volume Treated: _____ pounds and/or 1,000 gallons

The following are the eligible wastestreams and treatment processes. Please check all applicable boxes:

☐ 1. Treats resins mixed in accordance with the manufacturer's instructions.

☐ 2. Treat containers of 110 gallons or less capacity that contained hazardous waste by rinsing or physical processes, such as crushing, shredding, grinding, or puncturing.

☐ 3. Drying special wastes, as classified by the department pursuant to title 22, CCR, section 66261.124, by pressing or by passive or heat-aided evaporation to remove water.

☐ 4. Magnetic separation or screening to remove components from special waste, as classified by the department pursuant to title 22, CCR, section 66261.124.

☐ 5. Neutralize acidic or alkaline (base) wastes from the regeneration of ion exchange media used to demineralize water. (This waste cannot contain more than 10 percent acid or base by weight to be eligible for conditional exemption.)

☐ 6. Neutralize acidic or alkaline (base) wastes from the food processing industry.

☐ 7. Recovery of silver from photofinishing. The volume limit for conditional exemption is 500 gallons per generator (at the same location) in any calendar month.

8. Gravity separation of the following, including the use of flocculants and demulsifiers if

☐ a. The settling of solids from the waste where the resulting aqueous/liquid stream is not hazardous.

☒ b. The separation of oil/water mixtures and separation sludges, if the average oil recovered per month is less than 25 barrels (42 gallons per barrel).

☐ 9. Neutralizing acidic or alkaline (base) material by a state certified laboratory or a laboratory operated by an educational institution. (To be eligible for conditional exemption, this waste cannot contain more than 10 percent acid or base by weight.)

EPA ID NUMBER CAD079548574

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

II. NARRATIVE DESCRIPTIONS: *Provide a brief description of the specific waste treated and the treatment process used.*

1. SPECIFIC WASTE TYPES TREATED: Floor and yard drains, oils.

2. TREATMENT PROCESS(ES) USED: Gravity and/or mechanical oil/water separation.

III. RESIDUAL MANAGEMENT: *Check Yes or No to each question as it applies to all residuals from this treatment unit.*

YES	NO	
[X]	[ ]	1. Do you discharge non-hazardous aqueous waste to a publicly owned treatment works (POTW)/sewer?
[ ]	[X]	2. Do you discharge non-hazardous aqueous waste under an NPDES permit?
[X]	[ ]	3. Do you have your residual hazardous waste hauled offsite by a registered hazardous waste hauler? If you do, where is the waste sent? *Check all that apply.*

- [X] a. Offsite recycling
- [ ] b. Thermal treatment
- [X] c. Disposal to land
- [ ] d. Further treatment

[ ]	[X]	4. Do you dispose of non-hazardous solid waste residues at an offsite location?
[X]	[ ]	5. Other method of disposal. Specify: Oil is recycled on-site and off-site. Oil/water separator sludge, when removed, is tested. If hazardous, it is disposed of at a class I disposal site.

IV. **BASIS FOR NOT NEEDING A FEDERAL PERMIT:**

In order to demonstrate eligibility for one of the onsite treatment tiers, facilities are required to provide the basis for determining that a hazardous waste permit is not required under the federal Resource Conservation and Recovery Act (RCRA) and the federal regulations adopted under RCRA (Title 40, Code of Federal Regulations (CFR)).

Choose the reason(s) that describe the operation of your onsite treatment units:

[X] 1. **The hazardous waste being treated is not a hazardous waste under federal law although it is regulated as a hazardous waste under California state law.**

[ ] 2. **The waste is treated in wastewater treatment units (tanks), as defined in 40 CFR Part 260.10, and discharged to a publicly owned treatment works (POTW)/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.**

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT: (continued)

☐ 3. The waste is treated in elementary neutralization units, as defined in 40 CFR Part 260.10, and discharged to a POTW/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

☐ 4. The waste is treated in a totally enclosed treatment facility as defined in 40 CFR Part 260.10; 40 CFR 264.1(g)(5).

☐ 5. The company generates no more than 100 kg (approximately 27 gallons) of hazardous waste in a calendar month and is eligible as a federal conditionally exempt small quantity generator. 40 CFR 260.10 and 40 CFR 261.5.

☐ 6. The waste is treated in an accumulation tank or container within 90 days for over 1000 kg/month generators and 180 or 270 days for generators of 100 to 1000 kg/month. 40 CFR 262.34, 40 CFR 270.1(c)(2)(i), and the Preamble to the March 24, 1986 Federal Register.

☐ 7. Recyclable materials are reclaimed to recover economically significant amounts of silver or other precious metals. 40 CFR 261.6(a)(2)(iv), 40 CFR 264.1(g)(2), and 40 CFR 266.70.

☐ 8. Empty container rinsing and/or treatment. 40 CFR 261.7.

☐ 9. Other: Specify: _____

_____

V. TRANSPORTABLE TREATMENT UNIT: *Check Yes or No. Please refer to the Instructions for more information.*

YES NO

☐ ☒ Is this unit a Transportable Treatment Unit?

If you answered yes, you must also complete and attach Form 1772E to this page.

The Tier-Specific Factsheets contain a summary of the operating requirements for this category. Please review those requirements carefully before completing or submitting this notification package.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS

UNIT SPECIFIC NOTIFICATION

(pursuant to Health and Safety Code Section 25201.5(c))

UNIT NAME Oil/Water Separator UNIT ID NUMBER Unit 4

NUMBER OF TREATMENT DEVICES: 1 Tank(s) ____ Container(s)

Each unit must be clearly identified and labeled on the plot plan attached to Form 1772. Assign your own unique number to each unit. The number can be sequential (1, 2, 3) or using any system you choose.

Enter the estimated monthly total volume of hazardous waste treated by this unit. This should be the maximum or highest amount treated in any month. Indicate in the narrative (Section II) if your operations have seasonal variations.

I. WASTESTREAMS AND TREATMENT PROCESSES:

Estimated Monthly Total Volume Treated: _____ pounds and/or 1,000 gallons

The following are the eligible wastestreams and treatment processes. Please check all applicable boxes:

☐ 1. Treats resins mixed in accordance with the manufacturer's instructions.

☐ 2. Treat containers of 110 gallons or less capacity that contained hazardous waste by rinsing or physical processes, such as crushing, shredding, grinding, or puncturing.

☐ 3. Drying special wastes, as classified by the department pursuant to title 22, CCR, section 66261.124, by pressing or by passive or heat-aided evaporation to remove water.

☐ 4. Magnetic separation or screening to remove components from special waste, as classified by the department pursuant to title 22, CCR, section 66261.124.

☐ 5. Neutralize acidic or alkaline (base) wastes from the regeneration of ion exchange media used to demineralize water. (This waste cannot contain more than 10 percent acid or base by weight to be eligible for conditional exemption.)

☐ 6. Neutralize acidic or alkaline (base) wastes from the food processing industry.

☐ 7. Recovery of silver from photofinishing. The volume limit for conditional exemption is 500 gallons per generator (at the same location) in any calendar month.

8. Gravity separation of the following, including the use of flocculants and demulsifiers if

☐ a. The settling of solids from the waste where the resulting aqueous/liquid stream is not hazardous.

☒ b. The separation of oil/water mixtures and separation sludges, if the average oil recovered per month is less than 25 barrels (42 gallons per barrel).

☐ 9. Neutralizing acidic or alkaline (base) material by a state certified laboratory or a laboratory operated by an educational institution. (To be eligible for conditional exemption, this waste cannot contain more than 10 percent acid or base by weight.)

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

II. NARRATIVE DESCRIPTIONS: *Provide a brief description of the specific waste treated and the treatment process used.*

1. SPECIFIC WASTE TYPES TREATED: Floor and yard drains, oils.

2. TREATMENT PROCESS(ES) USED: Gravity and/or mechanical oil/water separation.

III. RESIDUAL MANAGEMENT: *Check Yes or No to each question as it applies to all residuals from this treatment unit.*

YES	NO	
[X]	[ ]	1. Do you discharge non-hazardous aqueous waste to a publicly owned treatment works (POTW)/sewer?
[ ]	[X]	2. Do you discharge non-hazardous aqueous waste under an NPDES permit?
[X]	[ ]	3. Do you have your residual hazardous waste hauled offsite by a registered hazardous waste hauler? If you do, where is the waste sent? *Check all that apply.*

- [X] a. Offsite recycling
- [ ] b. Thermal treatment
- [X] c. Disposal to land
- [ ] d. Further treatment

[ ]	[X]	4. Do you dispose of non-hazardous solid waste residues at an offsite location?
[X]	[ ]	5. Other method of disposal. Specify: Oil is recycled on-site and off-site. Oil/water separator sludge, when removed, is tested. If hazardous, it is disposed of at a class I disposal site.

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT:

In order to demonstrate eligibility for one of the onsite treatment tiers, facilities are required to provide the basis for determining that a hazardous waste permit is not required under the federal Resource Conservation and Recovery Act (RCRA) and the federal regulations adopted under RCRA (Title 40, Code of Federal Regulations (CFR)).

Choose the reason(s) that describe the operation of your onsite treatment units:

[X] 1. The hazardous waste being treated is not a hazardous waste under federal law although it is regulated as a hazardous waste under California state law.

[ ] 2. The waste is treated in wastewater treatment units (tanks), as defined in 40 CFR Part 260.10, and discharged to a publicly owned treatment works (POTW)/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT: (continued)

☐ 3. The waste is treated in elementary neutralization units, as defined in 40 CFR Part 260.10, and discharged to a POTW/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

☐ 4. The waste is treated in a totally enclosed treatment facility as defined in 40 CFR Part 260.10; 40 CFR 264.1(g)(5).

☐ 5. The company generates no more than 100 kg (approximately 27 gallons) of hazardous waste in a calendar month and is eligible as a federal conditionally exempt small quantity generator. 40 CFR 260.10 and 40 CFR 261.5.

☐ 6. The waste is treated in an accumulation tank or container within 90 days for over 1000 kg/month generators and 180 or 270 days for generators of 100 to 1000 kg/month. 40 CFR 262.34, 40 CFR 270.1(c)(2)(i), and the Preamble to the March 24, 1986 Federal Register.

☐ 7. Recyclable materials are reclaimed to recover economically significant amounts of silver or other precious metals. 40 CFR 261.6(a)(2)(iv), 40 CFR 264.1(g)(2), and 40 CFR 266.70.

☐ 8. Empty container rinsing and/or treatment. 40 CFR 261.7.

☐ 9. Other: Specify: _____

_____

V. TRANSPORTABLE TREATMENT UNIT: *Check Yes or No. Please refer to the Instructions for more information.*

YES	NO	
☐	☒	Is this unit a Transportable Treatment Unit?

If you answered yes, you must also complete and attach Form 1772E to this page.

The Tier-Specific Factsheets contain a summary of the operating requirements for this category. Please review those requirements carefully before completing or submitting this notification package.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS

UNIT SPECIFIC NOTIFICATION

(pursuant to Health and Safety Code Section 25201.5(c))

UNIT NAME Container Crushing UNIT ID NUMBER Unit 1C

NUMBER OF TREATMENT DEVICES: ____ Tank(s) 1 Container(s)

Each unit must be clearly identified and labeled on the plot plan attached to Form 1772. Assign your own unique number to each unit. The number can be sequential (1, 2, 3) or using any system you choose.

Enter the estimated monthly total volume of hazardous waste treated by this unit. This should be the maximum or highest amount treated in any month. Indicate in the narrative (Section II) if your operations have seasonal variations.

I. WASTESTREAMS AND TREATMENT PROCESSES:

Estimated Monthly Total Volume Treated: 300 pounds and/or _____ gallons

The following are the eligible wastestreams and treatment processes. Please check all applicable boxes:

☐ 1. Treats resins mixed in accordance with the manufacturer's instructions.

☒ 2. Treat containers of 110 gallons or less capacity that contained hazardous waste by rinsing or physical processes, such as crushing, shredding, grinding, or puncturing.

☐ 3. Drying special wastes, as classified by the department pursuant to title 22, CCR, section 66261.124, by pressing or by passive or heat-aided evaporation to remove water.

☐ 4. Magnetic separation or screening to remove components from special waste, as classified by the department pursuant to title 22, CCR, section 66261.124.

☐ 5. Neutralize acidic or alkaline (base) wastes from the regeneration of ion exchange media used to demineralize water. (This waste cannot contain more than 10 percent acid or base by weight to be eligible for conditional exemption.)

☐ 6. Neutralize acidic or alkaline (base) wastes from the food processing industry.

☐ 7. Recovery of silver from photofinishing. The volume limit for conditional exemption is 500 gallons per generator (at the same location) in any calendar month.

8. Gravity separation of the following, including the use of flocculants and demulsifiers if

☐ a. The settling of solids from the waste where the resulting aqueous/liquid stream is not hazardous.

☐ b. The separation of oil/water mixtures and separation sludges, if the average oil recovered per month is less than 25 barrels (42 gallons per barrel).

☐ 9. Neutralizing acidic or alkaline (base) material by a state certified laboratory or a laboratory operated by an educational institution. (To be eligible for conditional exemption, this waste cannot contain more than 10 percent acid or base by weight.)

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

II. NARRATIVE DESCRIPTIONS: *Provide a brief description of the specific waste treated and the treatment process used.*

1. SPECIFIC WASTE TYPES TREATED: Aerosol cans, containers, drums.

2. TREATMENT PROCESS(ES) USED: Puncturing, drum crushing.

III. RESIDUAL MANAGEMENT: *Check Yes or No to each question as it applies to all residuals from this treatment unit.*

YES	NO	
☐	☒	1. Do you discharge non-hazardous aqueous waste to a publicly owned treatment works (POTW)/sewer?
☐	☒	2. Do you discharge non-hazardous aqueous waste under an NPDES permit?
☒	☐	3. Do you have your residual hazardous waste hauled offsite by a registered hazardous waste hauler? If you do, where is the waste sent? *Check all that apply.*
		☒ a. Offsite recycling
		☐ b. Thermal treatment
		☐ c. Disposal to land
		☒ d. Further treatment
☒	☐	4. Do you dispose of non-hazardous solid waste residues at an offsite location?
☒	☐	5. Other method of disposal. Specify: Scrap metal is recycled.

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT:

In order to demonstrate eligibility for one of the onsite treatment tiers, facilities are required to provide the basis for determining that a hazardous waste permit is not required under the federal Resource Conservation and Recovery Act (RCRA) and the federal regulations adopted under RCRA (Title 40, Code of Federal Regulations (CFR)).

Choose the reason(s) that describe the operation of your onsite treatment units:

☐ 1. The hazardous waste being treated is not a hazardous waste under federal law although it is regulated as a hazardous waste under California state law.

☐ 2. The waste is treated in wastewater treatment units (tanks), as defined in 40 CFR Part 260.10, and discharged to a publicly owned treatment works (POTW)/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT: (continued)

☐ 3. The waste is treated in elementary neutralization units, as defined in 40 CFR Part 260.10, and discharged to a POTW/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

☐ 4. The waste is treated in a totally enclosed treatment facility as defined in 40 CFR Part 260.10; 40 CFR 264.1(g)(5).

☐ 5. The company generates no more than 100 kg (approximately 27 gallons) of hazardous waste in a calendar month and is eligible as a federal conditionally exempt small quantity generator. 40 CFR 260.10 and 40 CFR 261.5.

☐ 6. The waste is treated in an accumulation tank or container within 90 days for over 1000 kg/month generators and 180 or 270 days for generators of 100 to 1000 kg/month. 40 CFR 262.34, 40 CFR 270.1(c)(2)(i), and the Preamble to the March 24, 1986 Federal Register.

☐ 7. Recyclable materials are reclaimed to recover economically significant amounts of silver or other precious metals. 40 CFR 261.6(a)(2)(iv), 40 CFR 264.1(g)(2), and 40 CFR 266.70.

☒ 8. Empty container rinsing and/or treatment. 40 CFR 261.7.

☐ 9. Other: Specify: _____

_____

V. TRANSPORTABLE TREATMENT UNIT: *Check Yes or No. Please refer to the Instructions for more information.*

YES	NO	
☐	☒	Is this unit a Transportable Treatment Unit?

If you answered yes, you must also complete and attach Form 1772E to this page.

The Tier-Specific Factsheets contain a summary of the operating requirements for this category. Please review those requirements carefully before completing or submitting this notification package.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS

UNIT SPECIFIC NOTIFICATION

(pursuant to Health and Safety Code Section 25201.5(c))

UNIT NAME Demineralizer UNIT ID NUMBER Unit ID

NUMBER OF TREATMENT DEVICES: X Tank(s) ____ Container(s)

Each unit must be clearly identified and labeled on the plot plan attached to Form 1772. Assign your own unique number to each unit. The number can be sequential (1, 2, 3) or using any system you choose.

Enter the estimated monthly total volume of hazardous waste treated by this unit. This should be the maximum or highest amount treated in any month. Indicate in the narrative (Section II) if your operations have seasonal variations.

I. WASTESTREAMS AND TREATMENT PROCESSES:

Estimated Monthly Total Volume Treated: _____ pounds and/or _____ gallons

The following are the eligible wastestreams and treatment processes. Please check all applicable boxes:

☐ 1. Treats resins mixed in accordance with the manufacturer's instructions.

☐ 2. Treat containers of 110 gallons or less capacity that contained hazardous waste by rinsing or physical processes, such as crushing, shredding, grinding, or puncturing.

☐ 3. Drying special wastes, as classified by the department pursuant to title 22, CCR, section 66261.124, by pressing or by passive or heat-aided evaporation to remove water.

☐ 4. Magnetic separation or screening to remove components from special waste, as classified by the department pursuant to title 22, CCR, section 66261.124.

☒ 5. Neutralize acidic or alkaline (base) wastes from the regeneration of ion exchange media used to demineralize water. (This waste cannot contain more than 10 percent acid or base by weight to be eligible for conditional exemption.)

☐ 6. Neutralize acidic or alkaline (base) wastes from the food processing industry.

☐ 7. Recovery of silver from photofinishing. The volume limit for conditional exemption is 500 gallons per generator (at the same location) in any calendar month.

8. Gravity separation of the following, including the use of flocculants and demulsifiers if

☐ a. The settling of solids from the waste where the resulting aqueous/liquid stream is not hazardous.

☐ b. The separation of oil/water mixtures and separation sludges, if the average oil recovered per month is less than 25 barrels (42 gallons per barrel).

☐ 9. Neutralizing acidic or alkaline (base) material by a state certified laboratory or a laboratory operated by an educational institution. (To be eligible for conditional exemption, this waste cannot contain more than 10 percent acid or base by weight.)

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

II. NARRATIVE DESCRIPTIONS: *Provide a brief description of the specific waste treated and the treatment process used.*

1. SPECIFIC WASTE TYPES TREATED: Neutralize acid solution with basic solution.

2. TREATMENT PROCESS(ES) USED: Mixing acid and base resulting from demineralizer regeneration.

III. RESIDUAL MANAGEMENT: *Check Yes or No to each question as it applies to all residuals from this treatment unit.*

YES	NO	
[X]	[ ]	1. Do you discharge non-hazardous aqueous waste to a publicly owned treatment works (POTW)/sewer?
[ ]	[X]	2. Do you discharge non-hazardous aqueous waste under an NPDES permit?
[ ]	[X]	3. Do you have your residual hazardous waste hauled offsite by a registered hazardous waste hauler? If you do, where is the waste sent? *Check all that apply.*
		[ ] a. Offsite recycling
		[ ] b. Thermal treatment
		[ ] c. Disposal to land
		[ ] d. Further treatment
[X]	[ ]	4. Do you dispose of non-hazardous solid waste residues at an offsite location?
[ ]	[X]	5. Other method of disposal. Specify:

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT:

In order to demonstrate eligibility for one of the onsite treatment tiers, facilities are required to provide the basis for determining that a hazardous waste permit is not required under the federal Resource Conservation and Recovery Act (RCRA) and the federal regulations adopted under RCRA (Title 40, Code of Federal Regulations (CFR)).

Choose the reason(s) that describe the operation of your onsite treatment units:

[X] 1. The hazardous waste being treated is not a hazardous waste under federal law although it is regulated as a hazardous waste under California state law.

[ ] 2. The waste is treated in wastewater treatment units (tanks), as defined in 40 CFR Part 260.10, and discharged to a publicly owned treatment works (POTW)/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT: (continued)

☒ 3. The waste is treated in elementary neutralization units, as defined in 40 CFR Part 260.10, and discharged to a POTW/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

☐ 4. The waste is treated in a totally enclosed treatment facility as defined in 40 CFR Part 260.10; 40 CFR 264.1(g)(5).

☐ 5. The company generates no more than 100 kg (approximately 27 gallons) of hazardous waste in a calendar month and is eligible as a federal conditionally exempt small quantity generator. 40 CFR 260.10 and 40 CFR 261.5.

☐ 6. The waste is treated in an accumulation tank or container within 90 days for over 1000 kg/month generators and 180 or 270 days for generators of 100 to 1000 kg/month. 40 CFR 262.34, 40 CFR 270.1(c)(2)(i), and the Preamble to the March 24, 1986 Federal Register.

☐ 7. Recyclable materials are reclaimed to recover economically significant amounts of silver or other precious metals. 40 CFR 261.6(a)(2)(iv), 40 CFR 264.1(g)(2), and 40 CFR 266.70.

☐ 8. Empty container rinsing and/or treatment. 40 CFR 261.7.

☐ 9. Other: Specify: _____

_____

V. TRANSPORTABLE TREATMENT UNIT: *Check Yes or No. Please refer to the Instructions for more information.*

YES	NO	
☐	☒	Is this unit a Transportable Treatment Unit?

If you answered yes, you must also complete and attach Form 1772E to this page.

The Tier-Specific Factsheets contain a summary of the operating requirements for this category. Please review those requirements carefully before completing or submitting this notification package.

Check Number

8600879

---Staple Check Here---

ONSITE HAZARDOUS WASTE TREATMENT NOTIFICATION FORM

FACILITY SPECIFIC NOTIFICATION

For Use by Hazardous Waste Generators Performing Treatment Under Conditional Exemption and Conditional Authorization, and by Permit By Rule Facilities

☒ Initial ☐ Revised

Please refer to the attached Instructions before completing this form. You may notify for more than one permitting tier by using this notification form, DTSC 1772. You must attach a separate unit specific notification form for each unit at this location. There are different unit specific notification forms for each of the four categories and an additional notification form for transportable treatment units (TTU's). You only have to submit forms for the tier(s) that cover your unit(s). Discard or recycle the other unused forms. Number each page of your completed notification package and indicate the total number of pages at the top of each page at the 'Page __ of __'. Put your EPA ID Number on each page. Please provide all of the information requested; all fields must be completed except those that state 'if different' or 'if available'. Please type the information provided on this form and any attachments.

The notification will not be considered complete without payment of the appropriate fee for each tier under which you are operating. (Please note that the fee is per TIER not per UNIT. For example, if you operate 5 units but they are all Conditionally Authorized, you only owe $1,140, NOT 5 times $1,140. If you operate any Permit by Rule units and any units under Conditional Authorization you owe $2,280.) Checks should be made payable to the Department of Toxic Substances Control and be stapled to the top of this form. Please write your EPA ID Number on the check. Fill in the check number in the box above.

I. NOTIFICATION CATEGORIES

Indicate the number of units you operate in each tier. This will also be the number of unit specific notification forms you must attach. Conditionally Exempt Small Quantity Treatment operations may not operate units under any other tier.

Number of units and attached unit specific notifications				Fee per Tier (not per unit)
A.	____	Conditionally Exempt-Small Quantity Treatment	(Form DTSC 1772A)	$ 100
B.	6	Conditionally Exempt-Specified Wastestream	(Form DTSC 1772B)	$ 100
C.	____	Conditionally Authorized	(Form DTSC 1772C)	$1,140
D.	____	Permit by Rule	(Form DTSC 1772D)	$1,140
	6	Total Number of Units		Total Fee Attached $ 100

II. GENERATOR IDENTIFICATION

EPA ID NUMBER CA D 0 7 9 5 4 8 5 7 4 BOE NUMBER (if available) HF HQ 3 8 0 0 0 2 6 4

NAME (Company or Facility) Southern California Edison Co.
(DBA–Doing Business As)

PHYSICAL LOCATION Etiwanda Generating Station

8996 Etiwanda Avenue

CITY Etiwanda CA ZIP 91739 -

For DTSC Use Only
Region

COUNTY San Bernardino

CONTACT PERSON Chris (First Name) Johnson (Last Name) PHONE NUMBER (818) 302 - 9545

MAILING ADDRESS, IF DIFFERE

COMPANY NAME (DBA) Southern California Edison Co.

STREET Environmental Affairs

P.O. Box 800, Room 405

CITY Rosemead STATE CA ZIP 91770 -

COUNTRY
(only complete if not USA)

CONTACT PERSON Chris (First Name) Johnson (Last Name) PHONE NUMBER(818) 302 - 9545

III. TYPE OF COMPANY: STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODE:

Use either one or two SIC codes (a four digit number) that best describe your company's products, services, or industrial activity.

Example: *7384* *Photofinishing lab* *3672* *Printed circuit boards*

First: 4911 Electric Utility Second:

IV. PRIOR PERMIT STATUS: *Check yes or no to each question:*

YES	NO		
☐	☒	1.	Did you file a PBR Notice of Intent to Operate (DTSC Form 8462) in 1992 for this location?
☒	☐	2.	Do you now have or have you ever held a state or federal hazardous waste facility full permit or interim status for any of these treatment units?
☐	☒	3.	Do you now have or have you ever held a state or federal full permit or interim status for any other hazardous waste activities at this location?
☐	☒	4.	Have you ever held a variance issued by the Department of Toxic Substances Control for the treatment you are now notifying for at this location?
☒	☐	5.	Has this location ever been inspected by the state or any local agency as a hazardous waste generator?

V. PRIOR ENFORCEMENT HISTORY: *Not required from generators only notifying as conditionally exempt.*

YES	NO	
☐	☒	Within the last three years, has this facility been the subject of any convictions, judgments, settlements, or final orders resulting from an action by any local, state, or federal environmental, hazardous waste, or public health enforcement agency?

(For the purposes of this form, a notice of violation does not constitute an order and need not be reported unless it was not corrected and became a final order.)

☐ If you answered Yes, check this box and attach a listing of convictions, judgments, settlements, or orders and a copy of the cover sheet from each document. (See the Instructions for more information)

VI. ATTACHMENTS:

[X] 1. A plot plan/map detailing the location(s) of the covered unit(s) in relation to the facility boundaries.

[X] 2. A unit specific notification form for each unit to be covered at this location.

VII. CERTIFICATIONS: *This form must be signed by an authorized corporate officer or any other person in the company who has operational control and performs decision-making functions that govern operation of the facility (per title 22, California Code of Regulations (CCR) section 66270.11). All three copies must have original signatures.*

Waste Minimization I certify that I have a program in place to reduce the volume, quantity, and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.

Tiered Permitting Certification I certify that the unit or units described in these documents meet the eligibility and operating requirements of state statutes and regulations for the indicated permitting tier, including generator and secondary containment requirements. I understand that if any of the units operate under Permit by Rule or Conditional Authorization, I will also be required to provide required financial assurances by January 1, 1994, and conduct a Phase I environmental assessment by January 1, 1995.

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those directly responsible for gathering the information, the information is, to the best of my knowledge and belief, true, accurate, and complete.

I am aware that there are substantial penalties for submitting false information, including the possibility of fines and imprisonment for knowing violations.

John R. Fielder
Name (Print or Type)

Signature

Vice President, Regulatory Policy & Affairs
Title

04/01/93
Date Signed

OPERATING REQUIREMENTS:

Please note that generators treating hazardous waste onsite are required to comply with a number of operating requirements which differ depending on the tier(s) under which one operates. These operating requirements are set forth in the statutes and regulations, some of which are referenced in the Tier-Specific Factsheets.

SUBMISSION PROCEDURES:

You must submit two copies of this completed notification by certified mail, return receipt requested, to:

Department of Toxic Substances Control
Form 1772
Onsite Hazardous Waste Treatment Unit
400 P Street, 4th Floor (walk in only)
P.O. Box 806
Sacramento, CA 95812-0806.

You must also submit one copy of the notification and attachments to the local regulatory agency in your jurisdiction as listed in the instruction materials. You must also retain a copy as part of your operating record.

All three forms must have original signatures, not photocopies.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS

UNIT SPECIFIC NOTIFICATION

(pursuant to Health and Safety Code Section 25201.5(c))

UNIT NAME Oil/Water Separator UNIT ID NUMBER Unit 1

NUMBER OF TREATMENT DEVICES: 1 Tank(s) ____ Container(s)

Each unit must be clearly identified and labeled on the plot plan attached to Form 1772. Assign your own unique number to each unit. The number can be sequential (1, 2, 3) or using any system you choose.

Enter the estimated monthly total volume of hazardous waste treated by this unit. This should be the maximum or highest amount treated in any month. Indicate in the narrative (Section II) if your operations have seasonal variations.

I. WASTESTREAMS AND TREATMENT PROCESSES:

Estimated Monthly Total Volume Treated: _____ pounds and/or 1,000 gallons

The following are the eligible wastestreams and treatment processes. Please check all applicable boxes:

☐ 1. Treats resins mixed in accordance with the manufacturer's instructions.

☐ 2. Treat containers of 110 gallons or less capacity that contained hazardous waste by rinsing or physical processes, such as crushing, shredding, grinding, or puncturing.

☐ 3. Drying special wastes, as classified by the department pursuant to title 22, CCR, section 66261.124, by pressing or by passive or heat-aided evaporation to remove water.

☐ 4. Magnetic separation or screening to remove components from special waste, as classified by the department pursuant to title 22, CCR, section 66261.124.

☐ 5. Neutralize acidic or alkaline (base) wastes from the regeneration of ion exchange media used to demineralize water. (This waste cannot contain more than 10 percent acid or base by weight to be eligible for conditional exemption.)

☐ 6. Neutralize acidic or alkaline (base) wastes from the food processing industry.

☐ 7. Recovery of silver from photofinishing. The volume limit for conditional exemption is 500 gallons per generator (at the same location) in any calendar month.

8. Gravity separation of the following, including the use of flocculants and demulsifiers if

☐ a. The settling of solids from the waste where the resulting aqueous/liquid stream is not hazardous.

☒ b. The separation of oil/water mixtures and separation sludges, if the average oil recovered per month is less than 25 barrels (42 gallons per barrel).

☐ 9. Neutralizing acidic or alkaline (base) material by a state certified laboratory or a laboratory operated by an educational institution. (To be eligible for conditional exemption, this waste cannot contain more than 10 percent acid or base by weight.)

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

II. NARRATIVE DESCRIPTIONS: *Provide a brief description of the specific waste treated and the treatment process used.*

1. SPECIFIC WASTE TYPES TREATED: Floor and yard drains, oils.

2. TREATMENT PROCESS(ES) USED: Gravity and/or mechanical oil/water separation.

III. RESIDUAL MANAGEMENT: *Check Yes or No to each question as it applies to all residuals from this treatment unit.*

YES	NO	
[X]	[ ]	1. Do you discharge non-hazardous aqueous waste to a publicly owned treatment works (POTW)/sewer?
[ ]	[X]	2. Do you discharge non-hazardous aqueous waste under an NPDES permit?
[X]	[ ]	3. Do you have your residual hazardous waste hauled offsite by a registered hazardous waste hauler? If you do, where is the waste sent? *Check all that apply.*

- [X] a. Offsite recycling
- [ ] b. Thermal treatment
- [X] c. Disposal to land
- [ ] d. Further treatment

[ ]	[X]	4. Do you dispose of non-hazardous solid waste residues at an offsite location?
[X]	[ ]	5. Other method of disposal. Specify: Oil is recycled on-site and off-site. Oil/water separator sludge, when removed, is tested. If hazardous, it is disposed of at a class I disposal site.

IV. **BASIS FOR NOT NEEDING A FEDERAL PERMIT:**

In order to demonstrate eligibility for one of the onsite treatment tiers, facilities are required to provide the basis for determining that a hazardous waste permit is not required under the federal Resource Conservation and Recovery Act (RCRA) and the federal regulations adopted under RCRA (Title 40, Code of Federal Regulations (CFR)).

Choose the reason(s) that describe the operation of your onsite treatment units:

- [X] 1. The hazardous waste being treated is not a hazardous waste under federal law although it is regulated as a hazardous waste under California state law.
- [ ] 2. The waste is treated in wastewater treatment units (tanks), as defined in 40 CFR Part 260.10, and discharged to a publicly owned treatment works (POTW)/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT: (continued)

☐ 3. The waste is treated in elementary neutralization units, as defined in 40 CFR Part 260.10, and discharged to a POTW/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

☐ 4. The waste is treated in a totally enclosed treatment facility as defined in 40 CFR Part 260.10; 40 CFR 264.1(g)(5).

☐ 5. The company generates no more than 100 kg (approximately 27 gallons) of hazardous waste in a calendar month and is eligible as a federal conditionally exempt small quantity generator. 40 CFR 260.10 and 40 CFR 261.5.

☐ 6. The waste is treated in an accumulation tank or container within 90 days for over 1000 kg/month generators and 180 or 270 days for generators of 100 to 1000 kg/month. 40 CFR 262.34, 40 CFR 270.1(c)(2)(i), and the Preamble to the March 24, 1986 Federal Register.

☐ 7. Recyclable materials are reclaimed to recover economically significant amounts of silver or other precious metals. 40 CFR 261.6(a)(2)(iv), 40 CFR 264.1(g)(2), and 40 CFR 266.70.

☐ 8. Empty container rinsing and/or treatment. 40 CFR 261.7.

☐ 9. Other: Specify: _____

_____

V. TRANSPORTABLE TREATMENT UNIT: *Check Yes or No. Please refer to the Instructions for more information.*

YES NO

☐ ☒ Is this unit a Transportable Treatment Unit?

If you answered yes, you must also complete and attach Form 1772E to this page.

The Tier-Specific Factsheets contain a summary of the operating requirements for this category. Please review those requirements carefully before completing or submitting this notification package.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS

UNIT SPECIFIC NOTIFICATION

(pursuant to Health and Safety Code Section 25201.5(c))

UNIT NAME Oil/Water Separator UNIT ID NUMBER Unit 2

NUMBER OF TREATMENT DEVICES: 1 Tank(s) ____ Container(s)

Each unit must be clearly identified and labeled on the plot plan attached to Form 1772. Assign your own unique number to each unit. The number can be sequential (1, 2, 3) or using any system you choose.

Enter the estimated monthly total volume of hazardous waste treated by this unit. This should be the maximum or highest amount treated in any month. Indicate in the narrative (Section II) if your operations have seasonal variations.

I. WASTESTREAMS AND TREATMENT PROCESSES:

Estimated Monthly Total Volume Treated: _____ pounds and/or 1,000 gallons

The following are the eligible wastestreams and treatment processes. Please check all applicable boxes:

☐ 1. Treats resins mixed in accordance with the manufacturer's instructions.

☐ 2. Treat containers of 110 gallons or less capacity that contained hazardous waste by rinsing or physical processes, such as crushing, shredding, grinding, or puncturing.

☐ 3. Drying special wastes, as classified by the department pursuant to title 22, CCR, section 66261.124, by pressing or by passive or heat-aided evaporation to remove water.

☐ 4. Magnetic separation or screening to remove components from special waste, as classified by the department pursuant to title 22, CCR, section 66261.124.

☐ 5. Neutralize acidic or alkaline (base) wastes from the regeneration of ion exchange media used to demineralize water. (This waste cannot contain more than 10 percent acid or base by weight to be eligible for conditional exemption.)

☐ 6. Neutralize acidic or alkaline (base) wastes from the food processing industry.

☐ 7. Recovery of silver from photofinishing. The volume limit for conditional exemption is 500 gallons per generator (at the same location) in any calendar month.

8. Gravity separation of the following, including the use of flocculants and demulsifiers if

☐ a. The settling of solids from the waste where the resulting aqueous/liquid stream is not hazardous.

☒ b. The separation of oil/water mixtures and separation sludges, if the average oil recovered per month is less than 25 barrels (42 gallons per barrel).

☐ 9. Neutralizing acidic or alkaline (base) material by a state certified laboratory or a laboratory operated by an educational institution. (To be eligible for conditional exemption, this waste cannot contain more than 10 percent acid or base by weight.)

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

II. NARRATIVE DESCRIPTIONS: *Provide a brief description of the specific waste treated and the treatment process used.*

1. SPECIFIC WASTE TYPES TREATED: Floor and yard drains, oils.

2. TREATMENT PROCESS(ES) USED: Gravity and/or mechanical oil/water separation.

III. RESIDUAL MANAGEMENT: *Check Yes or No to each question as it applies to all residuals from this treatment unit.*

YES	NO	
[X]	[ ]	1. Do you discharge non-hazardous aqueous waste to a publicly owned treatment works (POTW)/sewer?
[ ]	[X]	2. Do you discharge non-hazardous aqueous waste under an NPDES permit?
[X]	[ ]	3. Do you have your residual hazardous waste hauled offsite by a registered hazardous waste hauler? If you do, where is the waste sent? *Check all that apply.*

- [X] a. Offsite recycling
- [ ] b. Thermal treatment
- [X] c. Disposal to land
- [ ] d. Further treatment

[ ]	[X]	4. Do you dispose of non-hazardous solid waste residues at an offsite location?
[X]	[ ]	5. Other method of disposal. Specify: Oil is recycled on-site and off-site. Oil/water separator sludge, when removed, is tested. If hazardous, it is disposed of at a class I disposal site.

IV. **BASIS FOR NOT NEEDING A FEDERAL PERMIT:**

In order to demonstrate eligibility for one of the onsite treatment tiers, facilities are required to provide the basis for determining that a hazardous waste permit is not required under the federal Resource Conservation and Recovery Act (RCRA) and the federal regulations adopted under RCRA (Title 40, Code of Federal Regulations (CFR)).

Choose the reason(s) that describe the operation of your onsite treatment units:

[X] 1. **The hazardous waste being treated is not a hazardous waste under federal law although it is regulated as a hazardous waste under California state law.**

[ ] 2. **The waste is treated in wastewater treatment units (tanks), as defined in 40 CFR Part 260.10, and discharged to a publicly owned treatment works (POTW)/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.**

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT: (continued)

☐ 3. The waste is treated in elementary neutralization units, as defined in 40 CFR Part 260.10, and discharged to a POTW/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

☐ 4. The waste is treated in a totally enclosed treatment facility as defined in 40 CFR Part 260.10; 40 CFR 264.1(g)(5).

☐ 5. The company generates no more than 100 kg (approximately 27 gallons) of hazardous waste in a calendar month and is eligible as a federal conditionally exempt small quantity generator. 40 CFR 260.10 and 40 CFR 261.5.

☐ 6. The waste is treated in an accumulation tank or container within 90 days for over 1000 kg/month generators and 180 or 270 days for generators of 100 to 1000 kg/month. 40 CFR 262.34, 40 CFR 270.1(c)(2)(i), and the Preamble to the March 24, 1986 Federal Register.

☐ 7. Recyclable materials are reclaimed to recover economically significant amounts of silver or other precious metals. 40 CFR 261.6(a)(2)(iv), 40 CFR 264.1(g)(2), and 40 CFR 266.70.

☐ 8. Empty container rinsing and/or treatment. 40 CFR 261.7.

☐ 9. Other: Specify: _____

_____

V. TRANSPORTABLE TREATMENT UNIT: *Check Yes or No. Please refer to the Instructions for more information.*

YES	NO	
☐	☒	Is this unit a Transportable Treatment Unit?

If you answered yes, you must also complete and attach Form 1772E to this page.

The Tier-Specific Factsheets contain a summary of the operating requirements for this category. Please review those requirements carefully before completing or submitting this notification package.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS

UNIT SPECIFIC NOTIFICATION

(pursuant to Health and Safety Code Section 25201.5(c))

UNIT NAME Oil/Water Separator UNIT ID NUMBER Unit 3

NUMBER OF TREATMENT DEVICES: 1 Tank(s) ____ Container(s)

Each unit must be clearly identified and labeled on the plot plan attached to Form 1772. Assign your own unique number to each unit. The number can be sequential (1, 2, 3) or using any system you choose.

Enter the estimated monthly total volume of hazardous waste treated by this unit. This should be the maximum or highest amount treated in any month. Indicate in the narrative (Section II) if your operations have seasonal variations.

I. WASTESTREAMS AND TREATMENT PROCESSES:

Estimated Monthly Total Volume Treated: _____ pounds and/or 1,000 gallons

The following are the eligible wastestreams and treatment processes. Please check all applicable boxes:

☐ 1. Treats resins mixed in accordance with the manufacturer's instructions.

☐ 2. Treat containers of 110 gallons or less capacity that contained hazardous waste by rinsing or physical processes, such as crushing, shredding, grinding, or puncturing.

☐ 3. Drying special wastes, as classified by the department pursuant to title 22, CCR, section 66261.124, by pressing or by passive or heat-aided evaporation to remove water.

☐ 4. Magnetic separation or screening to remove components from special waste, as classified by the department pursuant to title 22, CCR, section 66261.124.

☐ 5. Neutralize acidic or alkaline (base) wastes from the regeneration of ion exchange media used to demineralize water. (This waste cannot contain more than 10 percent acid or base by weight to be eligible for conditional exemption.)

☐ 6. Neutralize acidic or alkaline (base) wastes from the food processing industry.

☐ 7. Recovery of silver from photofinishing. The volume limit for conditional exemption is 500 gallons per generator (at the same location) in any calendar month.

8. Gravity separation of the following, including the use of flocculants and demulsifiers if

☐ a. The settling of solids from the waste where the resulting aqueous/liquid stream is not hazardous.

☒ b. The separation of oil/water mixtures and separation sludges, if the average oil recovered per month is less than 25 barrels (42 gallons per barrel).

☐ 9. Neutralizing acidic or alkaline (base) material by a state certified laboratory or a laboratory operated by an educational institution. (To be eligible for conditional exemption, this waste cannot contain more than 10 percent acid or base by weight.)

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

II. NARRATIVE DESCRIPTIONS: *Provide a brief description of the specific waste treated and the treatment process used.*

1. SPECIFIC WASTE TYPES TREATED: Floor and yard drains, oils.

2. TREATMENT PROCESS(ES) USED: Gravity and/or mechanical oil/water separation.

III. RESIDUAL MANAGEMENT: *Check Yes or No to each question as it applies to all residuals from this treatment unit.*

YES	NO	
[X]	[ ]	1. Do you discharge non-hazardous aqueous waste to a publicly owned treatment works (POTW)/sewer?
[ ]	[X]	2. Do you discharge non-hazardous aqueous waste under an NPDES permit?
[X]	[ ]	3. Do you have your residual hazardous waste hauled offsite by a registered hazardous waste hauler? If you do, where is the waste sent? *Check all that apply.*

- [X] a. Offsite recycling
- [ ] b. Thermal treatment
- [X] c. Disposal to land
- [ ] d. Further treatment

[ ]	[X]	4. Do you dispose of non-hazardous solid waste residues at an offsite location?
[X]	[ ]	5. Other method of disposal. Specify: Oil is recycled on-site and off-site. Oil/water separator sludge, when removed, is tested. If hazardous, it is disposed of at a class I disposal site.

IV. **BASIS FOR NOT NEEDING A FEDERAL PERMIT:**

In order to demonstrate eligibility for one of the onsite treatment tiers, facilities are required to provide the basis for determining that a hazardous waste permit is not required under the federal Resource Conservation and Recovery Act (RCRA) and the federal regulations adopted under RCRA (Title 40, Code of Federal Regulations (CFR)).

Choose the reason(s) that describe the operation of your onsite treatment units:

[X] 1. **The hazardous waste being treated is not a hazardous waste under federal law although it is regulated as a hazardous waste under California state law.**

[ ] 2. **The waste is treated in wastewater treatment units (tanks), as defined in 40 CFR Part 260.10, and discharged to a publicly owned treatment works (POTW)/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.**

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT: (continued)

☐ 3. The waste is treated in elementary neutralization units, as defined in 40 CFR Part 260.10, and discharged to a POTW/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

☐ 4. The waste is treated in a totally enclosed treatment facility as defined in 40 CFR Part 260.10; 40 CFR 264.1(g)(5).

☐ 5. The company generates no more than 100 kg (approximately 27 gallons) of hazardous waste in a calendar month and is eligible as a federal conditionally exempt small quantity generator. 40 CFR 260.10 and 40 CFR 261.5.

☐ 6. The waste is treated in an accumulation tank or container within 90 days for over 1000 kg/month generators and 180 or 270 days for generators of 100 to 1000 kg/month. 40 CFR 262.34, 40 CFR 270.1(c)(2)(i), and the Preamble to the March 24, 1986 Federal Register.

☐ 7. Recyclable materials are reclaimed to recover economically significant amounts of silver or other precious metals. 40 CFR 261.6(a)(2)(iv), 40 CFR 264.1(g)(2), and 40 CFR 266.70.

☐ 8. Empty container rinsing and/or treatment. 40 CFR 261.7.

☐ 9. Other: Specify: _____

_____

V. TRANSPORTABLE TREATMENT UNIT: *Check Yes or No. Please refer to the Instructions for more information.*

YES NO

☐ ☒ Is this unit a Transportable Treatment Unit?

If you answered yes, you must also complete and attach Form 1772E to this page.

The Tier-Specific Factsheets contain a summary of the operating requirements for this category. Please review those requirements carefully before completing or submitting this notification package.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS

UNIT SPECIFIC NOTIFICATION

(pursuant to Health and Safety Code Section 25201.5(c))

UNIT NAME Oil/Water Separator UNIT ID NUMBER Unit 4

NUMBER OF TREATMENT DEVICES: 1 Tank(s) ____ Container(s)

Each unit must be clearly identified and labeled on the plot plan attached to Form 1772. Assign your own unique number to each unit. The number can be sequential (1, 2, 3) or using any system you choose.

Enter the estimated monthly total volume of hazardous waste treated by this unit. This should be the maximum or highest amount treated in any month. Indicate in the narrative (Section II) if your operations have seasonal variations.

I. WASTESTREAMS AND TREATMENT PROCESSES:

Estimated Monthly Total Volume Treated: _____ pounds and/or 1,000 gallons

The following are the eligible wastestreams and treatment processes. Please check all applicable boxes:

☐ 1. Treats resins mixed in accordance with the manufacturer's instructions.

☐ 2. Treat containers of 110 gallons or less capacity that contained hazardous waste by rinsing or physical processes, such as crushing, shredding, grinding, or puncturing.

☐ 3. Drying special wastes, as classified by the department pursuant to title 22, CCR, section 66261.124, by pressing or by passive or heat-aided evaporation to remove water.

☐ 4. Magnetic separation or screening to remove components from special waste, as classified by the department pursuant to title 22, CCR, section 66261.124.

☐ 5. Neutralize acidic or alkaline (base) wastes from the regeneration of ion exchange media used to demineralize water. (This waste cannot contain more than 10 percent acid or base by weight to be eligible for conditional exemption.)

☐ 6. Neutralize acidic or alkaline (base) wastes from the food processing industry.

☐ 7. Recovery of silver from photofinishing. The volume limit for conditional exemption is 500 gallons per generator (at the same location) in any calendar month.

8. Gravity separation of the following, including the use of flocculants and demulsifiers if

☐ a. The settling of solids from the waste where the resulting aqueous/liquid stream is not hazardous.

☒ b. The separation of oil/water mixtures and separation sludges, if the average oil recovered per month is less than 25 barrels (42 gallons per barrel).

☐ 9. Neutralizing acidic or alkaline (base) material by a state certified laboratory or a laboratory operated by an educational institution. (To be eligible for conditional exemption, this waste cannot contain more than 10 percent acid or base by weight.)

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

II. NARRATIVE DESCRIPTIONS: *Provide a brief description of the specific waste treated and the treatment process used.*

1. SPECIFIC WASTE TYPES TREATED: Floor and yard drains, oils.

2. TREATMENT PROCESS(ES) USED: Gravity and/or mechanical oil/water separation.

III. RESIDUAL MANAGEMENT: *Check Yes or No to each question as it applies to all residuals from this treatment unit.*

YES	NO	
[X]	[ ]	1. Do you discharge non-hazardous aqueous waste to a publicly owned treatment works (POTW)/sewer?
[ ]	[X]	2. Do you discharge non-hazardous aqueous waste under an NPDES permit?
[X]	[ ]	3. Do you have your residual hazardous waste hauled offsite by a registered hazardous waste hauler? If you do, where is the waste sent? *Check all that apply.*

- [X] a. Offsite recycling
- [ ] b. Thermal treatment
- [X] c. Disposal to land
- [ ] d. Further treatment

[ ]	[X]	4. Do you dispose of non-hazardous solid waste residues at an offsite location?
[X]	[ ]	5. Other method of disposal. Specify: Oil is recycled on-site and off-site. Oil/water separator sludge, when removed, is tested. If hazardous, it is disposed of at a class I disposal site.

IV. **BASIS FOR NOT NEEDING A FEDERAL PERMIT:**

In order to demonstrate eligibility for one of the onsite treatment tiers, facilities are required to provide the basis for determining that a hazardous waste permit is not required under the federal Resource Conservation and Recovery Act (RCRA) and the federal regulations adopted under RCRA (Title 40, Code of Federal Regulations (CFR)).

Choose the reason(s) that describe the operation of your onsite treatment units:

- [X] 1. **The hazardous waste being treated is not a hazardous waste under federal law although it is regulated as a hazardous waste under California state law.**
- [ ] 2. **The waste is treated in wastewater treatment units (tanks), as defined in 40 CFR Part 260.10, and discharged to a publicly owned treatment works (POTW)/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.**

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT: (continued)

☐ 3. The waste is treated in elementary neutralization units, as defined in 40 CFR Part 260.10, and discharged to a POTW/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

☐ 4. The waste is treated in a totally enclosed treatment facility as defined in 40 CFR Part 260.10; 40 CFR 264.1(g)(5).

☐ 5. The company generates no more than 100 kg (approximately 27 gallons) of hazardous waste in a calendar month and is eligible as a federal conditionally exempt small quantity generator. 40 CFR 260.10 and 40 CFR 261.5.

☐ 6. The waste is treated in an accumulation tank or container within 90 days for over 1000 kg/month generators and 180 or 270 days for generators of 100 to 1000 kg/month. 40 CFR 262.34, 40 CFR 270.1(c)(2)(i), and the Preamble to the March 24, 1986 Federal Register.

☐ 7. Recyclable materials are reclaimed to recover economically significant amounts of silver or other precious metals. 40 CFR 261.6(a)(2)(iv), 40 CFR 264.1(g)(2), and 40 CFR 266.70.

☐ 8. Empty container rinsing and/or treatment. 40 CFR 261.7.

☐ 9. Other: Specify: _____

_____

V. TRANSPORTABLE TREATMENT UNIT: *Check Yes or No. Please refer to the Instructions for more information.*

YES	NO	
☐	☒	Is this unit a Transportable Treatment Unit?

If you answered yes, you must also complete and attach Form 1772E to this page.

The Tier-Specific Factsheets contain a summary of the operating requirements for this category. Please review those requirements carefully before completing or submitting this notification package.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS

UNIT SPECIFIC NOTIFICATION

(pursuant to Health and Safety Code Section 25201.5(c))

UNIT NAME Container Crushing UNIT ID NUMBER Unit 1C

NUMBER OF TREATMENT DEVICES: ____ Tank(s) __1__ Container(s)

Each unit must be clearly identified and labeled on the plot plan attached to Form 1772. Assign your own unique number to each unit. The number can be sequential (1, 2, 3) or using any system you choose.

Enter the estimated monthly total volume of hazardous waste treated by this unit. This should be the maximum or highest amount treated in any month. Indicate in the narrative (Section II) if your operations have seasonal variations.

I. WASTESTREAMS AND TREATMENT PROCESSES:

Estimated Monthly Total Volume Treated: 300 pounds and/or _____ gallons

The following are the eligible wastestreams and treatment processes. Please check all applicable boxes:

☐ 1. Treats resins mixed in accordance with the manufacturer's instructions.

☒ 2. Treat containers of 110 gallons or less capacity that contained hazardous waste by rinsing or physical processes, such as crushing, shredding, grinding, or puncturing.

☐ 3. Drying special wastes, as classified by the department pursuant to title 22, CCR, section 66261.124, by pressing or by passive or heat-aided evaporation to remove water.

☐ 4. Magnetic separation or screening to remove components from special waste, as classified by the department pursuant to title 22, CCR, section 66261.124.

☐ 5. Neutralize acidic or alkaline (base) wastes from the regeneration of ion exchange media used to demineralize water. (This waste cannot contain more than 10 percent acid or base by weight to be eligible for conditional exemption.)

☐ 6. Neutralize acidic or alkaline (base) wastes from the food processing industry.

☐ 7. Recovery of silver from photofinishing. The volume limit for conditional exemption is 500 gallons per generator (at the same location) in any calendar month.

8. Gravity separation of the following, including the use of flocculants and demulsifiers if

☐ a. The settling of solids from the waste where the resulting aqueous/liquid stream is not hazardous.

☐ b. The separation of oil/water mixtures and separation sludges, if the average oil recovered per month is less than 25 barrels (42 gallons per barrel).

☐ 9. Neutralizing acidic or alkaline (base) material by a state certified laboratory or a laboratory operated by an educational institution. (To be eligible for conditional exemption, this waste cannot contain more than 10 percent acid or base by weight.)

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

II. NARRATIVE DESCRIPTIONS: *Provide a brief description of the specific waste treated and the treatment process used.*

1. SPECIFIC WASTE TYPES TREATED: Aerosol cans, containers, drums.

2. TREATMENT PROCESS(ES) USED: Puncturing, drum crushing.

III. RESIDUAL MANAGEMENT: *Check Yes or No to each question as it applies to all residuals from this treatment unit.*

YES	NO	
☐	☒	1. Do you discharge non-hazardous aqueous waste to a publicly owned treatment works (POTW)/sewer?
☐	☒	2. Do you discharge non-hazardous aqueous waste under an NPDES permit?
☒	☐	3. Do you have your residual hazardous waste hauled offsite by a registered hazardous waste hauler? If you do, where is the waste sent? *Check all that apply.*

- ☒ a. Offsite recycling
- ☐ b. Thermal treatment
- ☐ c. Disposal to land
- ☒ d. Further treatment

☒	☐	4. Do you dispose of non-hazardous solid waste residues at an offsite location?
☒	☐	5. Other method of disposal. Specify: Scrap metal is recycled.

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT:

In order to demonstrate eligibility for one of the onsite treatment tiers, facilities are required to provide the basis for determining that a hazardous waste permit is not required under the federal Resource Conservation and Recovery Act (RCRA) and the federal regulations adopted under RCRA (Title 40, Code of Federal Regulations (CFR)).

Choose the reason(s) that describe the operation of your onsite treatment units:

☐ 1. The hazardous waste being treated is not a hazardous waste under federal law although it is regulated as a hazardous waste under California state law.

☐ 2. The waste is treated in wastewater treatment units (tanks), as defined in 40 CFR Part 260.10, and discharged to a publicly owned treatment works (POTW)/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT: (continued)

☐ 3. The waste is treated in elementary neutralization units, as defined in 40 CFR Part 260.10, and discharged to a POTW/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

☐ 4. The waste is treated in a totally enclosed treatment facility as defined in 40 CFR Part 260.10; 40 CFR 264.1(g)(5).

☐ 5. The company generates no more than 100 kg (approximately 27 gallons) of hazardous waste in a calendar month and is eligible as a federal conditionally exempt small quantity generator. 40 CFR 260.10 and 40 CFR 261.5.

☐ 6. The waste is treated in an accumulation tank or container within 90 days for over 1000 kg/month generators and 180 or 270 days for generators of 100 to 1000 kg/month. 40 CFR 262.34, 40 CFR 270.1(c)(2)(i), and the Preamble to the March 24, 1986 Federal Register.

☐ 7. Recyclable materials are reclaimed to recover economically significant amounts of silver or other precious metals. 40 CFR 261.6(a)(2)(iv), 40 CFR 264.1(g)(2), and 40 CFR 266.70.

☒ 8. Empty container rinsing and/or treatment. 40 CFR 261.7.

☐ 9. Other: Specify: _____

_____

V. TRANSPORTABLE TREATMENT UNIT: *Check Yes or No. Please refer to the Instructions for more information.*

YES	NO	
☐	☒	Is this unit a Transportable Treatment Unit?

If you answered yes, you must also complete and attach Form 1772E to this page.

The Tier-Specific Factsheets contain a summary of the operating requirements for this category. Please review those requirements carefully before completing or submitting this notification package.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS

UNIT SPECIFIC NOTIFICATION

(pursuant to Health and Safety Code Section 25201.5(c))

UNIT NAME Demineralizer UNIT ID NUMBER Unit ID

NUMBER OF TREATMENT DEVICES: X Tank(s) ____ Container(s)

Each unit must be clearly identified and labeled on the plot plan attached to Form 1772. Assign your own unique number to each unit. The number can be sequential (1, 2, 3) or using any system you choose.

Enter the estimated monthly total volume of hazardous waste treated by this unit. This should be the maximum or highest amount treated in any month. Indicate in the narrative (Section II) if your operations have seasonal variations.

I. WASTESTREAMS AND TREATMENT PROCESSES:

Estimated Monthly Total Volume Treated: _____ pounds and/or _____ gallons

The following are the eligible wastestreams and treatment processes. Please check all applicable boxes:

☐ 1. Treats resins mixed in accordance with the manufacturer's instructions.

☐ 2. Treat containers of 110 gallons or less capacity that contained hazardous waste by rinsing or physical processes, such as crushing, shredding, grinding, or puncturing.

☐ 3. Drying special wastes, as classified by the department pursuant to title 22, CCR, section 66261.124, by pressing or by passive or heat-aided evaporation to remove water.

☐ 4. Magnetic separation or screening to remove components from special waste, as classified by the department pursuant to title 22, CCR, section 66261.124.

☒ 5. Neutralize acidic or alkaline (base) wastes from the regeneration of ion exchange media used to demineralize water. (This waste cannot contain more than 10 percent acid or base by weight to be eligible for conditional exemption.)

☐ 6. Neutralize acidic or alkaline (base) wastes from the food processing industry.

☐ 7. Recovery of silver from photofinishing. The volume limit for conditional exemption is 500 gallons per generator (at the same location) in any calendar month.

8. Gravity separation of the following, including the use of flocculants and demulsifiers if

☐ a. The settling of solids from the waste where the resulting aqueous/liquid stream is not hazardous.

☐ b. The separation of oil/water mixtures and separation sludges, if the average oil recovered per month is less than 25 barrels (42 gallons per barrel).

☐ 9. Neutralizing acidic or alkaline (base) material by a state certified laboratory or a laboratory operated by an educational institution. (To be eligible for conditional exemption, this waste cannot contain more than 10 percent acid or base by weight.)

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

II. NARRATIVE DESCRIPTIONS: *Provide a brief description of the specific waste treated and the treatment process used.*

1. SPECIFIC WASTE TYPES TREATED: Neutralize acid solution with basic solution.

2. TREATMENT PROCESS(ES) USED: Mixing acid and base resulting from demineralizer regeneration.

III. RESIDUAL MANAGEMENT: *Check Yes or No to each question as it applies to all residuals from this treatment unit.*

YES	NO	
[X]	[ ]	1. Do you discharge non-hazardous aqueous waste to a publicly owned treatment works (POTW)/sewer?
[ ]	[X]	2. Do you discharge non-hazardous aqueous waste under an NPDES permit?
[ ]	[X]	3. Do you have your residual hazardous waste hauled offsite by a registered hazardous waste hauler? If you do, where is the waste sent? *Check all that apply.*
		[ ] a. Offsite recycling
		[ ] b. Thermal treatment
		[ ] c. Disposal to land
		[ ] d. Further treatment
[X]	[ ]	4. Do you dispose of non-hazardous solid waste residues at an offsite location?
[ ]	[X]	5. Other method of disposal. Specify:

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT:

In order to demonstrate eligibility for one of the onsite treatment tiers, facilities are required to provide the basis for determining that a hazardous waste permit is not required under the federal Resource Conservation and Recovery Act (RCRA) and the federal regulations adopted under RCRA (Title 40, Code of Federal Regulations (CFR)).

Choose the reason(s) that describe the operation of your onsite treatment units:

[X] 1. The hazardous waste being treated is not a hazardous waste under federal law although it is regulated as a hazardous waste under California state law.

[ ] 2. The waste is treated in wastewater treatment units (tanks), as defined in 40 CFR Part 260.10, and discharged to a publicly owned treatment works (POTW)/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

CONDITIONALLY EXEMPT - SPECIFIED WASTESTREAMS
UNIT SPECIFIC NOTIFICATION
(pursuant to Health and Safety Code Section 25201.5(c))

IV. BASIS FOR NOT NEEDING A FEDERAL PERMIT: (continued)

☒ 3. The waste is treated in elementary neutralization units, as defined in 40 CFR Part 260.10, and discharged to a POTW/sewering agency or under an NPDES permit. 40 CFR 264.1(g)(6) and 40 CFR 270.2.

☐ 4. The waste is treated in a totally enclosed treatment facility as defined in 40 CFR Part 260.10; 40 CFR 264.1(g)(5).

☐ 5. The company generates no more than 100 kg (approximately 27 gallons) of hazardous waste in a calendar month and is eligible as a federal conditionally exempt small quantity generator. 40 CFR 260.10 and 40 CFR 261.5.

☐ 6. The waste is treated in an accumulation tank or container within 90 days for over 1000 kg/month generators and 180 or 270 days for generators of 100 to 1000 kg/month. 40 CFR 262.34, 40 CFR 270.1(c)(2)(i), and the Preamble to the March 24, 1986 Federal Register.

☐ 7. Recyclable materials are reclaimed to recover economically significant amounts of silver or other precious metals. 40 CFR 261.6(a)(2)(iv), 40 CFR 264.1(g)(2), and 40 CFR 266.70.

☐ 8. Empty container rinsing and/or treatment. 40 CFR 261.7.

☐ 9. Other: Specify: _____

_____

V. TRANSPORTABLE TREATMENT UNIT: *Check Yes or No. Please refer to the Instructions for more information.*

YES	NO	
☐	☒	Is this unit a Transportable Treatment Unit?

If you answered yes, you must also complete and attach Form 1772E to this page.

The Tier-Specific Factsheets contain a summary of the operating requirements for this category. Please review those requirements carefully before completing or submitting this notification package.

ENVIRONMENTAL
HEALTH SERVICES
93 APR -5 PM 2:41

STATE OF CALIFORNIA — ENVIRONMENTAL PROTECTION AGENCY

PETE WILSON, Governor

DEPARTMENT OF TOXIC SUBSTANCES CONTROL

Region 4
245 West Broadway, Suite 350
Long Beach, CA 90802-4444

(310) 590-5950

ENVIRONMENTAL
HEALTH SERVICES

92 JUL 10 PM 2:06

July 3, 1992

Mr. Christopher Johnson
Environmental Compliance Manager
Southern California Edison
P.O. Box 800
Rosemead, California 91770
EPA ID# CAD079548574

Dear Mr. Johnson:

REPORT OF VIOLATION

On May 29, 1992, Richard Hubbell and Charito Piñon, representatives from this Department, inspected your facility located at 8996 Etiwanda Avenue, Etiwanda, California 91739.

As a result of that inspection, a violation of hazardous waste statutes and regulations was identified.

The specified violation and a required schedule of compliance are listed below. Failure to correct the identified violation within the schedule provided will result in the Department of Toxic Substances Control ("DTSC") citing you for continuing/additional violations.

I. Violations

1. Health and Safety Code (HSC) section 25201(a).

Southern California Edison - Etiwanda (SCE) violated HSC section 25201(a) in that since November 19, 1980, SCE has intermittently stored hazardous waste in the acid retention basin without a hazardous waste storage facility permit or other grant of authorization from the Department to use the basin for this purpose.

II. Schedule of Compliance

Correct violations upon receipt of this Report.

Please send written certification to this office by August 5, 1992 that the above corrections have been completed.

The Department may conduct a reinspection of SCE located at

recycled paper

8996 Etiwanda Avenue, Etiwanda, California 91739 to verify compliance.

The issuance of this Report of Violation and Schedule of Compliance does not preclude DTSC from taking administrative, civil, or criminal action as a result of the violation noted herein.

If you have any questions regarding this Report, please contact Richard Hubbell at (310) 590-5920.

Sincerely,

Sharon Fair
Unit Chief
Surveillance and Enforcement Branch

cc: Mr. James R. Cutright
Acting Chief Counsel
Department of Toxic Substances Control
400 "P" Street
P. O. Box 806
Sacramento, CA 95812-0806

Mr. Peter Brierty
Division Chief
San Bernardino County
Hazardous Material Management &
Systems Support
385 North Arrowhead Avenue
San Bernardino, California 92415-0160

Certified Mail
P 759 288 464
Return Receipt Requested

ENVIRONMENTAL HEALTH SERVICES

COUNTY OF SAN BERNARDINO
ENVIRONMENTAL
PUBLIC WORKS AGENCY

☒ 385 North Arrowhead Avenue • San Bernardino, CA 92415-0160 • (714) 387-4646
☐ 320 East "D" Street • Ontario, CA 91764 • (714) 391-7570
☐ 15505 Civic Drive • Victorville, CA 92392 • (619) 243-8141
☐ 17830 Arrow Highway • Fontana, CA 92335 • (714) 829-6244
☐ 57407 Twentynine Palms Highway • Yucca Valley, CA 92284
☐ San Bernardino County Vector Control Program
2355 East Fifth Street • San Bernardino, Ca 92415 • (714) 383-3200
☐ Environmental Enforcement and Housing
172 West Third Street • San Bernardino, CA 92415-0315 • (714) 387-6512/6515
☐ Air Pollution Control District
15428 Civic Drive, Suite 200, Victorville, CA 92392 • (619) 243-8200

PAUL F. RYAN, R.E.H.S.
Director

Also serving the cities of:

Adelanto	Loma Linda
Apple Valley	Montclair
Barstow	Needles
Big Bear Lake	Ontario
Chino	Rancho Cucamonga
Colton	Redlands
Fontana	Rialto
Grand Terrace	San Bernardino
Hesperia	Twentynine Palms
Highland	Upland

Victorville

May 8, 1990

Southern California Edison
P. O. Box 800
Rosemead, CA 91770

~~Attn:~~ Eva Fung

Room 405

SUBJECT: HANDLING OF ACUTELY HAZARDOUS MATERIALS - RISK MANAGEMENT AND PREVENTION PROGRAM

The types and quantities of acutely hazardous materials handled by your company have led to the determination of significant likelihood that the use of these materials may pose an acutely hazardous material accident risk as defined in Section 25532(b) of Chapter 6.95 of the California Health and Safety Code. Pursuant to Section 25534 of this Chapter, the Department of Environmental Health Services (DEHS) will require your company to prepare a Risk Management and Prevention Program (RMPP) in accordance with a timetable based on a priority ranking. This timetable has not yet fully been established, and, therefore, this letter is not a request for an RMPP.

DEHS is notifying you of this coming requirement at this time for several reasons:

1. A Risk Management and Prevention Program must be based upon an assessment of the processes, operations, and procedures of the business and must consider the results of certain technical studies. Please be advised that the development and implementation of an RMPP is an involved process that will require additional commitment of funding and staff time from your company.

2. The RMPP must be based upon current and verified documents including, but not limited to, design standards, piping and instrumentation diagrams, standard operating procedures, emergency operating procedures, and accident investigation procedures. Updating these documents is highly advisable and will simplify the preparation of the RMPP. Currently, the company has 12 months from the date of request to prepare an RMPP.

3. If your facility is performing or planning to perform a risk analysis or other process safety studies, it may be

advantageous to incorporate RMPP elements into these studies, where possible. Contact this Department in order to minimize any duplication of efforts.

4. Additional information is required to complete the ranking of each use of acutely hazardous material prescribed by the law, and in order to facilitate implementation of the RMPP requirements. A request for specific information is forthcoming.

For the past several months, DEHS has been developing an RMPP program to meet the requirements and intent of the law to reduce acutely hazardous material accident risks. This Department has developed criteria for the "significant likelihood" determination based on the type and quantity of acutely hazardous materials, the general process utilizing acutely hazardous materials, and the characteristics of surrounding populations. This information is also used to rank facilities and establish a timetable for RMPP submission. Submission guidelines and policies have been created to provide for the greatest possible cooperation between your company and this Department during the RMPP process.

Because these activities are not supported by tax revenue, but are mandated by state law, DEHS must charge fees to recover costs incurred in implementing the RMPP law. The fee for data collection, screening, and ranking is $250.00 per facility. An invoice is enclosed. (This is in addition to any regular permit fees from this Department.) Once an RMPP is requested, fees will be collected on a cost-recovery basis, depending on the type and extent of RMPP required and facility choices regarding consultants. This will be agreed upon at the time of the initial workplan submission.

This is **NOT** a request for an RMPP. At this time, your facility only needs to submit the fee and specific information as requested.

The RMPP requirements can be overwhelming. A list of references regarding RMPP subjects is enclosed. DEHS welcomes and encourages input by industry on issues concerning acutely hazardous materials management and process safety. If you need assistance, please call me at (714) 387-3044. Thank you for your valuable time.

Marilyn Kraft

MARILYN KRAFT, R.E.H.S.
RISK MANAGEMENT AND COMMUNITY RIGHT TO KNOW
HAZARDOUS MATERIALS MANAGEMENT
(714) 387-3044

MK:lg

Enclosure

Facility Name: Southern California Edison - Etiwanda
Site Addres: 8996 Etiwanda Ave E wanda

Mailing Address:
Facility Contact:
Consultant(s):

Facility is: NEW EXISTING MODIFIED

AHMs Chemical Name	Amount (lbs)	TPQ	TF	Vulneralbility Zones (mi) IDLH (ppm)	1/10 IDLH (ppm)
Hydrazine (35%)	(200gal) 6413	1000	0	<.1	.2
Sulfuric Acid (93%)	(10000gal) 153630	1000	153✓	<.1	<.1
	RMPP INDEX			MAX IDLH	MAX 1/10 IDLH
	153			<.1	.2

Special Circumstances
1. School within 1000 ft? 1/4 mile?
2. Other vulnerable populations?
3. Other:

Target Completion Date:
Notes:

Stage1: Facility identified as AHM handler

Item	Comments	(Date)	Action
Business Plan Submitted			
BP Approved and Distributed			
BP Updates Distributed			
DEHS Permits - Correct and Current			
AHM Registration Form		(7/8/88)	
RMPP Questionairre Sent			
RMPP Questionairre Returned			
SARA Notification Sent			
RMPP Fact Sheet Sent			

Decision:

Justification:

Notes:

.4

ACUTELY HAZARDOUS MATERIALS REGISTRATION FORM

THIS FORM MUST BE COMPLETED BY THE OWNER OR OPERATOR OF EACH BUSINESS IN CALIFORNIA WHICH AT ANY TIME HANDLES ACUTELY HAZARDOUS MATERIAL IN QUANTITIES GREATER THAN 500 POUNDS, 55 GALLONS OR 200 CUBIC FEET OF GAS AT STP. SUBMIT THIS FORM TO YOUR LOCAL ADMINISTERING AGENCY. (§25533 & 25536 Health & Safety Code)

Note instructions on reverse

Business Name Southern California Edison Company
Etiwanda Generating Station

Business Site Address 8996 Etiwanda Avenue, Etiwanda, CA 91739

Business Mailing Address (if different) _____

Business Phone (714) 987-2561 **Business Plan Submission Date**[1] March 1987

Process Designation[2] Electric Power Generation

ACUTELY HAZARDOUS MATERIALS HANDLED[3] -USE ADDITIONAL PAGES IF NECESSARY-

CHEMICAL NAME	QUANTITY
Hydrazine Hydrate (N_2H_4) 35%	200 Gals
Sulfuric Acid (H_2SO_4) 93%	10,000 Gals

GENERAL DESCRIPTION OF PROCESSES AND PRINCIPAL EQUIPMENT[4]:

Hydrazine is used as an oxygen scavenger in the feedwater cycle of the electric power generation process.

Sulfuric acid is used to regenerate demineralizer ion exchange resins and to control pH in the recirculating water systems.

SIGNATURE _____ **TITLE** Senior Engineer

PRINTED NAME Carlos Alcaino **DATE** 7/8/88

ACUTELY HAZARDOUS MATERIALS INFORMATION

COOL WATER GENERATING STATION
E. Santa Fe Street
Daggett, CA 92327
(619) 254-2921

ETIWANDA GENERATING STATION
8996 Etiwanda Avenue
Etiwanda, CA 91739

TYPE OF MATERIAL	Chlorine	Hydrazine, 35%	Sulfuric Acid	Hydrazine	Sulfuric Acid
ACCIDENTS	None	None	None	None	None
PHYSICAL STATE	Gas	Liquid	Liquid	Liquid	Liquid
PIPING PRESSURE	500 psig	N/A		N/A	
PIPING VOLUME	< 1.0 cu. ft.	N/A		N/A	
EQUIP. AGE & COND.	25 years, good	N/A	25 years, good 15 years, exc.	N/A	25 years, good 15 years, exc.
MON. & CONTROL	None	N/A	None	N/A	None
ZONING	Agricultural *	Agricultural *	Agricultural *	Industrial **	Industrial **
NUMBER OF EMPL.					
TYPE OF CONTAINER	Cylinders	55-gallon drums	Above-ground tanks	55-gallon drums	Above-ground tanks
QUANTITY OF MATERIAL	10,000 lbs	8 drums	35,000 gallons	4 drums	10,000 gallons
DOCUMENTATION	Yes	Yes	Yes	Yes	Yes
TYPE OF DOCUMENTATION	Management Plan	Management Plan	Management Plan	Management Plan	Management Plan

* No immobile population facilities in the vicinity

** No known immobile population facilities are located in the vicinity of the plant

Southern California Edison Company

P. O. BOX 800

2244 WALNUT GROVE AVENUE

ROSEMEAD, CALIFORNIA 91770

July 18, 1989

Jennifer Campbell, R. S.
Hazardous Materials Management
Environmental Health Services
385 North Arrowhead Avenue
San Bernardino, CA 92392

Dear Ms. Campbell:

Your office requested additional information on the acutely hazardous materials notifications filed last year. Southern California Edison filed those notifications to comply with requirements of the Office of Emergency Services.

The information in the following pages is provided to satisfy your request for those facilities located in San Bernardino County. Please contact me at (818) 302-1646 should there be any questions on the information provided herein.

Sincerely,

Carlos Alcaino
Senior Engineer

Attachments

Southern California Edison Company

P. O. BOX 800

2244 WALNUT GROVE AVENUE

ROSEMEAD, CALIFORNIA 91770

July 8 1988

San Bernardino County
Department of Environmental Health Services
384 North Arrowhead Avenue
San Bernardino, CA 92415

SUBJECT: Acutely Hazardous Materials Registration Form

Dear Sir:

Attached are completed Acutely Hazardous Materials Registration Forms for Southern California Edison's Cool Water, Etiwanda, Highgrove and San Bernardino Generating Stations. These are submitted in compliance with California Health and Safety Code requirements.

Please contact me at (818) 302-1646 should you have any questions.

Sincerely

Carlos Alcaino

Carlos Alcaino

Attachments