Appendix A:

Air Quality, Greenhouse Gas, and Energy Supporting Information

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Appendix A: Air Quality, Greenhouse Gas, and Energy Supporting Information

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Costa Mesa Bear Street Residential - Construction (Tier 4 Controlled Scenario) and Operations Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Costa Mesa Bear Street Residential - Construction (Tier 4 Controlled Scenario) and Operations
Construction Start Date	12/8/2025
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	19.6
Location	3150 Bear St, Costa Mesa, CA 92626, USA
County	Orange
City	Costa Mesa
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5947
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Single Family Housing	20.0	Dwelling Unit	1.16	32,859	7,579	—	60.0	—

Apartments Mid Rise	122	Dwelling Unit	3.69	189,763	56,593	—	364	3.6 acre includes the 8 building pads and open space of common area
Parking Lot	1.23	Acre	1.23	0.00	8,734	—	—	Balance of site
Recreational Swimming Pool	1.20	1000sqft	0.03	1,200	0.00	—	—	ENTITLEMENT Page 5 says "potential programming such as pool with a restroom", measure approx. 30 by 40 feet and assumes 600 sf of restroom
Other Non-Asphalt Surfaces	166	1000sqft	3.82	166,290	0.00	—	—	166,291 sf of frontage construction (offsite improvement)

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.46	1.22	10.8	14.9	0.02	0.45	2.56	2.73	0.42	0.62	0.77	—	4,671	4,671	0.14	0.30	11.2	4,774
2027	1.13	0.89	5.63	14.3	0.02	0.15	2.56	2.71	0.14	0.62	0.76	—	4,607	4,607	0.14	0.29	10.1	4,706

2028	24.5	24.4	5.29	13.8	0.02	0.13	2.56	2.70	0.12	0.62	0.74	—	4,536	4,536	0.14	0.22	9.06	4,614
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.29	1.65	19.8	15.7	0.05	0.63	5.07	5.70	0.59	0.94	1.53	—	6,966	6,966	0.46	0.77	0.27	7,209
2026	3.81	3.20	29.4	29.7	0.05	1.24	7.93	9.18	1.14	4.00	5.15	—	6,883	6,883	0.43	0.75	0.29	7,116
2027	1.13	0.88	5.70	13.2	0.02	0.15	2.56	2.71	0.14	0.62	0.76	—	4,506	4,506	0.14	0.29	0.26	4,595
2028	1.08	0.85	5.42	12.7	0.02	0.13	2.56	2.70	0.12	0.62	0.74	—	4,437	4,437	0.14	0.29	0.23	4,526
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.11	0.08	0.93	0.74	< 0.005	0.03	0.24	0.27	0.03	0.04	0.07	—	327	327	0.02	0.04	0.21	339
2026	1.14	0.92	8.20	9.89	0.02	0.30	1.42	1.73	0.28	0.44	0.72	—	2,785	2,785	0.12	0.17	1.69	2,842
2027	0.80	0.63	4.13	9.61	0.01	0.11	1.81	1.91	0.10	0.44	0.53	—	3,238	3,238	0.10	0.21	3.12	3,305
2028	4.40	4.31	1.92	4.75	0.01	0.05	0.95	1.00	0.04	0.23	0.27	—	1,634	1,634	0.05	0.11	1.46	1,668
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.02	0.01	0.17	0.13	< 0.005	0.01	0.04	0.05	0.01	0.01	0.01	—	54.2	54.2	< 0.005	0.01	0.04	56.1
2026	0.21	0.17	1.50	1.80	< 0.005	0.06	0.26	0.32	0.05	0.08	0.13	—	461	461	0.02	0.03	0.28	470
2027	0.15	0.12	0.75	1.75	< 0.005	0.02	0.33	0.35	0.02	0.08	0.10	—	536	536	0.02	0.03	0.52	547
2028	0.80	0.79	0.35	0.87	< 0.005	0.01	0.17	0.18	0.01	0.04	0.05	—	270	270	0.01	0.02	0.24	276

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.83	0.73	7.82	15.9	0.02	0.11	2.56	2.59	0.10	0.62	0.65	—	4,671	4,671	0.14	0.30	11.2	4,774
2027	0.81	0.64	5.50	15.3	0.02	0.03	2.56	2.59	0.03	0.62	0.65	—	4,607	4,607	0.14	0.29	10.1	4,706
2028	24.5	24.4	5.37	14.8	0.02	0.03	2.56	2.59	0.03	0.62	0.65	—	4,536	4,536	0.14	0.22	9.06	4,614

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.05	0.64	12.6	14.7	0.05	0.17	5.07	5.24	0.16	0.94	1.10	—	6,966	6,966	0.46	0.77	0.27	7,209
2026	1.03	0.73	15.0	29.2	0.05	0.16	7.93	8.03	0.15	4.00	4.11	—	6,883	6,883	0.43	0.75	0.29	7,116
2027	0.81	0.64	5.57	14.2	0.02	0.03	2.56	2.59	0.03	0.62	0.65	—	4,506	4,506	0.14	0.29	0.26	4,595
2028	0.78	0.62	5.51	13.7	0.02	0.03	2.56	2.59	0.03	0.62	0.65	—	4,437	4,437	0.14	0.29	0.23	4,526
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.05	0.03	0.59	0.69	< 0.005	0.01	0.24	0.25	0.01	0.04	0.05	—	327	327	0.02	0.04	0.21	339
2026	0.49	0.40	5.59	10.1	0.02	0.06	1.42	1.48	0.06	0.44	0.50	—	2,785	2,785	0.12	0.17	1.69	2,842
2027	0.57	0.46	4.03	10.3	0.01	0.02	1.81	1.83	0.02	0.44	0.46	—	3,238	3,238	0.10	0.21	3.12	3,305
2028	4.29	4.23	1.95	5.10	0.01	0.01	0.95	0.96	0.01	0.23	0.24	—	1,634	1,634	0.05	0.11	1.46	1,668
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.01	0.01	0.11	0.13	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	54.2	54.2	< 0.005	0.01	0.04	56.1
2026	0.09	0.07	1.02	1.84	< 0.005	0.01	0.26	0.27	0.01	0.08	0.09	—	461	461	0.02	0.03	0.28	470
2027	0.10	0.08	0.74	1.89	< 0.005	< 0.005	0.33	0.33	< 0.005	0.08	0.08	—	536	536	0.02	0.03	0.52	547
2028	0.78	0.77	0.36	0.93	< 0.005	< 0.005	0.17	0.18	< 0.005	0.04	0.04	—	270	270	0.01	0.02	0.24	276

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.09	2.84	1.85	21.9	0.06	0.03	5.64	5.68	0.03	1.43	1.46	—	5,881	5,881	0.26	0.23	16.5	5,972
Area	7.23	7.09	0.14	15.3	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	544	544	0.05	0.01	—	547
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	946	946	0.09	0.01	—	951
Water	—	—	—	—	—	—	—	—	—	—	—	10.3	40.5	50.9	1.06	0.03	—	85.2
Waste	—	—	—	—	—	—	—	—	—	—	—	60.9	0.00	60.9	6.09	0.00	—	213

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60	1.60
Total	10.3	9.93	1.99	37.2	0.06	0.05	5.64	5.69	0.04	1.43	1.48	71.3	7,411	7,482	7.56	0.27	18.1	7,770
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.07	2.82	2.01	20.5	0.06	0.03	5.64	5.68	0.03	1.43	1.46	—	5,657	5,657	0.28	0.24	0.43	5,735
Area	5.19	5.19	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	493	493	0.05	0.01	—	496
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	946	946	0.09	0.01	—	951
Water	—	—	—	—	—	—	—	—	—	—	—	10.3	40.5	50.9	1.06	0.03	—	85.2
Waste	—	—	—	—	—	—	—	—	—	—	—	60.9	0.00	60.9	6.09	0.00	—	213
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60	1.60
Total	8.27	8.01	2.01	20.5	0.06	0.03	5.64	5.68	0.03	1.43	1.46	71.3	7,136	7,207	7.57	0.28	2.03	7,482
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.82	2.59	1.88	19.4	0.05	0.03	5.16	5.19	0.03	1.31	1.34	—	5,294	5,294	0.25	0.22	6.60	5,373
Area	6.59	6.49	0.09	10.5	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	69.0	69.0	< 0.005	< 0.005	—	69.3
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	946	946	0.09	0.01	—	951
Water	—	—	—	—	—	—	—	—	—	—	—	10.3	40.5	50.9	1.06	0.03	—	85.2
Waste	—	—	—	—	—	—	—	—	—	—	—	60.9	0.00	60.9	6.09	0.00	—	213
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60	1.60
Total	9.41	9.08	1.97	29.9	0.05	0.04	5.16	5.20	0.04	1.31	1.35	71.3	6,349	6,420	7.50	0.26	8.20	6,693
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.52	0.47	0.34	3.54	0.01	0.01	0.94	0.95	0.01	0.24	0.24	—	876	876	0.04	0.04	1.09	889
Area	1.20	1.18	0.02	1.92	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	11.4	11.4	< 0.005	< 0.005	—	11.5
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	157	157	0.01	< 0.005	—	157
Water	—	—	—	—	—	—	—	—	—	—	—	1.71	6.71	8.43	0.18	< 0.005	—	14.1
Waste	—	—	—	—	—	—	—	—	—	—	—	10.1	0.00	10.1	1.01	0.00	—	35.3
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Total	1.72	1.66	0.36	5.46	0.01	0.01	0.94	0.95	0.01	0.24	0.25	11.8	1,051	1,063	1.24	0.04	1.36	1,108

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.09	2.84	1.85	21.9	0.06	0.03	5.64	5.68	0.03	1.43	1.46	—	5,881	5,881	0.26	0.23	16.5	5,972
Area	7.23	7.09	0.14	15.3	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	544	544	0.05	0.01	—	547
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	946	946	0.09	0.01	—	951
Water	—	—	—	—	—	—	—	—	—	—	—	10.3	40.5	50.9	1.06	0.03	—	85.2
Waste	—	—	—	—	—	—	—	—	—	—	—	60.9	0.00	60.9	6.09	0.00	—	213
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60	1.60
Total	10.3	9.93	1.99	37.2	0.06	0.05	5.64	5.69	0.04	1.43	1.48	71.3	7,411	7,482	7.56	0.27	18.1	7,770
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	3.07	2.82	2.01	20.5	0.06	0.03	5.64	5.68	0.03	1.43	1.46	—	5,657	5,657	0.28	0.24	0.43	5,735
Area	5.19	5.19	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	493	493	0.05	0.01	—	496
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	946	946	0.09	0.01	—	951
Water	—	—	—	—	—	—	—	—	—	—	—	10.3	40.5	50.9	1.06	0.03	—	85.2
Waste	—	—	—	—	—	—	—	—	—	—	—	60.9	0.00	60.9	6.09	0.00	—	213
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60	1.60
Total	8.27	8.01	2.01	20.5	0.06	0.03	5.64	5.68	0.03	1.43	1.46	71.3	7,136	7,207	7.57	0.28	2.03	7,482
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.82	2.59	1.88	19.4	0.05	0.03	5.16	5.19	0.03	1.31	1.34	—	5,294	5,294	0.25	0.22	6.60	5,373
Area	6.59	6.49	0.09	10.5	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	69.0	69.0	< 0.005	< 0.005	—	69.3
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	946	946	0.09	0.01	—	951
Water	—	—	—	—	—	—	—	—	—	—	—	10.3	40.5	50.9	1.06	0.03	—	85.2
Waste	—	—	—	—	—	—	—	—	—	—	—	60.9	0.00	60.9	6.09	0.00	—	213

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60	1.60
Total	9.41	9.08	1.97	29.9	0.05	0.04	5.16	5.20	0.04	1.31	1.35	71.3	6,349	6,420	7.50	0.26	8.20	6,693
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.52	0.47	0.34	3.54	0.01	0.01	0.94	0.95	0.01	0.24	0.24	—	876	876	0.04	0.04	1.09	889
Area	1.20	1.18	0.02	1.92	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	11.4	11.4	< 0.005	< 0.005	—	11.5
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	157	157	0.01	< 0.005	—	157
Water	—	—	—	—	—	—	—	—	—	—	—	1.71	6.71	8.43	0.18	< 0.005	—	14.1
Waste	—	—	—	—	—	—	—	—	—	—	—	10.1	0.00	10.1	1.01	0.00	—	35.3
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Total	1.72	1.66	0.36	5.46	0.01	0.01	0.94	0.95	0.01	0.24	0.25	11.8	1,051	1,063	1.24	0.04	1.36	1,108

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.79	1.50	13.9	12.5	0.02	0.57	—	0.57	0.53	—	0.53	—	2,141	2,141	0.09	0.02	—	2,148
Demolition	—	—	—	—	—	—	3.67	3.67	—	0.56	0.56	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.65	0.58	< 0.005	0.03	—	0.03	0.02	—	0.02	—	101	101	< 0.005	< 0.005	—	101
Demolition	—	—	—	—	—	—	0.17	0.17	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.12	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.6	16.6	< 0.005	< 0.005	—	16.7
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.73	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	0.01	0.02	192
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.44	0.09	5.84	2.51	0.03	0.06	1.20	1.26	0.06	0.34	0.40	—	4,636	4,636	0.38	0.75	0.25	4,869
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.02	9.02	< 0.005	< 0.005	0.02	9.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.28	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	218	218	0.02	0.04	0.20	229

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.49	1.49	< 0.005	< 0.005	< 0.005	1.51
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	36.0	36.0	< 0.005	0.01	0.03	37.9

3.2. Demolition (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.55	0.49	6.70	11.5	0.02	0.11	—	0.11	0.10	—	0.10	—	2,141	2,141	0.09	0.02	—	2,148
Demolition	—	—	—	—	—	—	3.67	3.67	—	0.56	0.56	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.31	0.54	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	101	101	< 0.005	< 0.005	—	101
Demolition	—	—	—	—	—	—	0.17	0.17	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	< 0.005	< 0.005	0.06	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.6	16.6	< 0.005	< 0.005	—	16.7
Demoliti on	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.73	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	0.01	0.02	192
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.44	0.09	5.84	2.51	0.03	0.06	1.20	1.26	0.06	0.34	0.40	—	4,636	4,636	0.38	0.75	0.25	4,869
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.02	9.02	< 0.005	< 0.005	0.02	9.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.28	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	218	218	0.02	0.04	0.20	229
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.49	1.49	< 0.005	< 0.005	< 0.005	1.51
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	36.0	36.0	< 0.005	0.01	0.03	37.9

3.3. Demolition (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.70	1.43	12.9	11.9	0.02	0.53	—	0.53	0.48	—	0.48	—	2,142	2,142	0.09	0.02	—	2,149
Demolition	—	—	—	—	—	—	3.67	3.67	—	0.56	0.56	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.76	0.70	< 0.005	0.03	—	0.03	0.03	—	0.03	—	126	126	0.01	< 0.005	—	126
Demolition	—	—	—	—	—	—	0.22	0.22	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.14	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	20.8	20.8	< 0.005	< 0.005	—	20.9
Demolition	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.68	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	0.02	188
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.44	0.06	5.63	2.43	0.03	0.06	1.20	1.26	0.06	0.34	0.40	—	4,555	4,555	0.34	0.72	0.24	4,779
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.1	11.1	< 0.005	< 0.005	0.02	11.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	< 0.005	0.33	0.14	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	267	267	0.02	0.04	0.23	281
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.83	1.83	< 0.005	< 0.005	< 0.005	1.86
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	44.3	44.3	< 0.005	0.01	0.04	46.5

3.4. Demolition (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.54	0.48	6.65	11.5	0.02	0.10	—	0.10	0.09	—	0.09	—	2,142	2,142	0.09	0.02	—	2,149
Demolition	—	—	—	—	—	—	3.67	3.67	—	0.56	0.56	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.39	0.67	< 0.005	0.01	—	0.01	0.01	—	0.01	—	126	126	0.01	< 0.005	—	126
Demolition	—	—	—	—	—	—	0.22	0.22	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.8	20.8	< 0.005	< 0.005	—	20.9
Demolition	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.68	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	0.02	188
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.44	0.06	5.63	2.43	0.03	0.06	1.20	1.26	0.06	0.34	0.40	—	4,555	4,555	0.34	0.72	0.24	4,779
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.1	11.1	< 0.005	< 0.005	0.02	11.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.03	< 0.005	0.33	0.14	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	267	267	0.02	0.04	0.23	281
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.83	1.83	< 0.005	< 0.005	< 0.005	1.86
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	44.3	44.3	< 0.005	0.01	0.04	46.5

3.5. Site Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.74	3.14	29.2	28.8	0.05	1.24	—	1.24	1.14	—	1.14	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.80	0.79	< 0.005	0.03	—	0.03	0.03	—	0.03	—	145	145	0.01	< 0.005	—	146

Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.80	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	217	217	< 0.005	0.01	0.02	219
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.17	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.01	144
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.02	6.02	< 0.005	< 0.005	0.01	6.10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.76	3.76	< 0.005	< 0.005	< 0.005	3.94
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.00	1.00	< 0.005	< 0.005	< 0.005	1.01

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.62	0.62	< 0.005	< 0.005	< 0.005	0.65

3.6. Site Preparation (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.64	14.7	28.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.40	0.78	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.07	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.80	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	217	217	< 0.005	0.01	0.02	219
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.17	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.01	144
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.02	6.02	< 0.005	< 0.005	0.01	6.10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.76	3.76	< 0.005	< 0.005	< 0.005	3.94
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.00	1.00	< 0.005	< 0.005	< 0.005	1.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.62	0.62	< 0.005	< 0.005	< 0.005	0.65

3.7. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	1.65	15.0	17.4	0.03	0.65	—	0.65	0.59	—	0.59	—	2,960	2,960	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.14	1.23	1.43	< 0.005	0.05	—	0.05	0.05	—	0.05	—	243	243	0.01	< 0.005	—	244
Dust From Material Movement	—	—	—	—	—	—	0.23	0.23	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	40.3	40.3	< 0.005	< 0.005	—	40.4

Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.68	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	0.02	188
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.32	0.05	4.05	1.75	0.02	0.04	0.87	0.91	0.04	0.24	0.28	—	3,279	3,279	0.25	0.52	0.17	3,440
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.5	15.5	< 0.005	< 0.005	0.02	15.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	< 0.005	0.34	0.14	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	269	269	0.02	0.04	0.24	283
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.56	2.56	< 0.005	< 0.005	< 0.005	2.60
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	44.6	44.6	< 0.005	0.01	0.04	46.8

3.8. Grading (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.47	10.00	17.8	0.03	0.08	—	0.08	0.07	—	0.07	—	2,960	2,960	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	0.82	1.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	243	243	0.01	< 0.005	—	244
Dust From Material Movement	—	—	—	—	—	—	0.23	0.23	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.15	0.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	40.3	40.3	< 0.005	< 0.005	—	40.4
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.68	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	0.02	188
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.32	0.05	4.05	1.75	0.02	0.04	0.87	0.91	0.04	0.24	0.28	—	3,279	3,279	0.25	0.52	0.17	3,440
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.5	15.5	< 0.005	< 0.005	0.02	15.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	< 0.005	0.34	0.14	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	269	269	0.02	0.04	0.24	283
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.56	2.56	< 0.005	< 0.005	< 0.005	2.60
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	44.6	44.6	< 0.005	0.01	0.04	46.8

3.9. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.48	0.40	3.88	5.40	0.01	0.16	—	0.16	0.14	—	0.14	—	1,043	1,043	0.04	0.01	—	1,047
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	0.40	3.88	5.40	0.01	0.16	—	0.16	0.14	—	0.14	—	1,043	1,043	0.04	0.01	—	1,047
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.82	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	220	220	0.01	< 0.005	—	221
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	36.5	36.5	< 0.005	< 0.005	—	36.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.56	0.50	8.72	0.00	0.00	2.16	2.16	0.00	0.51	0.51	—	2,154	2,154	0.03	0.08	7.49	2,185
Vendor	0.10	0.03	1.36	0.68	0.01	0.01	0.36	0.37	0.01	0.10	0.11	—	1,337	1,337	0.07	0.19	3.45	1,398

Hauling	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.28	144
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.56	0.58	7.52	0.00	0.00	2.16	2.16	0.00	0.51	0.51	—	2,050	2,050	0.03	0.08	0.19	2,074
Vendor	0.10	0.03	1.42	0.70	0.01	0.01	0.36	0.37	0.01	0.10	0.11	—	1,338	1,338	0.07	0.19	0.09	1,396
Hauling	0.01	< 0.005	0.17	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.01	144
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.12	1.65	0.00	0.00	0.45	0.45	0.00	0.11	0.11	—	439	439	0.01	0.02	0.68	445
Vendor	0.02	0.01	0.30	0.15	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	283	283	0.01	0.04	0.32	295
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	29.0	29.0	< 0.005	< 0.005	0.03	30.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.30	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	72.7	72.7	< 0.005	< 0.005	0.11	73.7
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	46.8	46.8	< 0.005	0.01	0.05	48.9
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.80	4.80	< 0.005	< 0.005	< 0.005	5.04

3.10. Building Construction (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.14	3.54	6.40	0.01	0.02	—	0.02	0.02	—	0.02	—	1,043	1,043	0.04	0.01	—	1,047
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.14	3.54	6.40	0.01	0.02	—	0.02	0.02	—	0.02	—	1,043	1,043	0.04	0.01	—	1,047
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.75	1.35	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	220	220	0.01	< 0.005	—	221
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.14	0.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	36.5	36.5	< 0.005	< 0.005	—	36.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.56	0.50	8.72	0.00	0.00	2.16	2.16	0.00	0.51	0.51	—	2,154	2,154	0.03	0.08	7.49	2,185
Vendor	0.10	0.03	1.36	0.68	0.01	0.01	0.36	0.37	0.01	0.10	0.11	—	1,337	1,337	0.07	0.19	3.45	1,398
Hauling	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.28	144
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.56	0.58	7.52	0.00	0.00	2.16	2.16	0.00	0.51	0.51	—	2,050	2,050	0.03	0.08	0.19	2,074

Vendor	0.10	0.03	1.42	0.70	0.01	0.01	0.36	0.37	0.01	0.10	0.11	—	1,338	1,338	0.07	0.19	0.09	1,396
Hauling	0.01	< 0.005	0.17	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.01	144
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.12	1.65	0.00	0.00	0.45	0.45	0.00	0.11	0.11	—	439	439	0.01	0.02	0.68	445
Vendor	0.02	0.01	0.30	0.15	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	283	283	0.01	0.04	0.32	295
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	29.0	29.0	< 0.005	< 0.005	0.03	30.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.30	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	72.7	72.7	< 0.005	< 0.005	0.11	73.7
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	46.8	46.8	< 0.005	0.01	0.05	48.9
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.80	4.80	< 0.005	< 0.005	< 0.005	5.04

3.11. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.39	3.67	5.39	0.01	0.14	—	0.14	0.13	—	0.13	—	1,043	1,043	0.04	0.01	—	1,046
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.39	3.67	5.39	0.01	0.14	—	0.14	0.13	—	0.13	—	1,043	1,043	0.04	0.01	—	1,046

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.28	2.62	3.85	0.01	0.10	—	0.10	0.09	—	0.09	—	745	745	0.03	0.01	—	747
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.48	0.70	< 0.005	0.02	—	0.02	0.02	—	0.02	—	123	123	0.01	< 0.005	—	124
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.55	0.47	0.50	8.18	0.00	0.00	2.16	2.16	0.00	0.51	0.51	—	2,117	2,117	0.02	0.08	6.71	2,148
Vendor	0.10	0.03	1.31	0.65	0.01	0.01	0.36	0.37	0.01	0.10	0.11	—	1,312	1,312	0.07	0.18	3.14	1,371
Hauling	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	134	134	0.01	0.02	0.26	141
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.55	0.47	0.51	7.03	0.00	0.00	2.16	2.16	0.00	0.51	0.51	—	2,015	2,015	0.03	0.08	0.17	2,039
Vendor	0.10	0.03	1.36	0.66	0.01	0.01	0.36	0.37	0.01	0.10	0.11	—	1,313	1,313	0.07	0.18	0.08	1,368
Hauling	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	134	134	0.01	0.02	0.01	141
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39	0.33	0.41	5.24	0.00	0.00	1.52	1.52	0.00	0.36	0.36	—	1,459	1,459	0.02	0.06	2.07	1,478
Vendor	0.07	0.02	0.98	0.47	0.01	0.01	0.26	0.26	0.01	0.07	0.08	—	938	938	0.05	0.13	0.97	978

Hauling	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	96.0	96.0	0.01	0.02	0.08	101
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.96	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	242	242	< 0.005	0.01	0.34	245
Vendor	0.01	< 0.005	0.18	0.09	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	155	155	0.01	0.02	0.16	162
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.9	15.9	< 0.005	< 0.005	0.01	16.7

3.12. Building Construction (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.14	3.54	6.40	0.01	0.02	—	0.02	0.02	—	0.02	—	1,043	1,043	0.04	0.01	—	1,046
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.14	3.54	6.40	0.01	0.02	—	0.02	0.02	—	0.02	—	1,043	1,043	0.04	0.01	—	1,046
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.10	2.53	4.57	0.01	0.01	—	0.01	0.01	—	0.01	—	745	745	0.03	0.01	—	747

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.46	0.83	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	123	123	0.01	< 0.005	—	124
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.55	0.47	0.50	8.18	0.00	0.00	2.16	2.16	0.00	0.51	0.51	—	2,117	2,117	0.02	0.08	6.71	2,148
Vendor	0.10	0.03	1.31	0.65	0.01	0.01	0.36	0.37	0.01	0.10	0.11	—	1,312	1,312	0.07	0.18	3.14	1,371
Hauling	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	134	134	0.01	0.02	0.26	141
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.55	0.47	0.51	7.03	0.00	0.00	2.16	2.16	0.00	0.51	0.51	—	2,015	2,015	0.03	0.08	0.17	2,039
Vendor	0.10	0.03	1.36	0.66	0.01	0.01	0.36	0.37	0.01	0.10	0.11	—	1,313	1,313	0.07	0.18	0.08	1,368
Hauling	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	134	134	0.01	0.02	0.01	141
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39	0.33	0.41	5.24	0.00	0.00	1.52	1.52	0.00	0.36	0.36	—	1,459	1,459	0.02	0.06	2.07	1,478
Vendor	0.07	0.02	0.98	0.47	0.01	0.01	0.26	0.26	0.01	0.07	0.08	—	938	938	0.05	0.13	0.97	978
Hauling	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	96.0	96.0	0.01	0.02	0.08	101
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.96	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	242	242	< 0.005	0.01	0.34	245
Vendor	0.01	< 0.005	0.18	0.09	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	155	155	0.01	0.02	0.16	162
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.9	15.9	< 0.005	< 0.005	0.01	16.7

3.13. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.37	3.46	5.40	0.01	0.12	—	0.12	0.11	—	0.11	—	1,043	1,043	0.04	0.01	—	1,047
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.37	3.46	5.40	0.01	0.12	—	0.12	0.11	—	0.11	—	1,043	1,043	0.04	0.01	—	1,047
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	1.20	1.87	< 0.005	0.04	—	0.04	0.04	—	0.04	—	361	361	0.01	< 0.005	—	363
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.8	59.8	< 0.005	< 0.005	—	60.0

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.54	0.46	0.42	7.72	0.00	0.00	2.16	2.16	0.00	0.51	0.51	—	2,080	2,080	0.02	0.01	6.00	2,089
Vendor	0.09	0.03	1.26	0.63	0.01	0.01	0.36	0.37	0.01	0.10	0.11	—	1,282	1,282	0.06	0.18	2.82	1,340
Hauling	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	131	131	0.01	0.02	0.24	138
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53	0.45	0.50	6.63	0.00	0.00	2.16	2.16	0.00	0.51	0.51	—	1,979	1,979	0.03	0.08	0.16	2,003
Vendor	0.09	0.03	1.31	0.64	0.01	0.01	0.36	0.37	0.01	0.10	0.11	—	1,283	1,283	0.07	0.18	0.07	1,338
Hauling	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	131	131	0.01	0.02	0.01	138
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.16	0.17	2.40	0.00	0.00	0.74	0.74	0.00	0.17	0.17	—	695	695	0.01	0.03	0.90	704
Vendor	0.03	0.01	0.45	0.22	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.04	—	444	444	0.02	0.06	0.42	464
Hauling	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	45.5	45.5	< 0.005	0.01	0.04	47.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.44	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	115	115	< 0.005	< 0.005	0.15	117
Vendor	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	73.5	73.5	< 0.005	0.01	0.07	76.8
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.53	7.53	< 0.005	< 0.005	0.01	7.91

3.14. Building Construction (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.14	3.54	6.40	0.01	0.02	—	0.02	0.02	—	0.02	—	1,043	1,043	0.04	0.01	—	1,047
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.14	3.54	6.40	0.01	0.02	—	0.02	0.02	—	0.02	—	1,043	1,043	0.04	0.01	—	1,047
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	1.23	2.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	361	361	0.01	< 0.005	—	363
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.22	0.40	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	59.8	59.8	< 0.005	< 0.005	—	60.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.54	0.46	0.42	7.72	0.00	0.00	2.16	2.16	0.00	0.51	0.51	—	2,080	2,080	0.02	0.01	6.00	2,089
Vendor	0.09	0.03	1.26	0.63	0.01	0.01	0.36	0.37	0.01	0.10	0.11	—	1,282	1,282	0.06	0.18	2.82	1,340
Hauling	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	131	131	0.01	0.02	0.24	138
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53	0.45	0.50	6.63	0.00	0.00	2.16	2.16	0.00	0.51	0.51	—	1,979	1,979	0.03	0.08	0.16	2,003
Vendor	0.09	0.03	1.31	0.64	0.01	0.01	0.36	0.37	0.01	0.10	0.11	—	1,283	1,283	0.07	0.18	0.07	1,338
Hauling	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	131	131	0.01	0.02	0.01	138
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.16	0.17	2.40	0.00	0.00	0.74	0.74	0.00	0.17	0.17	—	695	695	0.01	0.03	0.90	704
Vendor	0.03	0.01	0.45	0.22	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.04	—	444	444	0.02	0.06	0.42	464
Hauling	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	45.5	45.5	< 0.005	0.01	0.04	47.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.44	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	115	115	< 0.005	< 0.005	0.15	117
Vendor	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	73.5	73.5	< 0.005	0.01	0.07	76.8
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.53	7.53	< 0.005	< 0.005	0.01	7.91

3.15. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.16	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.16	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.39	0.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.79	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	195	195	< 0.005	0.01	0.68	198
Vendor	0.03	0.01	0.45	0.22	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	439	439	0.02	0.06	1.13	459

Hauling	0.05	0.01	0.57	0.25	< 0.005	0.01	0.13	0.13	0.01	0.04	0.04	—	480	480	0.04	0.08	0.97	504
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.68	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	0.02	188
Vendor	0.03	0.01	0.47	0.23	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	439	439	0.02	0.06	0.03	458
Hauling	0.05	0.01	0.59	0.26	< 0.005	0.01	0.13	0.13	0.01	0.04	0.04	—	480	480	0.04	0.08	0.03	503
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.3	10.3	< 0.005	< 0.005	0.02	10.5
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.1	24.1	< 0.005	< 0.005	0.03	25.1
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.3	26.3	< 0.005	< 0.005	0.02	27.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.71	1.71	< 0.005	< 0.005	< 0.005	1.73
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.98	3.98	< 0.005	< 0.005	< 0.005	4.16
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.35	4.35	< 0.005	< 0.005	< 0.005	4.57

3.16. Paving (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.45	6.75	10.6	0.01	0.10	—	0.10	0.09	—	0.09	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.16	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.45	6.75	10.6	0.01	0.10	—	0.10	0.09	—	0.09	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.16	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.37	0.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.07	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.79	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	195	195	< 0.005	0.01	0.68	198
Vendor	0.03	0.01	0.45	0.22	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	439	439	0.02	0.06	1.13	459
Hauling	0.05	0.01	0.57	0.25	< 0.005	0.01	0.13	0.13	0.01	0.04	0.04	—	480	480	0.04	0.08	0.97	504

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.68	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	0.02	188
Vendor	0.03	0.01	0.47	0.23	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	439	439	0.02	0.06	0.03	458
Hauling	0.05	0.01	0.59	0.26	< 0.005	0.01	0.13	0.13	0.01	0.04	0.04	—	480	480	0.04	0.08	0.03	503
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.3	10.3	< 0.005	< 0.005	0.02	10.5
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.1	24.1	< 0.005	< 0.005	0.03	25.1
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.3	26.3	< 0.005	< 0.005	0.02	27.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.71	1.71	< 0.005	< 0.005	< 0.005	1.73
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.98	3.98	< 0.005	< 0.005	< 0.005	4.16
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.35	4.35	< 0.005	< 0.005	< 0.005	4.57

3.17. Architectural Coating (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	24.3	24.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	4.00	4.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.73	0.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.08	1.54	0.00	0.00	0.43	0.43	0.00	0.10	0.10	—	416	416	< 0.005	< 0.005	1.20	418
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	131	131	0.01	0.02	0.24	138

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	66.0	66.0	< 0.005	< 0.005	0.09	66.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.6	21.6	< 0.005	< 0.005	0.02	22.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	0.01	11.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.57	3.57	< 0.005	< 0.005	< 0.005	3.75

3.18. Architectural Coating (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	24.3	24.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	4.00	4.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.73	0.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.08	1.54	0.00	0.00	0.43	0.43	0.00	0.10	0.10	—	416	416	< 0.005	< 0.005	1.20	418
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	131	131	0.01	0.02	0.24	138
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	66.0	66.0	< 0.005	< 0.005	0.09	66.8

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.6	21.6	< 0.005	< 0.005	0.02	22.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	0.01	11.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.57	3.57	< 0.005	< 0.005	< 0.005	3.75

3.19. Utility Installation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.42	1.19	10.6	10.4	0.02	0.45	—	0.45	0.42	—	0.42	—	1,877	1,877	0.08	0.02	—	1,883
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	0.33	2.94	2.88	< 0.005	0.13	—	0.13	0.12	—	0.12	—	519	519	0.02	< 0.005	—	521
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.07	0.06	0.54	0.52	< 0.005	0.02	—	0.02	0.02	—	0.02	—	86.0	86.0	< 0.005	< 0.005	—	86.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.40	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	97.7	97.7	< 0.005	< 0.005	0.34	99.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.28	144
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	26.1	26.1	< 0.005	< 0.005	0.04	26.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	37.9	37.9	< 0.005	0.01	0.03	39.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.32	4.32	< 0.005	< 0.005	0.01	4.37
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.28	6.28	< 0.005	< 0.005	0.01	6.59

3.20. Utility Installation (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.41	0.38	5.77	10.2	0.02	0.08	—	0.08	0.08	—	0.08	—	1,877	1,877	0.08	0.02	—	1,883
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.11	0.10	1.60	2.82	< 0.005	0.02	—	0.02	0.02	—	0.02	—	519	519	0.02	< 0.005	—	521
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.02	0.02	0.29	0.51	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	86.0	86.0	< 0.005	< 0.005	—	86.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.40	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	97.7	97.7	< 0.005	< 0.005	0.34	99.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.28	144
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	26.1	26.1	< 0.005	< 0.005	0.04	26.4

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	37.9	37.9	< 0.005	0.01	0.03	39.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.32	4.32	< 0.005	< 0.005	0.01	4.37
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.28	6.28	< 0.005	< 0.005	0.01	6.59

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.59	0.54	0.36	4.30	0.01	0.01	1.12	1.12	0.01	0.28	0.29	—	1,164	1,164	0.05	0.04	3.27	1,182
Apartments Mid Rise	2.50	2.30	1.49	17.6	0.05	0.03	4.53	4.55	0.02	1.15	1.17	—	4,717	4,717	0.21	0.18	13.2	4,790
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Total	3.09	2.84	1.85	21.9	0.06	0.03	5.64	5.68	0.03	1.43	1.46	—	5,881	5,881	0.26	0.23	16.5	5,972
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.59	0.54	0.39	4.02	0.01	0.01	1.12	1.12	0.01	0.28	0.29	—	1,120	1,120	0.05	0.05	0.08	1,135
Apartments Mid Rise	2.48	2.28	1.62	16.5	0.04	0.03	4.53	4.55	0.02	1.15	1.17	—	4,537	4,537	0.22	0.19	0.34	4,600
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	3.07	2.82	2.01	20.5	0.06	0.03	5.64	5.68	0.03	1.43	1.46	—	5,657	5,657	0.28	0.24	0.43	5,735
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.11	0.10	0.07	0.74	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	185	185	0.01	0.01	0.23	187
Apartments Mid Rise	0.41	0.38	0.27	2.80	0.01	< 0.005	0.74	0.75	< 0.005	0.19	0.19	—	692	692	0.03	0.03	0.86	702
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.52	0.47	0.34	3.54	0.01	0.01	0.94	0.95	0.01	0.24	0.24	—	876	876	0.04	0.04	1.09	889

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.59	0.54	0.36	4.30	0.01	0.01	1.12	1.12	0.01	0.28	0.29	—	1,164	1,164	0.05	0.04	3.27	1,182
Apartments Mid Rise	2.50	2.30	1.49	17.6	0.05	0.03	4.53	4.55	0.02	1.15	1.17	—	4,717	4,717	0.21	0.18	13.2	4,790
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	3.09	2.84	1.85	21.9	0.06	0.03	5.64	5.68	0.03	1.43	1.46	—	5,881	5,881	0.26	0.23	16.5	5,972
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.59	0.54	0.39	4.02	0.01	0.01	1.12	1.12	0.01	0.28	0.29	—	1,120	1,120	0.05	0.05	0.08	1,135

Apartments	2.48	2.28	1.62	16.5	0.04	0.03	4.53	4.55	0.02	1.15	1.17	—	4,537	4,537	0.22	0.19	0.34	4,600
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	3.07	2.82	2.01	20.5	0.06	0.03	5.64	5.68	0.03	1.43	1.46	—	5,657	5,657	0.28	0.24	0.43	5,735
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.11	0.10	0.07	0.74	< 0.005	< 0.005	0.20	0.20	< 0.005	0.05	0.05	—	185	185	0.01	0.01	0.23	187
Apartments Mid Rise	0.41	0.38	0.27	2.80	0.01	< 0.005	0.74	0.75	< 0.005	0.19	0.19	—	692	692	0.03	0.03	0.86	702
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.52	0.47	0.34	3.54	0.01	0.01	0.94	0.95	0.01	0.24	0.24	—	876	876	0.04	0.04	1.09	889

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	220	220	0.02	< 0.005	—	222
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	681	681	0.06	0.01	—	685
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	44.5	44.5	< 0.005	< 0.005	—	44.8
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	946	946	0.09	0.01	—	951
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	220	220	0.02	< 0.005	—	222
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	681	681	0.06	0.01	—	685
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	44.5	44.5	< 0.005	< 0.005	—	44.8

Recreational Swimming	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	946	946	0.09	0.01	—	951
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	36.5	36.5	< 0.005	< 0.005	—	36.7
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	113	113	0.01	< 0.005	—	113
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	7.37	7.37	< 0.005	< 0.005	—	7.41
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	157	157	0.01	< 0.005	—	157

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	220	220	0.02	< 0.005	—	222
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	681	681	0.06	0.01	—	685
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	44.5	44.5	< 0.005	< 0.005	—	44.8
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	946	946	0.09	0.01	—	951
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	220	220	0.02	< 0.005	—	222
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	681	681	0.06	0.01	—	685
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	44.5	44.5	< 0.005	< 0.005	—	44.8
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	946	946	0.09	0.01	—	951

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	36.5	36.5	< 0.005	< 0.005	—	36.7
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	113	113	0.01	< 0.005	—	113
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	7.37	7.37	< 0.005	< 0.005	—	7.41
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	157	157	0.01	< 0.005	—	157

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Recreational Swimmi Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	493	493	0.05	0.01	—	496
Consumer Products	4.79	4.79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.40	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.03	1.89	0.14	15.3	< 0.005	0.02	—	0.02	0.01	—	0.01	—	51.4	51.4	< 0.005	< 0.005	—	51.6
Total	7.23	7.09	0.14	15.3	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	544	544	0.05	0.01	—	547
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	493	493	0.05	0.01	—	496
Consumer Products	4.79	4.79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.40	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	5.19	5.19	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	493	493	0.05	0.01	—	496

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	5.59	5.59	< 0.005	< 0.005	—	5.62
Consumer Products	0.87	0.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.25	0.24	0.02	1.92	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.83	5.83	< 0.005	< 0.005	—	5.85
Total	1.20	1.18	0.02	1.92	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	11.4	11.4	< 0.005	< 0.005	—	11.5

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	493	493	0.05	0.01	—	496
Consumer Products	4.79	4.79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.40	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.03	1.89	0.14	15.3	< 0.005	0.02	—	0.02	0.01	—	0.01	—	51.4	51.4	< 0.005	< 0.005	—	51.6
Total	7.23	7.09	0.14	15.3	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	544	544	0.05	0.01	—	547

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	493	493	0.05	0.01	—	496
Consumer Products	4.79	4.79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.40	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	5.19	5.19	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	493	493	0.05	0.01	—	496
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	5.59	5.59	< 0.005	< 0.005	—	5.62
Consumer Products	0.87	0.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.25	0.24	0.02	1.92	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.83	5.83	< 0.005	< 0.005	—	5.85
Total	1.20	1.18	0.02	1.92	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	11.4	11.4	< 0.005	< 0.005	—	11.5

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.44	5.45	6.89	0.15	< 0.005	—	11.7
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	8.77	34.1	42.8	0.90	0.02	—	71.9
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.57	0.57	< 0.005	< 0.005	—	0.57
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.14	0.46	0.59	0.01	< 0.005	—	1.04
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	10.3	40.5	50.9	1.06	0.03	—	85.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.44	5.45	6.89	0.15	< 0.005	—	11.7
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	8.77	34.1	42.8	0.90	0.02	—	71.9
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.57	0.57	< 0.005	< 0.005	—	0.57
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.14	0.46	0.59	0.01	< 0.005	—	1.04

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	10.3	40.5	50.9	1.06	0.03	—	85.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	0.24	0.90	1.14	0.02	< 0.005	—	1.93
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	1.45	5.64	7.09	0.15	< 0.005	—	11.9
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.09	0.09	< 0.005	< 0.005	—	0.09
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.02	0.08	0.10	< 0.005	< 0.005	—	0.17
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1.71	6.71	8.43	0.18	< 0.005	—	14.1

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.44	5.45	6.89	0.15	< 0.005	—	11.7
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	8.77	34.1	42.8	0.90	0.02	—	71.9

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.57	0.57	< 0.005	< 0.005	—	0.57
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.14	0.46	0.59	0.01	< 0.005	—	1.04
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	10.3	40.5	50.9	1.06	0.03	—	85.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.44	5.45	6.89	0.15	< 0.005	—	11.7
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	8.77	34.1	42.8	0.90	0.02	—	71.9
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.57	0.57	< 0.005	< 0.005	—	0.57
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.14	0.46	0.59	0.01	< 0.005	—	1.04
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	10.3	40.5	50.9	1.06	0.03	—	85.2
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	0.24	0.90	1.14	0.02	< 0.005	—	1.93

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	1.45	5.64	7.09	0.15	< 0.005	—	11.9
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.09	0.09	< 0.005	< 0.005	—	0.09
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.02	0.08	0.10	< 0.005	< 0.005	—	0.17
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1.71	6.71	8.43	0.18	< 0.005	—	14.1

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	8.58	0.00	8.58	0.86	0.00	—	30.0
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	48.7	0.00	48.7	4.87	0.00	—	170
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	3.69	0.00	3.69	0.37	0.00	—	12.9
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	60.9	0.00	60.9	6.09	0.00	—	213
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	8.58	0.00	8.58	0.86	0.00	—	30.0
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	48.7	0.00	48.7	4.87	0.00	—	170
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	3.69	0.00	3.69	0.37	0.00	—	12.9
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	60.9	0.00	60.9	6.09	0.00	—	213
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.42	0.00	1.42	0.14	0.00	—	4.97
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	8.06	0.00	8.06	0.81	0.00	—	28.2

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.61	0.00	0.61	0.06	0.00	—	2.14
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	10.1	0.00	10.1	1.01	0.00	—	35.3

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	8.58	0.00	8.58	0.86	0.00	—	30.0
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	48.7	0.00	48.7	4.87	0.00	—	170
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	3.69	0.00	3.69	0.37	0.00	—	12.9
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	60.9	0.00	60.9	6.09	0.00	—	213

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	8.58	0.00	8.58	0.86	0.00	—	30.0
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	48.7	0.00	48.7	4.87	0.00	—	170
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	3.69	0.00	3.69	0.37	0.00	—	12.9
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	60.9	0.00	60.9	6.09	0.00	—	213
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.42	0.00	1.42	0.14	0.00	—	4.97
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	8.06	0.00	8.06	0.81	0.00	—	28.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.61	0.00	0.61	0.06	0.00	—	2.14
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	10.1	0.00	10.1	1.01	0.00	—	35.3

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.36	1.36
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60	1.60
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.36	1.36

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60	1.60
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.36	1.36

Recreational Swimming	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60	1.60
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.36	1.36
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60	1.60
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	12/8/2025	1/30/2026	5.00	40.0	Increase from 20 to 40 days due to large amount of debris to be transported
Site Preparation	Site Preparation	1/31/2026	2/13/2026	5.00	10.0	Default number of days
Grading	Grading	2/14/2026	3/27/2026	5.00	30.0	Increased from 20 to 30 days to better match applicant-provided schedule
Building Construction	Building Construction	9/15/2026	6/25/2028	5.00	464	Increased from 230 days to 464 to match applicant-provided schedule
Paving	Paving	3/28/2026	4/24/2026	5.00	20.0	Default number of days

Architectural Coating	Architectural Coating	6/26/2028	9/15/2028	5.00	60.0	Increased from 20 to 60 days to match applicant-provided schedule
Utility Installation	Trenching	4/25/2026	9/14/2026	5.00	101	Remaining days to match 7-month schedule for site development, grading, utility installation, and roadway construction

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	5.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	5.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	5.00	33.0	0.73
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	4.00	82.0	0.20
Building Construction	Generator Sets	Electric	Average	1.00	4.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	3.50	367	0.29
Building Construction	Welders	Electric	Average	1.00	4.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	3.50	84.0	0.37

Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48
Utility Installation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Utility Installation	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Utility Installation	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Interim	2.00	5.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	5.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	5.00	33.0	0.73
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Interim	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 4 Interim	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	3.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Tier 4 Interim	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Tier 4 Interim	3.00	4.00	82.0	0.20
Building Construction	Generator Sets	Electric	Average	1.00	4.00	14.0	0.74
Building Construction	Cranes	Diesel	Tier 4 Interim	1.00	3.50	367	0.29
Building Construction	Welders	Electric	Average	1.00	4.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	3.00	3.50	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Interim	2.00	8.00	81.0	0.42

Paving	Paving Equipment	Diesel	Tier 4 Interim	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48
Utility Installation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Interim	1.00	8.00	84.0	0.37
Utility Installation	Rubber Tired Dozers	Diesel	Tier 4 Interim	1.00	8.00	367	0.40
Utility Installation	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	66.5	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	2.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	47.8	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	165	18.5	LDA,LDT1,LDT2

Building Construction	Vendor	42.6	10.2	HHDT,MHDT
Building Construction	Hauling	2.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	14.0	10.2	HHDT,MHDT
Paving	Hauling	7.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	33.1	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	2.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Utility Installation	—	—	—	—
Utility Installation	Worker	7.50	18.5	LDA,LDT1,LDT2
Utility Installation	Vendor	—	10.2	HHDT,MHDT
Utility Installation	Hauling	2.00	20.0	HHDT
Utility Installation	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	66.5	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2

Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	2.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	47.8	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	165	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	42.6	10.2	HHDT,MHDT
Building Construction	Hauling	2.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	14.0	10.2	HHDT,MHDT
Paving	Hauling	7.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	33.1	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	2.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Utility Installation	—	—	—	—
Utility Installation	Worker	7.50	18.5	LDA,LDT1,LDT2
Utility Installation	Vendor	—	10.2	HHDT,MHDT
Utility Installation	Hauling	2.00	20.0	HHDT
Utility Installation	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	450,810	150,270	900	300	13,192

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	10,629	—
Site Preparation	0.00	0.00	15.0	0.00	—
Grading	9,930	1,550	30.0	0.00	—
Paving	0.00	0.00	0.00	0.00	5.27

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Single Family Housing	0.22	0%
Apartments Mid Rise	—	0%
Parking Lot	1.23	100%
Recreational Swimming Pool	0.00	0%
Other Non-Asphalt Surfaces	3.82	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	349	0.03	< 0.005
2026	92.6	346	0.03	< 0.005
2027	92.6	346	0.03	< 0.005
2028	172	346	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	190	190	170	68,307	1,580	1,580	1,414	568,129
Apartments Mid Rise	810	608	510	269,470	6,395	4,796	4,026	2,127,364
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	190	190	170	68,307	1,580	1,580	1,414	568,129
Apartments Mid Rise	810	608	510	269,470	6,395	4,796	4,026	2,127,364
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	18
No Fireplaces	2
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Apartments Mid Rise	—

Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	113
No Fireplaces	13
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	18
No Fireplaces	2
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	113
No Fireplaces	13

Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
450809.55	150,270	900	300	13,192

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Single Family Housing	232,323	346	0.0330	0.0040	0.00
Apartments Mid Rise	717,828	346	0.0330	0.0040	0.00
Parking Lot	46,935	346	0.0330	0.0040	0.00

Recreational Swimming Pool	0.00	346	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Single Family Housing	232,323	346	0.0330	0.0040	0.00
Apartments Mid Rise	717,828	346	0.0330	0.0040	0.00
Parking Lot	46,935	346	0.0330	0.0040	0.00
Recreational Swimming Pool	0.00	346	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	346	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	750,513	120,055
Apartments Mid Rise	4,578,129	896,459
Parking Lot	0.00	113,196
Recreational Swimming Pool	70,972	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	750,513	120,055
Apartments Mid Rise	4,578,129	896,459
Parking Lot	0.00	113,196
Recreational Swimming Pool	70,972	0.00

Other Non-Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	15.9	—
Apartments Mid Rise	90.3	—
Parking Lot	0.00	—
Recreational Swimming Pool	6.84	—
Other Non-Asphalt Surfaces	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	15.9	—
Apartments Mid Rise	90.3	—
Parking Lot	0.00	—
Recreational Swimming Pool	6.84	—
Other Non-Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0

Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Construction: Off-Road Equipment	Hours adjusted to reflect construction activity for project, as per project applicant. Note that construction lengths are extended beyond CalEEMod default lengths. Adjusted equipment to match project-specific estimates, including electric air compressors, welders, and generators.

Construction: Trips and VMT	Additional haul trips added to the paving phase for asphalt delivery (see Asphalt Paving Construction Trips Calculation in the supporting documentation). Demo haul trips calculated by CalEEMod, based on 10,629 tons to account for demolition of buildings totaling 66,652 square feet and removal of pavement totaling 201,155 square feet.
Operations: Vehicle Data	Trip rates to match traffic study trip rates for each land use Consistent with Focused Traffic Assessment prepared by Urban Crossroads (dated February 18, 2025) Units: 20 Single family detached and 122 Multifamily (115 Multifamily Apartments, 7 Affordable)
Construction: Construction Phases	Applicant Provided Construction Schedule
Land Use	Applicant Provided Information
Operations: Hearths	No woodburning fireplaces or woodstoves
Operations: Energy Use	Natural gas was zeroed out to reflect all-electric development (i.e. no natural gas). Electricity usage increased to account for additional usage (see supporting information for calculation).

Costa Mesa Bear Street Residential - Construction (Level 3 Filters Scenario) Custom Report

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8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Costa Mesa Bear Street Residential - Construction (Level 3 Filters Scenario)
Construction Start Date	12/8/2025
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	19.6
Location	3150 Bear St, Costa Mesa, CA 92626, USA
County	Orange
City	Costa Mesa
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5947
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Single Family Housing	20.0	Dwelling Unit	1.16	32,859	7,579	—	60.0	—

Apartments Mid Rise	122	Dwelling Unit	3.69	189,763	56,593	—	364	3.6 acre includes the 8 building pads and open space of common area
Parking Lot	1.23	Acre	1.23	0.00	8,734	—	—	Balance of site
Recreational Swimming Pool	1.20	1000sqft	0.03	1,200	0.00	—	—	ENTITLEMENT Page 5 says "potential programming such as pool with a restroom", measure approx. 30 by 40 feet and assumes 600 sf of restroom
Other Non-Asphalt Surfaces	166	1000sqft	3.82	166,290	0.00	—	—	166,291 sf of frontage construction (offsite improvement)

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers
Construction	C-6	Use Diesel Particulate Filters

2. Emissions Summary

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.46	1.22	10.8	14.9	0.02	0.45	2.56	2.73	0.42	0.62	0.77	—	4,671	4,671	0.14	0.30	11.2	4,774

2027	1.13	0.89	5.63	14.3	0.02	0.15	2.56	2.71	0.14	0.62	0.76	—	4,607	4,607	0.14	0.29	10.1	4,706
2028	24.5	24.4	5.29	13.8	0.02	0.13	2.56	2.70	0.12	0.62	0.74	—	4,536	4,536	0.14	0.22	9.06	4,614
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	2.29	1.65	19.8	15.7	0.05	0.63	5.07	5.70	0.59	0.94	1.53	—	6,966	6,966	0.46	0.77	0.27	7,209
2026	3.81	3.20	29.4	29.7	0.05	1.24	7.93	9.18	1.14	4.00	5.15	—	6,883	6,883	0.43	0.75	0.29	7,116
2027	1.13	0.88	5.70	13.2	0.02	0.15	2.56	2.71	0.14	0.62	0.76	—	4,506	4,506	0.14	0.29	0.26	4,595
2028	1.08	0.85	5.42	12.7	0.02	0.13	2.56	2.70	0.12	0.62	0.74	—	4,437	4,437	0.14	0.29	0.23	4,526
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.11	0.08	0.93	0.74	< 0.005	0.03	0.24	0.27	0.03	0.04	0.07	—	327	327	0.02	0.04	0.21	339
2026	1.14	0.92	8.20	9.89	0.02	0.30	1.42	1.73	0.28	0.44	0.72	—	2,785	2,785	0.12	0.17	1.69	2,842
2027	0.80	0.63	4.13	9.61	0.01	0.11	1.81	1.91	0.10	0.44	0.53	—	3,238	3,238	0.10	0.21	3.12	3,305
2028	4.40	4.31	1.92	4.75	0.01	0.05	0.95	1.00	0.04	0.23	0.27	—	1,634	1,634	0.05	0.11	1.46	1,668
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.02	0.01	0.17	0.13	< 0.005	0.01	0.04	0.05	0.01	0.01	0.01	—	54.2	54.2	< 0.005	0.01	0.04	56.1
2026	0.21	0.17	1.50	1.80	< 0.005	0.06	0.26	0.32	0.05	0.08	0.13	—	461	461	0.02	0.03	0.28	470
2027	0.15	0.12	0.75	1.75	< 0.005	0.02	0.33	0.35	0.02	0.08	0.10	—	536	536	0.02	0.03	0.52	547
2028	0.80	0.79	0.35	0.87	< 0.005	0.01	0.17	0.18	0.01	0.04	0.05	—	270	270	0.01	0.02	0.24	276

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.87	0.77	9.19	15.9	0.02	0.12	2.56	2.60	0.11	0.62	0.66	—	4,671	4,671	0.14	0.30	11.2	4,774
2027	0.84	0.68	7.03	15.3	0.02	0.04	2.56	2.60	0.04	0.62	0.66	—	4,607	4,607	0.14	0.29	10.1	4,706
2028	24.5	24.4	6.90	14.8	0.02	0.04	2.56	2.60	0.04	0.62	0.66	—	4,536	4,536	0.14	0.22	9.06	4,614

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.15	0.74	15.9	14.7	0.05	0.18	5.07	5.25	0.17	0.94	1.11	—	6,966	6,966	0.46	0.77	0.27	7,209
2026	1.13	0.96	24.3	29.2	0.05	0.17	7.93	8.07	0.16	4.00	4.13	—	6,883	6,883	0.43	0.75	0.29	7,116
2027	0.84	0.67	7.10	14.2	0.02	0.04	2.56	2.60	0.04	0.62	0.66	—	4,506	4,506	0.14	0.29	0.26	4,595
2028	0.81	0.66	7.03	13.7	0.02	0.04	2.56	2.60	0.04	0.62	0.66	—	4,437	4,437	0.14	0.29	0.23	4,526
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.05	0.03	0.75	0.69	< 0.005	0.01	0.24	0.25	0.01	0.04	0.05	—	327	327	0.02	0.04	0.21	339
2026	0.55	0.46	7.58	10.1	0.02	0.07	1.42	1.49	0.06	0.44	0.50	—	2,785	2,785	0.12	0.17	1.69	2,842
2027	0.60	0.48	5.12	10.3	0.01	0.03	1.81	1.84	0.03	0.44	0.46	—	3,238	3,238	0.10	0.21	3.12	3,305
2028	4.30	4.25	2.48	5.10	0.01	NaN	0.95	NaN	NaN	0.23	NaN	—	1,634	1,634	0.05	0.11	1.46	1,668
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.01	0.01	0.14	0.13	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	54.2	54.2	< 0.005	0.01	0.04	56.1
2026	0.10	0.08	1.38	1.84	< 0.005	0.01	0.26	0.27	0.01	0.08	0.09	—	461	461	0.02	0.03	0.28	470
2027	0.11	0.09	0.94	1.89	< 0.005	0.01	0.33	0.34	0.01	0.08	0.08	—	536	536	0.02	0.03	0.52	547
2028	0.79	0.77	0.45	0.93	< 0.005	NaN	0.17	NaN	NaN	0.04	NaN	—	270	270	0.01	0.02	0.24	276

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	1.79	1.50	13.9	12.5	0.02	0.57	—	0.57	0.53	—	0.53	—	2,141	2,141	0.09	0.02	—	2,148
Demoliti on	—	—	—	—	—	—	3.67	3.67	—	0.56	0.56	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.08	0.07	0.65	0.58	< 0.005	0.03	—	0.03	0.02	—	0.02	—	101	101	< 0.005	< 0.005	—	101
Demoliti on	—	—	—	—	—	—	0.17	0.17	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.02	0.01	0.12	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.6	16.6	< 0.005	< 0.005	—	16.7
Demoliti on	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.73	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	0.01	0.02	192
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.44	0.09	5.84	2.51	0.03	0.06	1.20	1.26	0.06	0.34	0.40	—	4,636	4,636	0.38	0.75	0.25	4,869

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.02	9.02	< 0.005	< 0.005	0.02	9.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.28	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	218	218	0.02	0.04	0.20	229
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.49	1.49	< 0.005	< 0.005	< 0.005	1.51
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	36.0	36.0	< 0.005	0.01	0.03	37.9

3.2. Demolition (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.65	0.59	10.0	11.5	0.02	0.12	—	0.12	0.11	—	0.11	—	2,141	2,141	0.09	0.02	—	2,148
Demolition	—	—	—	—	—	—	3.67	3.67	—	0.56	0.56	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.03	0.03	0.47	0.54	< 0.005	0.01	—	0.01	0.01	—	0.01	—	101	101	< 0.005	< 0.005	—	101
Demolition	—	—	—	—	—	—	0.17	0.17	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.09	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.6	16.6	< 0.005	< 0.005	—	16.7
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.05	0.06	0.73	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	189	189	< 0.005	0.01	0.02	192
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.44	0.09	5.84	2.51	0.03	0.06	1.20	1.26	0.06	0.34	0.40	—	4,636	4,636	0.38	0.75	0.25	4,869
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.02	9.02	< 0.005	< 0.005	0.02	9.14
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.02	< 0.005	0.28	0.12	< 0.005	< 0.005	0.06	0.06	< 0.005	0.02	0.02	—	218	218	0.02	0.04	0.20	229
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.49	1.49	< 0.005	< 0.005	< 0.005	1.51

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	36.0	36.0	< 0.005	0.01	0.03	37.9

3.3. Demolition (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.70	1.43	12.9	11.9	0.02	0.53	—	0.53	0.48	—	0.48	—	2,142	2,142	0.09	0.02	—	2,149
Demolition	—	—	—	—	—	—	3.67	3.67	—	0.56	0.56	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.76	0.70	< 0.005	0.03	—	0.03	0.03	—	0.03	—	126	126	0.01	< 0.005	—	126
Demolition	—	—	—	—	—	—	0.22	0.22	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.02	0.02	0.14	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	20.8	20.8	< 0.005	< 0.005	—	20.9
Demolition	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.68	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	0.02	188
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.44	0.06	5.63	2.43	0.03	0.06	1.20	1.26	0.06	0.34	0.40	—	4,555	4,555	0.34	0.72	0.24	4,779
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.1	11.1	< 0.005	< 0.005	0.02	11.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	< 0.005	0.33	0.14	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	267	267	0.02	0.04	0.23	281
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.83	1.83	< 0.005	< 0.005	< 0.005	1.86
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	44.3	44.3	< 0.005	0.01	0.04	46.5

3.4. Demolition (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.64	0.58	9.99	11.5	0.02	0.11	—	0.11	0.10	—	0.10	—	2,142	2,142	0.09	0.02	—	2,149
Demolition	—	—	—	—	—	—	3.67	3.67	—	0.56	0.56	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.03	0.59	0.67	< 0.005	0.01	—	0.01	0.01	—	0.01	—	126	126	0.01	< 0.005	—	126
Demolition	—	—	—	—	—	—	0.22	0.22	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.11	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.8	20.8	< 0.005	< 0.005	—	20.9
Demolition	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.68	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	0.02	188
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.44	0.06	5.63	2.43	0.03	0.06	1.20	1.26	0.06	0.34	0.40	—	4,555	4,555	0.34	0.72	0.24	4,779
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	11.1	11.1	< 0.005	< 0.005	0.02	11.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	< 0.005	0.33	0.14	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	267	267	0.02	0.04	0.23	281
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.83	1.83	< 0.005	< 0.005	< 0.005	1.86
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	44.3	44.3	< 0.005	0.01	0.04	46.5

3.5. Site Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.74	3.14	29.2	28.8	0.05	1.24	—	1.24	1.14	—	1.14	—	5,298	5,298	0.21	0.04	—	5,316

Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.80	0.79	< 0.005	0.03	—	0.03	0.03	—	0.03	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.80	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	217	217	< 0.005	0.01	0.02	219

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.17	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.01	144
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.02	6.02	< 0.005	< 0.005	0.01	6.10
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.76	3.76	< 0.005	< 0.005	< 0.005	3.94
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.00	1.00	< 0.005	< 0.005	< 0.005	1.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.62	0.62	< 0.005	< 0.005	< 0.005	0.65

3.6. Site Preparation (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.90	0.90	24.0	28.3	0.05	0.14	—	0.14	0.13	—	0.13	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.66	0.78	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.12	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.06	0.06	0.06	0.80	0.00	0.00	0.23	0.23	0.00	0.05	0.05	—	217	217	< 0.005	0.01	0.02	219
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.17	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.01	144
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	6.02	6.02	< 0.005	< 0.005	0.01	6.10

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.76	3.76	< 0.005	< 0.005	< 0.005	3.94
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.00	1.00	< 0.005	< 0.005	< 0.005	1.01
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.62	0.62	< 0.005	< 0.005	< 0.005	0.65

3.7. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	1.65	15.0	17.4	0.03	0.65	—	0.65	0.59	—	0.59	—	2,960	2,960	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.14	1.23	1.43	< 0.005	0.05	—	0.05	0.05	—	0.05	—	243	243	0.01	< 0.005	—	244

Dust From Material Movement	—	—	—	—	—	—	0.23	0.23	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	40.3	40.3	< 0.005	< 0.005	—	40.4
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.68	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	0.02	188
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.32	0.05	4.05	1.75	0.02	0.04	0.87	0.91	0.04	0.24	0.28	—	3,279	3,279	0.25	0.52	0.17	3,440
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.5	15.5	< 0.005	< 0.005	0.02	15.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	< 0.005	0.34	0.14	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	269	269	0.02	0.04	0.24	283
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.56	2.56	< 0.005	< 0.005	< 0.005	2.60

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	44.6	44.6	< 0.005	0.01	0.04	46.8

3.8. Grading (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.59	0.57	13.8	17.8	0.03	0.10	—	0.10	0.09	—	0.09	—	2,960	2,960	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.05	1.14	1.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	243	243	0.01	< 0.005	—	244
Dust From Material Movement	—	—	—	—	—	—	0.23	0.23	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.21	0.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	40.3	40.3	< 0.005	< 0.005	—	40.4
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.68	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	0.02	188
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.32	0.05	4.05	1.75	0.02	0.04	0.87	0.91	0.04	0.24	0.28	—	3,279	3,279	0.25	0.52	0.17	3,440
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.06	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	15.5	15.5	< 0.005	< 0.005	0.02	15.7
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.03	< 0.005	0.34	0.14	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	269	269	0.02	0.04	0.24	283
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.56	2.56	< 0.005	< 0.005	< 0.005	2.60
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	44.6	44.6	< 0.005	0.01	0.04	46.8

3.9. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	0.40	3.88	5.40	0.01	0.16	—	0.16	0.14	—	0.14	—	1,043	1,043	0.04	0.01	—	1,047
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	0.40	3.88	5.40	0.01	0.16	—	0.16	0.14	—	0.14	—	1,043	1,043	0.04	0.01	—	1,047
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.82	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	220	220	0.01	< 0.005	—	221
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	36.5	36.5	< 0.005	< 0.005	—	36.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.56	0.50	8.72	0.00	0.00	2.16	2.16	0.00	0.51	0.51	—	2,154	2,154	0.03	0.08	7.49	2,185
Vendor	0.10	0.03	1.36	0.68	0.01	0.01	0.36	0.37	0.01	0.10	0.11	—	1,337	1,337	0.07	0.19	3.45	1,398
Hauling	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.28	144
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.56	0.58	7.52	0.00	0.00	2.16	2.16	0.00	0.51	0.51	—	2,050	2,050	0.03	0.08	0.19	2,074
Vendor	0.10	0.03	1.42	0.70	0.01	0.01	0.36	0.37	0.01	0.10	0.11	—	1,338	1,338	0.07	0.19	0.09	1,396
Hauling	0.01	< 0.005	0.17	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.01	144
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.12	1.65	0.00	0.00	0.45	0.45	0.00	0.11	0.11	—	439	439	0.01	0.02	0.68	445
Vendor	0.02	0.01	0.30	0.15	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	283	283	0.01	0.04	0.32	295
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	29.0	29.0	< 0.005	< 0.005	0.03	30.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.30	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	72.7	72.7	< 0.005	< 0.005	0.11	73.7
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	46.8	46.8	< 0.005	0.01	0.05	48.9
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.80	4.80	< 0.005	< 0.005	< 0.005	5.04

3.10. Building Construction (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.18	0.18	5.07	6.40	0.01	0.03	—	0.03	0.03	—	0.03	—	1,043	1,043	0.04	0.01	—	1,047
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.18	5.07	6.40	0.01	0.03	—	0.03	0.03	—	0.03	—	1,043	1,043	0.04	0.01	—	1,047
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.04	0.04	1.07	1.35	< 0.005	0.01	—	0.01	0.01	—	0.01	—	220	220	0.01	< 0.005	—	221
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.20	0.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	36.5	36.5	< 0.005	< 0.005	—	36.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.56	0.50	8.72	0.00	0.00	2.16	2.16	0.00	0.51	0.51	—	2,154	2,154	0.03	0.08	7.49	2,185
Vendor	0.10	0.03	1.36	0.68	0.01	0.01	0.36	0.37	0.01	0.10	0.11	—	1,337	1,337	0.07	0.19	3.45	1,398
Hauling	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.28	144

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.57	0.56	0.58	7.52	0.00	0.00	2.16	2.16	0.00	0.51	0.51	—	2,050	2,050	0.03	0.08	0.19	2,074
Vendor	0.10	0.03	1.42	0.70	0.01	0.01	0.36	0.37	0.01	0.10	0.11	—	1,338	1,338	0.07	0.19	0.09	1,396
Hauling	0.01	< 0.005	0.17	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.01	144
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.12	0.12	0.12	1.65	0.00	0.00	0.45	0.45	0.00	0.11	0.11	—	439	439	0.01	0.02	0.68	445
Vendor	0.02	0.01	0.30	0.15	< 0.005	< 0.005	0.08	0.08	< 0.005	0.02	0.02	—	283	283	0.01	0.04	0.32	295
Hauling	< 0.005	< 0.005	0.04	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	29.0	29.0	< 0.005	< 0.005	0.03	30.4
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.30	0.00	0.00	0.08	0.08	0.00	0.02	0.02	—	72.7	72.7	< 0.005	< 0.005	0.11	73.7
Vendor	< 0.005	< 0.005	0.06	0.03	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	46.8	46.8	< 0.005	0.01	0.05	48.9
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.80	4.80	< 0.005	< 0.005	< 0.005	5.04

3.11. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.39	3.67	5.39	0.01	0.14	—	0.14	0.13	—	0.13	—	1,043	1,043	0.04	0.01	—	1,046
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.46	0.39	3.67	5.39	0.01	0.14	—	0.14	0.13	—	0.13	—	1,043	1,043	0.04	0.01	—	1,046
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.33	0.28	2.62	3.85	0.01	0.10	—	0.10	0.09	—	0.09	—	745	745	0.03	0.01	—	747
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.06	0.05	0.48	0.70	< 0.005	0.02	—	0.02	0.02	—	0.02	—	123	123	0.01	< 0.005	—	124
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.55	0.47	0.50	8.18	0.00	0.00	2.16	2.16	0.00	0.51	0.51	—	2,117	2,117	0.02	0.08	6.71	2,148
Vendor	0.10	0.03	1.31	0.65	0.01	0.01	0.36	0.37	0.01	0.10	0.11	—	1,312	1,312	0.07	0.18	3.14	1,371
Hauling	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	134	134	0.01	0.02	0.26	141
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.55	0.47	0.51	7.03	0.00	0.00	2.16	2.16	0.00	0.51	0.51	—	2,015	2,015	0.03	0.08	0.17	2,039
Vendor	0.10	0.03	1.36	0.66	0.01	0.01	0.36	0.37	0.01	0.10	0.11	—	1,313	1,313	0.07	0.18	0.08	1,368
Hauling	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	134	134	0.01	0.02	0.01	141
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.39	0.33	0.41	5.24	0.00	0.00	1.52	1.52	0.00	0.36	0.36	—	1,459	1,459	0.02	0.06	2.07	1,478
Vendor	0.07	0.02	0.98	0.47	0.01	0.01	0.26	0.26	0.01	0.07	0.08	—	938	938	0.05	0.13	0.97	978
Hauling	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	96.0	96.0	0.01	0.02	0.08	101
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.96	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	242	242	< 0.005	0.01	0.34	245
Vendor	0.01	< 0.005	0.18	0.09	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	155	155	0.01	0.02	0.16	162
Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.9	15.9	< 0.005	< 0.005	0.01	16.7

3.12. Building Construction (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.18	5.07	6.40	0.01	0.03	—	0.03	0.03	—	0.03	—	1,043	1,043	0.04	0.01	—	1,046
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.18	5.07	6.40	0.01	0.03	—	0.03	0.03	—	0.03	—	1,043	1,043	0.04	0.01	—	1,046
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.13	0.13	3.62	4.57	0.01	0.02	—	0.02	0.02	—	0.02	—	745	745	0.03	0.01	—	747
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.66	0.83	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	123	123	0.01	< 0.005	—	124
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.55	0.47	0.50	8.18	0.00	0.00	2.16	2.16	0.00	0.51	0.51	—	2,117	2,117	0.02	0.08	6.71	2,148
Vendor	0.10	0.03	1.31	0.65	0.01	0.01	0.36	0.37	0.01	0.10	0.11	—	1,312	1,312	0.07	0.18	3.14	1,371
Hauling	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	134	134	0.01	0.02	0.26	141
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.55	0.47	0.51	7.03	0.00	0.00	2.16	2.16	0.00	0.51	0.51	—	2,015	2,015	0.03	0.08	0.17	2,039
Vendor	0.10	0.03	1.36	0.66	0.01	0.01	0.36	0.37	0.01	0.10	0.11	—	1,313	1,313	0.07	0.18	0.08	1,368
Hauling	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	134	134	0.01	0.02	0.01	141
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.39	0.33	0.41	5.24	0.00	0.00	1.52	1.52	0.00	0.36	0.36	—	1,459	1,459	0.02	0.06	2.07	1,478
Vendor	0.07	0.02	0.98	0.47	0.01	0.01	0.26	0.26	0.01	0.07	0.08	—	938	938	0.05	0.13	0.97	978
Hauling	0.01	< 0.005	0.12	0.05	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	96.0	96.0	0.01	0.02	0.08	101
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.07	0.06	0.07	0.96	0.00	0.00	0.28	0.28	0.00	0.07	0.07	—	242	242	< 0.005	0.01	0.34	245
Vendor	0.01	< 0.005	0.18	0.09	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	155	155	0.01	0.02	0.16	162

Hauling	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	15.9	15.9	< 0.005	< 0.005	0.01	16.7

3.13. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.37	3.46	5.40	0.01	0.12	—	0.12	0.11	—	0.11	—	1,043	1,043	0.04	0.01	—	1,047
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.37	3.46	5.40	0.01	0.12	—	0.12	0.11	—	0.11	—	1,043	1,043	0.04	0.01	—	1,047
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	1.20	1.87	< 0.005	0.04	—	0.04	0.04	—	0.04	—	361	361	0.01	< 0.005	—	363
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.03	0.02	0.22	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.8	59.8	< 0.005	< 0.005	—	60.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.54	0.46	0.42	7.72	0.00	0.00	2.16	2.16	0.00	0.51	0.51	—	2,080	2,080	0.02	0.01	6.00	2,089
Vendor	0.09	0.03	1.26	0.63	0.01	0.01	0.36	0.37	0.01	0.10	0.11	—	1,282	1,282	0.06	0.18	2.82	1,340
Hauling	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	131	131	0.01	0.02	0.24	138
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53	0.45	0.50	6.63	0.00	0.00	2.16	2.16	0.00	0.51	0.51	—	1,979	1,979	0.03	0.08	0.16	2,003
Vendor	0.09	0.03	1.31	0.64	0.01	0.01	0.36	0.37	0.01	0.10	0.11	—	1,283	1,283	0.07	0.18	0.07	1,338
Hauling	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	131	131	0.01	0.02	0.01	138
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.16	0.17	2.40	0.00	0.00	0.74	0.74	0.00	0.17	0.17	—	695	695	0.01	0.03	0.90	704
Vendor	0.03	0.01	0.45	0.22	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.04	—	444	444	0.02	0.06	0.42	464
Hauling	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	45.5	45.5	< 0.005	0.01	0.04	47.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.44	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	115	115	< 0.005	< 0.005	0.15	117
Vendor	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	73.5	73.5	< 0.005	0.01	0.07	76.8
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.53	7.53	< 0.005	< 0.005	0.01	7.91

3.14. Building Construction (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.18	5.07	6.40	0.01	0.03	—	0.03	0.03	—	0.03	—	1,043	1,043	0.04	0.01	—	1,047
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.18	0.18	5.07	6.40	0.01	0.03	—	0.03	0.03	—	0.03	—	1,043	1,043	0.04	0.01	—	1,047
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.06	1.75	2.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	361	361	0.01	< 0.005	—	363
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.32	0.40	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	59.8	59.8	< 0.005	< 0.005	—	60.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.54	0.46	0.42	7.72	0.00	0.00	2.16	2.16	0.00	0.51	0.51	—	2,080	2,080	0.02	0.01	6.00	2,089
Vendor	0.09	0.03	1.26	0.63	0.01	0.01	0.36	0.37	0.01	0.10	0.11	—	1,282	1,282	0.06	0.18	2.82	1,340
Hauling	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	131	131	0.01	0.02	0.24	138
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.53	0.45	0.50	6.63	0.00	0.00	2.16	2.16	0.00	0.51	0.51	—	1,979	1,979	0.03	0.08	0.16	2,003
Vendor	0.09	0.03	1.31	0.64	0.01	0.01	0.36	0.37	0.01	0.10	0.11	—	1,283	1,283	0.07	0.18	0.07	1,338
Hauling	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	131	131	0.01	0.02	0.01	138
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.19	0.16	0.17	2.40	0.00	0.00	0.74	0.74	0.00	0.17	0.17	—	695	695	0.01	0.03	0.90	704
Vendor	0.03	0.01	0.45	0.22	< 0.005	< 0.005	0.13	0.13	< 0.005	0.03	0.04	—	444	444	0.02	0.06	0.42	464
Hauling	< 0.005	< 0.005	0.06	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	45.5	45.5	< 0.005	0.01	0.04	47.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.03	0.44	0.00	0.00	0.13	0.13	0.00	0.03	0.03	—	115	115	< 0.005	< 0.005	0.15	117
Vendor	0.01	< 0.005	0.08	0.04	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	73.5	73.5	< 0.005	0.01	0.07	76.8
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	7.53	7.53	< 0.005	< 0.005	0.01	7.91

3.15. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.16	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.16	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.39	0.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.79	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	195	195	< 0.005	0.01	0.68	198
Vendor	0.03	0.01	0.45	0.22	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	439	439	0.02	0.06	1.13	459
Hauling	0.05	0.01	0.57	0.25	< 0.005	0.01	0.13	0.13	0.01	0.04	0.04	—	480	480	0.04	0.08	0.97	504
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.68	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	0.02	188
Vendor	0.03	0.01	0.47	0.23	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	439	439	0.02	0.06	0.03	458
Hauling	0.05	0.01	0.59	0.26	< 0.005	0.01	0.13	0.13	0.01	0.04	0.04	—	480	480	0.04	0.08	0.03	503
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.3	10.3	< 0.005	< 0.005	0.02	10.5
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.1	24.1	< 0.005	< 0.005	0.03	25.1
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.3	26.3	< 0.005	< 0.005	0.02	27.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.71	1.71	< 0.005	< 0.005	< 0.005	1.73
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.98	3.98	< 0.005	< 0.005	< 0.005	4.16
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.35	4.35	< 0.005	< 0.005	< 0.005	4.57

3.16. Paving (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.52	0.47	8.13	10.6	0.01	0.11	—	0.11	0.10	—	0.10	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.16	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.47	8.13	10.6	0.01	0.11	—	0.11	0.10	—	0.10	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.16	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.45	0.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.08	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.79	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	195	195	< 0.005	0.01	0.68	198
Vendor	0.03	0.01	0.45	0.22	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	439	439	0.02	0.06	1.13	459
Hauling	0.05	0.01	0.57	0.25	< 0.005	0.01	0.13	0.13	0.01	0.04	0.04	—	480	480	0.04	0.08	0.97	504
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.05	0.68	0.00	0.00	0.20	0.20	0.00	0.05	0.05	—	186	186	< 0.005	0.01	0.02	188
Vendor	0.03	0.01	0.47	0.23	< 0.005	< 0.005	0.12	0.12	< 0.005	0.03	0.04	—	439	439	0.02	0.06	0.03	458
Hauling	0.05	0.01	0.59	0.26	< 0.005	0.01	0.13	0.13	0.01	0.04	0.04	—	480	480	0.04	0.08	0.03	503
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.3	10.3	< 0.005	< 0.005	0.02	10.5
Vendor	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	24.1	24.1	< 0.005	< 0.005	0.03	25.1
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	26.3	26.3	< 0.005	< 0.005	0.02	27.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.71	1.71	< 0.005	< 0.005	< 0.005	1.73
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.98	3.98	< 0.005	< 0.005	< 0.005	4.16
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.35	4.35	< 0.005	< 0.005	< 0.005	4.57

3.17. Architectural Coating (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipm	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	24.3	24.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	4.00	4.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.73	0.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.08	1.54	0.00	0.00	0.43	0.43	0.00	0.10	0.10	—	416	416	< 0.005	< 0.005	1.20	418
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	131	131	0.01	0.02	0.24	138
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	66.0	66.0	< 0.005	< 0.005	0.09	66.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.6	21.6	< 0.005	< 0.005	0.02	22.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	0.01	11.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.57	3.57	< 0.005	< 0.005	< 0.005	3.75

3.18. Architectural Coating (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	NaN	—	NaN	NaN	—	NaN	—	0.00	0.00	0.00	0.00	—	0.00

Architectural Coating	24.3	24.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	NaN	—	NaN	NaN	—	NaN	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	4.00	4.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	NaN	—	NaN	NaN	—	NaN	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.73	0.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.11	0.09	0.08	1.54	0.00	0.00	0.43	0.43	0.00	0.10	0.10	—	416	416	< 0.005	< 0.005	1.20	418
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.01	< 0.005	0.15	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	131	131	0.01	0.02	0.24	138
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	0.02	0.23	0.00	0.00	0.07	0.07	0.00	0.02	0.02	—	66.0	66.0	< 0.005	< 0.005	0.09	66.8
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.01	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	21.6	21.6	< 0.005	< 0.005	0.02	22.7
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.04	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	10.9	10.9	< 0.005	< 0.005	0.01	11.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.57	3.57	< 0.005	< 0.005	< 0.005	3.75

3.19. Utility Installation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.42	1.19	10.6	10.4	0.02	0.45	—	0.45	0.42	—	0.42	—	1,877	1,877	0.08	0.02	—	1,883
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.39	0.33	2.94	2.88	< 0.005	0.13	—	0.13	0.12	—	0.12	—	519	519	0.02	< 0.005	—	521
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.07	0.06	0.54	0.52	< 0.005	0.02	—	0.02	0.02	—	0.02	—	86.0	86.0	< 0.005	< 0.005	—	86.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.40	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	97.7	97.7	< 0.005	< 0.005	0.34	99.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.28	144
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	26.1	26.1	< 0.005	< 0.005	0.04	26.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	37.9	37.9	< 0.005	0.01	0.03	39.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.32	4.32	< 0.005	< 0.005	0.01	4.37
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.28	6.28	< 0.005	< 0.005	0.01	6.59

3.20. Utility Installation (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.49	0.46	8.76	10.2	0.02	0.09	—	0.09	0.09	—	0.09	—	1,877	1,877	0.08	0.02	—	1,883
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.14	0.13	2.42	2.82	< 0.005	0.03	—	0.03	0.02	—	0.02	—	519	519	0.02	< 0.005	—	521
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.44	0.51	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	86.0	86.0	< 0.005	< 0.005	—	86.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.03	0.02	0.40	0.00	0.00	0.10	0.10	0.00	0.02	0.02	—	97.7	97.7	< 0.005	< 0.005	0.34	99.1
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.01	< 0.005	0.16	0.07	< 0.005	< 0.005	0.04	0.04	< 0.005	0.01	0.01	—	137	137	0.01	0.02	0.28	144
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	0.01	0.10	0.00	0.00	0.03	0.03	0.00	0.01	0.01	—	26.1	26.1	< 0.005	< 0.005	0.04	26.4
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.02	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	37.9	37.9	< 0.005	0.01	0.03	39.8
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.32	4.32	< 0.005	< 0.005	0.01	4.37
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.28	6.28	< 0.005	< 0.005	0.01	6.59

4. Operations Emissions Details

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Sequest	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	12/8/2025	1/30/2026	5.00	40.0	Increase from 20 to 40 days due to large amount of debris to be transported
Site Preparation	Site Preparation	1/31/2026	2/13/2026	5.00	10.0	Default number of days
Grading	Grading	2/14/2026	3/27/2026	5.00	30.0	Increased from 20 to 30 days to better match applicant-provided schedule
Building Construction	Building Construction	9/15/2026	6/25/2028	5.00	464	Increased from 230 days to 464 to match applicant-provided schedule
Paving	Paving	3/28/2026	4/24/2026	5.00	20.0	Default number of days
Architectural Coating	Architectural Coating	6/26/2028	9/15/2028	5.00	60.0	Increased from 20 to 60 days to match applicant-provided schedule
Utility Installation	Trenching	4/25/2026	9/14/2026	5.00	101	Remaining days to match 7-month schedule for site development, grading, utility installation, and roadway construction

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	5.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	5.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	5.00	33.0	0.73

Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	4.00	82.0	0.20
Building Construction	Generator Sets	Electric	Average	1.00	4.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	3.50	367	0.29
Building Construction	Welders	Electric	Average	1.00	4.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	3.50	84.0	0.37
Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48
Utility Installation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Utility Installation	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Utility Installation	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Tier 3	2.00	5.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	5.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	5.00	33.0	0.73
Site Preparation	Rubber Tired Dozers	Diesel	Tier 3	3.00	8.00	367	0.40

Site Preparation	Tractors/Loaders/Back	Diesel	Tier 3	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 3	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Back hoes	Diesel	Tier 3	3.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Tier 3	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Tier 3	3.00	4.00	82.0	0.20
Building Construction	Generator Sets	Electric	Average	1.00	4.00	14.0	0.74
Building Construction	Cranes	Diesel	Tier 3	1.00	3.50	367	0.29
Building Construction	Welders	Electric	Average	1.00	4.00	46.0	0.45
Building Construction	Tractors/Loaders/Back hoes	Diesel	Tier 3	3.00	3.50	84.0	0.37
Paving	Pavers	Diesel	Tier 3	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Tier 3	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48
Utility Installation	Tractors/Loaders/Back hoes	Diesel	Tier 3	1.00	8.00	84.0	0.37
Utility Installation	Rubber Tired Dozers	Diesel	Tier 3	1.00	8.00	367	0.40
Utility Installation	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	66.5	20.0	HHDT

Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	2.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	47.8	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	165	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	42.6	10.2	HHDT,MHDT
Building Construction	Hauling	2.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2
Paving	Vendor	14.0	10.2	HHDT,MHDT
Paving	Hauling	7.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	33.1	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	2.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Utility Installation	—	—	—	—
Utility Installation	Worker	7.50	18.5	LDA,LDT1,LDT2

Utility Installation	Vendor	—	10.2	HHDT,MHDT
Utility Installation	Hauling	2.00	20.0	HHDT
Utility Installation	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	18.5	LDA,LDT1,LDT2
Demolition	Vendor	—	10.2	HHDT,MHDT
Demolition	Hauling	66.5	20.0	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	18.5	LDA,LDT1,LDT2
Site Preparation	Vendor	—	10.2	HHDT,MHDT
Site Preparation	Hauling	2.00	20.0	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	18.5	LDA,LDT1,LDT2
Grading	Vendor	—	10.2	HHDT,MHDT
Grading	Hauling	47.8	20.0	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	165	18.5	LDA,LDT1,LDT2
Building Construction	Vendor	42.6	10.2	HHDT,MHDT
Building Construction	Hauling	2.00	20.0	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	18.5	LDA,LDT1,LDT2

Paving	Vendor	14.0	10.2	HHDT,MHDT
Paving	Hauling	7.00	20.0	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	33.1	18.5	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	10.2	HHDT,MHDT
Architectural Coating	Hauling	2.00	20.0	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Utility Installation	—	—	—	—
Utility Installation	Worker	7.50	18.5	LDA,LDT1,LDT2
Utility Installation	Vendor	—	10.2	HHDT,MHDT
Utility Installation	Hauling	2.00	20.0	HHDT
Utility Installation	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	450,810	150,270	900	300	13,192

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	10,629	—
Site Preparation	0.00	0.00	15.0	0.00	—
Grading	9,930	1,550	30.0	0.00	—
Paving	0.00	0.00	0.00	0.00	5.27

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Single Family Housing	0.22	0%
Apartments Mid Rise	—	0%
Parking Lot	1.23	100%
Recreational Swimming Pool	0.00	0%
Other Non-Asphalt Surfaces	3.82	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	349	0.03	< 0.005
2026	92.6	346	0.03	< 0.005
2027	92.6	346	0.03	< 0.005

2028	172	346	0.03	< 0.005

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Construction: Off-Road Equipment	Hours adjusted to reflect construction activity for project, as per project applicant. Note that construction lengths are extended beyond CalEEMod default lengths.
Construction: Trips and VMT	Paving Vendor Haul trips added for asphalt delivery. Demo haul trips calculated by CalEEMod, based on 10,629 tons to account for demolition of buildings totaling 66,652 square feet and removal of pavement totaling 201,155 square feet.
Operations: Vehicle Data	Construction only run
Construction: Construction Phases	Applicant Provided Construction Schedule
Land Use	Applicant Provided Information
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4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

5. Activity Data

5.1. Construction Schedule

5.2. Off-Road Equipment

5.2.1. Unmitigated

5.2.2. Mitigated

5.3. Construction Vehicles

5.3.1. Unmitigated

5.3.2. Mitigated

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

5.5. Architectural Coatings

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

5.6.2. Construction Earthmoving Control Strategies

5.7. Construction Paving

5.8. Construction Electricity Consumption and Emissions Factors

5.9. Operational Mobile Sources

5.9.1. Unmitigated

5.9.2. Mitigated

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

5.10.1.2. Mitigated

5.10.2. Architectural Coatings

5.10.3. Landscape Equipment

5.10.4. Landscape Equipment - Mitigated

5.11. Operational Energy Consumption

5.11.1. Unmitigated

5.11.2. Mitigated

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

5.12.2. Mitigated

5.13. Operational Waste Generation

5.13.1. Unmitigated

5.13.2. Mitigated

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

5.14.2. Mitigated

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

5.15.2. Mitigated

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

5.16.2. Process Boilers

5.17. User Defined

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

5.18.1.2. Mitigated

5.18.2. Sequestration

5.18.2.1. Unmitigated

5.18.2.2. Mitigated

8. User Changes to Default Data

1. Basic Project Information

1.1. Basic Project Information

Data Field	Value
Project Name	Costa Mesa Bear Street Residential - Localized Analysis
Construction Start Date	12/8/2025
Operational Year	2028
Lead Agency	—
Land Use Scale	Project/site
Analysis Level for Defaults	County
Windspeed (m/s)	2.50
Precipitation (days)	19.6
Location	3150 Bear St, Costa Mesa, CA 92626, USA
County	Orange
City	Costa Mesa
Air District	South Coast AQMD
Air Basin	South Coast
TAZ	5947
EDFZ	7
Electric Utility	Southern California Edison
Gas Utility	Southern California Gas
App Version	2022.1.1.29

1.2. Land Use Types

Land Use Subtype	Size	Unit	Lot Acreage	Building Area (sq ft)	Landscape Area (sq ft)	Special Landscape Area (sq ft)	Population	Description
Single Family Housing	20.0	Dwelling Unit	1.16	32,859	7,579	—	60.0	—

Apartments Mid Rise	122	Dwelling Unit	3.69	189,763	56,593	—	364	3.6 acre includes the 8 building pads and open space of common area
Parking Lot	1.23	Acre	1.23	0.00	8,734	—	—	Balance of site
Recreational Swimming Pool	1.20	1000sqft	0.03	1,200	0.00	—	—	ENTITLEMENT Page 5 says "potential programming such as pool with a restroom", measure approx. 30 by 40 feet and assumes 600 sf of restroom
Other Non-Asphalt Surfaces	166	1000sqft	3.82	166,290	0.00	—	—	166,291 sf of frontage construction (offsite improvement)

1.3. User-Selected Emission Reduction Measures by Emissions Sector

Sector	#	Measure Title
Construction	C-5	Use Advanced Engine Tiers

2. Emissions Summary

2.2. Construction Emissions by Year, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	1.44	1.21	10.7	10.5	0.02	0.45	0.08	0.46	0.42	0.02	0.42	—	1,887	1,887	0.09	0.04	0.38	1,894
2027	0.92	0.81	4.23	6.95	0.01	0.14	0.08	0.22	0.13	0.02	0.15	—	1,237	1,237	0.09	0.04	0.34	1,250

2028	24.4	24.4	4.00	6.88	0.01	0.12	0.08	0.20	0.11	0.02	0.13	—	1,234	1,234	0.09	0.04	0.31	1,247
Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	1.93	1.58	15.0	13.3	0.02	0.57	3.71	4.28	0.53	0.57	1.09	—	2,370	2,370	0.15	0.05	0.01	2,390
2026	3.79	3.19	29.2	29.0	0.05	1.24	7.67	8.92	1.14	3.94	5.08	—	5,313	5,313	0.22	0.05	0.01	5,332
2027	0.92	0.81	4.26	7.13	0.01	0.14	0.08	0.22	0.13	0.02	0.15	—	1,235	1,235	0.09	0.04	0.01	1,248
2028	0.88	0.78	4.03	7.06	0.01	0.12	0.08	0.20	0.11	0.02	0.13	—	1,232	1,232	0.09	0.04	0.01	1,245
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.09	0.07	0.70	0.63	< 0.005	0.03	0.17	0.20	0.02	0.03	0.05	—	111	111	0.01	< 0.005	0.01	112
2026	1.05	0.88	7.21	8.01	0.01	0.29	0.68	0.97	0.27	0.26	0.53	—	1,412	1,412	0.07	0.02	0.05	1,420
2027	0.66	0.58	3.03	5.07	0.01	0.10	0.05	0.15	0.09	0.01	0.10	—	882	882	0.06	0.03	0.11	892
2028	4.32	4.28	1.40	2.48	< 0.005	0.04	0.03	0.07	0.04	0.01	0.05	—	431	431	0.03	0.01	0.05	435
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.02	0.01	0.13	0.11	< 0.005	< 0.005	0.03	0.04	< 0.005	< 0.005	0.01	—	18.4	18.4	< 0.005	< 0.005	< 0.005	18.6
2026	0.19	0.16	1.32	1.46	< 0.005	0.05	0.12	0.18	0.05	0.05	0.10	—	234	234	0.01	< 0.005	0.01	235
2027	0.12	0.11	0.55	0.93	< 0.005	0.02	0.01	0.03	0.02	< 0.005	0.02	—	146	146	0.01	< 0.005	0.02	148
2028	0.79	0.78	0.26	0.45	< 0.005	0.01	0.01	0.01	0.01	< 0.005	0.01	—	71.3	71.3	0.01	< 0.005	0.01	72.1

2.3. Construction Emissions by Year, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Year	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily - Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2026	0.65	0.59	2.61	10.9	0.02	0.10	0.08	0.11	0.09	0.02	0.10	—	1,887	1,887	0.09	0.04	0.38	1,894
2027	0.56	0.52	1.07	7.96	0.01	0.02	0.08	0.10	0.02	0.02	0.04	—	1,237	1,237	0.09	0.04	0.34	1,250
2028	24.4	24.4	1.06	7.89	0.01	0.02	0.08	0.10	0.02	0.02	0.04	—	1,234	1,234	0.09	0.04	0.31	1,247

Daily - Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.66	0.54	4.45	12.4	0.02	0.11	3.71	3.82	0.10	0.57	0.67	—	2,370	2,370	0.15	0.05	0.01	2,390
2026	0.65	0.59	4.39	28.5	0.05	0.10	7.67	7.77	0.10	3.94	4.04	—	5,313	5,313	0.22	0.05	0.01	5,332
2027	0.56	0.52	1.10	8.14	0.01	0.02	0.08	0.10	0.02	0.02	0.04	—	1,235	1,235	0.09	0.04	0.01	1,248
2028	0.54	0.51	1.09	8.06	0.01	0.02	0.08	0.10	0.02	0.02	0.04	—	1,232	1,232	0.09	0.04	0.01	1,245
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.03	0.03	0.21	0.58	< 0.005	0.01	0.17	0.18	< 0.005	0.03	0.03	—	111	111	0.01	< 0.005	0.01	112
2026	0.36	0.33	1.53	8.19	0.01	0.05	0.68	0.72	0.05	0.26	0.30	—	1,412	1,412	0.07	0.02	0.05	1,420
2027	0.40	0.37	0.78	5.79	0.01	0.01	0.05	0.07	0.01	0.01	0.03	—	882	882	0.06	0.03	0.11	892
2028	4.20	4.19	0.38	2.83	< 0.005	0.01	0.03	0.04	0.01	0.01	0.01	—	431	431	0.03	0.01	0.05	435
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2025	0.01	< 0.005	0.04	0.11	< 0.005	< 0.005	0.03	0.03	< 0.005	< 0.005	0.01	—	18.4	18.4	< 0.005	< 0.005	< 0.005	18.6
2026	0.07	0.06	0.28	1.50	< 0.005	0.01	0.12	0.13	0.01	0.05	0.05	—	234	234	0.01	< 0.005	0.01	235
2027	0.07	0.07	0.14	1.06	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	0.01	—	146	146	0.01	< 0.005	0.02	148
2028	0.77	0.76	0.07	0.52	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	71.3	71.3	0.01	< 0.005	0.01	72.1

2.5. Operations Emissions by Sector, Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.41	2.34	0.68	5.92	0.01	0.01	0.35	0.36	0.01	0.09	0.10	—	519	519	0.13	0.07	1.03	545
Area	7.23	7.09	0.14	15.3	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	809	809	0.05	0.01	—	812
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,453	1,453	0.09	0.01	—	1,459
Water	—	—	—	—	—	—	—	—	—	—	—	10.3	62.3	72.7	1.06	0.03	—	107
Waste	—	—	—	—	—	—	—	—	—	—	—	60.9	0.00	60.9	6.09	0.00	—	213

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60	1.60
Total	9.64	9.43	0.81	21.3	0.01	0.02	0.35	0.38	0.02	0.09	0.11	71.3	2,844	2,915	7.42	0.11	2.64	3,137
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.40	2.32	0.73	6.66	< 0.005	0.01	0.35	0.36	0.01	0.09	0.10	—	507	507	0.14	0.08	0.03	533
Area	5.19	5.19	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	757	757	0.05	0.01	—	760
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,453	1,453	0.09	0.01	—	1,459
Water	—	—	—	—	—	—	—	—	—	—	—	10.3	62.3	72.7	1.06	0.03	—	107
Waste	—	—	—	—	—	—	—	—	—	—	—	60.9	0.00	60.9	6.09	0.00	—	213
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60	1.60
Total	7.59	7.52	0.73	6.66	< 0.005	0.01	0.35	0.36	0.01	0.09	0.10	71.3	2,780	2,851	7.43	0.12	1.63	3,074
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.20	2.13	0.67	6.05	< 0.005	0.01	0.32	0.33	< 0.005	0.08	0.09	—	472	472	0.13	0.07	0.41	497
Area	6.59	6.49	0.09	10.5	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	87.1	87.1	< 0.005	< 0.005	—	87.4
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,453	1,453	0.09	0.01	—	1,459
Water	—	—	—	—	—	—	—	—	—	—	—	10.3	62.3	72.7	1.06	0.03	—	107
Waste	—	—	—	—	—	—	—	—	—	—	—	60.9	0.00	60.9	6.09	0.00	—	213
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60	1.60
Total	8.78	8.62	0.76	16.6	0.01	0.02	0.32	0.34	0.01	0.08	0.10	71.3	2,075	2,146	7.38	0.11	2.01	2,365
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.40	0.39	0.12	1.10	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.02	—	78.2	78.2	0.02	0.01	0.07	82.2
Area	1.20	1.18	0.02	1.92	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	14.4	14.4	< 0.005	< 0.005	—	14.5
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	241	241	0.01	< 0.005	—	242
Water	—	—	—	—	—	—	—	—	—	—	—	1.71	10.3	12.0	0.18	< 0.005	—	17.7
Waste	—	—	—	—	—	—	—	—	—	—	—	10.1	0.00	10.1	1.01	0.00	—	35.3
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Total	1.60	1.57	0.14	3.02	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.02	11.8	344	355	1.22	0.02	0.33	391

2.6. Operations Emissions by Sector, Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Sector	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.41	2.34	0.68	5.92	0.01	0.01	0.35	0.36	0.01	0.09	0.10	—	519	519	0.13	0.07	1.03	545
Area	7.23	7.09	0.14	15.3	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	809	809	0.05	0.01	—	812
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,453	1,453	0.09	0.01	—	1,459
Water	—	—	—	—	—	—	—	—	—	—	—	10.3	62.3	72.7	1.06	0.03	—	107
Waste	—	—	—	—	—	—	—	—	—	—	—	60.9	0.00	60.9	6.09	0.00	—	213
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60	1.60
Total	9.64	9.43	0.81	21.3	0.01	0.02	0.35	0.38	0.02	0.09	0.11	71.3	2,844	2,915	7.42	0.11	2.64	3,137
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.40	2.32	0.73	6.66	< 0.005	0.01	0.35	0.36	0.01	0.09	0.10	—	507	507	0.14	0.08	0.03	533
Area	5.19	5.19	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	757	757	0.05	0.01	—	760
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,453	1,453	0.09	0.01	—	1,459
Water	—	—	—	—	—	—	—	—	—	—	—	10.3	62.3	72.7	1.06	0.03	—	107
Waste	—	—	—	—	—	—	—	—	—	—	—	60.9	0.00	60.9	6.09	0.00	—	213
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60	1.60
Total	7.59	7.52	0.73	6.66	< 0.005	0.01	0.35	0.36	0.01	0.09	0.10	71.3	2,780	2,851	7.43	0.12	1.63	3,074
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	2.20	2.13	0.67	6.05	< 0.005	0.01	0.32	0.33	< 0.005	0.08	0.09	—	472	472	0.13	0.07	0.41	497
Area	6.59	6.49	0.09	10.5	< 0.005	0.01	—	0.01	0.01	—	0.01	0.00	87.1	87.1	< 0.005	< 0.005	—	87.4
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	1,453	1,453	0.09	0.01	—	1,459
Water	—	—	—	—	—	—	—	—	—	—	—	10.3	62.3	72.7	1.06	0.03	—	107
Waste	—	—	—	—	—	—	—	—	—	—	—	60.9	0.00	60.9	6.09	0.00	—	213

Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60	1.60
Total	8.78	8.62	0.76	16.6	0.01	0.02	0.32	0.34	0.01	0.08	0.10	71.3	2,075	2,146	7.38	0.11	2.01	2,365
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mobile	0.40	0.39	0.12	1.10	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.02	—	78.2	78.2	0.02	0.01	0.07	82.2
Area	1.20	1.18	0.02	1.92	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	14.4	14.4	< 0.005	< 0.005	—	14.5
Energy	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	241	241	0.01	< 0.005	—	242
Water	—	—	—	—	—	—	—	—	—	—	—	1.71	10.3	12.0	0.18	< 0.005	—	17.7
Waste	—	—	—	—	—	—	—	—	—	—	—	10.1	0.00	10.1	1.01	0.00	—	35.3
Refrig.	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26
Total	1.60	1.57	0.14	3.02	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.02	11.8	344	355	1.22	0.02	0.33	391

3. Construction Emissions Details

3.1. Demolition (2025) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.79	1.50	13.9	12.5	0.02	0.57	—	0.57	0.53	—	0.53	—	2,141	2,141	0.09	0.02	—	2,148
Demolition	—	—	—	—	—	—	3.67	3.67	—	0.56	0.56	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.08	0.07	0.65	0.58	< 0.005	0.03	—	0.03	0.02	—	0.02	—	101	101	< 0.005	< 0.005	—	101
Demolition	—	—	—	—	—	—	0.17	0.17	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.01	0.12	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.6	16.6	< 0.005	< 0.005	—	16.7
Demolition	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.01	0.14	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.67	7.67	< 0.005	< 0.005	< 0.005	8.08
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.04	1.07	0.74	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	222	222	0.06	0.04	0.01	234
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.36	0.36	< 0.005	< 0.005	< 0.005	0.38
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	< 0.005	11.0

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.72	1.72	< 0.005	< 0.005	< 0.005	1.82

3.2. Demolition (2025) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.52	0.46	3.37	11.5	0.02	0.11	—	0.11	0.10	—	0.10	—	2,141	2,141	0.09	0.02	—	2,148
Demolition	—	—	—	—	—	—	3.67	3.67	—	0.56	0.56	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.16	0.54	< 0.005	0.01	—	0.01	< 0.005	—	< 0.005	—	101	101	< 0.005	< 0.005	—	101
Demolition	—	—	—	—	—	—	0.17	0.17	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	< 0.005	< 0.005	0.03	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	16.6	16.6	< 0.005	< 0.005	—	16.7
Demoliti on	—	—	—	—	—	—	0.03	0.03	—	< 0.005	< 0.005	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.01	0.14	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.67	7.67	< 0.005	< 0.005	< 0.005	8.08
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.04	1.07	0.74	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	222	222	0.06	0.04	0.01	234
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.36	0.36	< 0.005	< 0.005	< 0.005	0.38
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.05	0.03	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	10.4	10.4	< 0.005	< 0.005	< 0.005	11.0
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.06	0.06	< 0.005	< 0.005	< 0.005	0.06
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.72	1.72	< 0.005	< 0.005	< 0.005	1.82

3.3. Demolition (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.70	1.43	12.9	11.9	0.02	0.53	—	0.53	0.48	—	0.48	—	2,142	2,142	0.09	0.02	—	2,149
Demolition	—	—	—	—	—	—	3.67	3.67	—	0.56	0.56	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.76	0.70	< 0.005	0.03	—	0.03	0.03	—	0.03	—	126	126	0.01	< 0.005	—	126
Demolition	—	—	—	—	—	—	0.22	0.22	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.14	0.13	< 0.005	0.01	—	0.01	0.01	—	0.01	—	20.8	20.8	< 0.005	< 0.005	—	20.9
Demolition	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.01	0.13	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.51	7.51	< 0.005	< 0.005	< 0.005	7.92
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.04	1.06	0.74	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	219	219	0.06	0.04	0.01	231
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.44	0.44	< 0.005	< 0.005	< 0.005	0.47
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.8	12.8	< 0.005	< 0.005	0.01	13.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.08
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.12	2.12	< 0.005	< 0.005	< 0.005	2.23

3.4. Demolition (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.51	0.45	3.32	11.5	0.02	0.10	—	0.10	0.09	—	0.09	—	2,142	2,142	0.09	0.02	—	2,149
Demolition	—	—	—	—	—	—	3.67	3.67	—	0.56	0.56	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.19	0.67	< 0.005	0.01	—	0.01	0.01	—	0.01	—	126	126	0.01	< 0.005	—	126
Demolition	—	—	—	—	—	—	0.22	0.22	—	0.03	0.03	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	< 0.005	0.04	0.12	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	20.8	20.8	< 0.005	< 0.005	—	20.9
Demolition	—	—	—	—	—	—	0.04	0.04	—	0.01	0.01	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.01	0.13	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.51	7.51	< 0.005	< 0.005	< 0.005	7.92
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.10	0.04	1.06	0.74	< 0.005	< 0.005	0.03	0.03	< 0.005	0.01	0.01	—	219	219	0.06	0.04	0.01	231
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.44	0.44	< 0.005	< 0.005	< 0.005	0.47
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Hauling	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.8	12.8	< 0.005	< 0.005	0.01	13.5
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.08
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.12	2.12	< 0.005	< 0.005	< 0.005	2.23

3.5. Site Preparation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	3.74	3.14	29.2	28.8	0.05	1.24	—	1.24	1.14	—	1.14	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.09	0.80	0.79	< 0.005	0.03	—	0.03	0.03	—	0.03	—	145	145	0.01	< 0.005	—	146

Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.14	< 0.005	0.01	—	0.01	0.01	—	0.01	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.01	0.16	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.76	8.76	< 0.005	< 0.005	< 0.005	9.24
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.58	6.58	< 0.005	< 0.005	< 0.005	6.94
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.24	0.24	< 0.005	< 0.005	< 0.005	0.26
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.18	0.18	< 0.005	< 0.005	< 0.005	0.19
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.04	0.04	< 0.005	< 0.005	< 0.005	0.04

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03

3.6. Site Preparation (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.50	0.50	2.59	28.3	0.05	0.10	—	0.10	0.10	—	0.10	—	5,298	5,298	0.21	0.04	—	5,316
Dust From Material Movement	—	—	—	—	—	—	7.67	7.67	—	3.94	3.94	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.78	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	145	145	0.01	< 0.005	—	146
Dust From Material Movement	—	—	—	—	—	—	0.21	0.21	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.01	0.14	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	24.0	24.0	< 0.005	< 0.005	—	24.1
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.01	0.16	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	8.76	8.76	< 0.005	< 0.005	< 0.005	9.24
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.58	6.58	< 0.005	< 0.005	< 0.005	6.94
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.24	0.24	< 0.005	< 0.005	< 0.005	0.26
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.18	0.18	< 0.005	< 0.005	< 0.005	0.19
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.04	0.04	< 0.005	< 0.005	< 0.005	0.04
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.03	0.03	< 0.005	< 0.005	< 0.005	0.03

3.7. Grading (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.96	1.65	15.0	17.4	0.03	0.65	—	0.65	0.59	—	0.59	—	2,960	2,960	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.16	0.14	1.23	1.43	< 0.005	0.05	—	0.05	0.05	—	0.05	—	243	243	0.01	< 0.005	—	244
Dust From Material Movement	—	—	—	—	—	—	0.23	0.23	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.26	< 0.005	0.01	—	0.01	0.01	—	0.01	—	40.3	40.3	< 0.005	< 0.005	—	40.4

Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.01	0.13	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.51	7.51	< 0.005	< 0.005	< 0.005	7.92
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.03	0.76	0.53	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	157	157	0.04	0.03	< 0.005	166
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.62	0.62	< 0.005	< 0.005	< 0.005	0.66
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.9	12.9	< 0.005	< 0.005	0.01	13.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.10	0.10	< 0.005	< 0.005	< 0.005	0.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.13	2.13	< 0.005	< 0.005	< 0.005	2.25

3.8. Grading (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.38	0.36	2.20	17.8	0.03	0.08	—	0.08	0.07	—	0.07	—	2,960	2,960	0.12	0.02	—	2,970
Dust From Material Movement	—	—	—	—	—	—	2.77	2.77	—	1.34	1.34	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.18	1.46	< 0.005	0.01	—	0.01	0.01	—	0.01	—	243	243	0.01	< 0.005	—	244
Dust From Material Movement	—	—	—	—	—	—	0.23	0.23	—	0.11	0.11	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.03	0.27	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	40.3	40.3	< 0.005	< 0.005	—	40.4
Dust From Material Movement	—	—	—	—	—	—	0.04	0.04	—	0.02	0.02	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.01	0.13	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.51	7.51	< 0.005	< 0.005	< 0.005	7.92
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.07	0.03	0.76	0.53	< 0.005	< 0.005	0.02	0.02	< 0.005	0.01	0.01	—	157	157	0.04	0.03	< 0.005	166
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.62	0.62	< 0.005	< 0.005	< 0.005	0.66
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.9	12.9	< 0.005	< 0.005	0.01	13.6
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.10	0.10	< 0.005	< 0.005	< 0.005	0.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.13	2.13	< 0.005	< 0.005	< 0.005	2.25

3.9. Building Construction (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road Equipment	0.48	0.40	3.88	5.40	0.01	0.16	—	0.16	0.14	—	0.14	—	1,043	1,043	0.04	0.01	—	1,047
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.48	0.40	3.88	5.40	0.01	0.16	—	0.16	0.14	—	0.14	—	1,043	1,043	0.04	0.01	—	1,047
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.08	0.82	1.14	< 0.005	0.03	—	0.03	0.03	—	0.03	—	220	220	0.01	< 0.005	—	221
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.15	0.21	< 0.005	0.01	—	0.01	0.01	—	0.01	—	36.5	36.5	< 0.005	< 0.005	—	36.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.43	0.11	1.30	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	85.2	85.2	0.03	0.01	0.20	89.9
Vendor	0.04	0.02	0.43	0.32	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	105	105	0.02	0.02	0.17	110

Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.53	6.53	< 0.005	< 0.005	0.01	6.90
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.43	0.12	1.48	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	82.8	82.8	0.03	0.01	0.01	87.4
Vendor	0.04	0.02	0.45	0.33	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	106	106	0.02	0.02	< 0.005	111
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.58	6.58	< 0.005	< 0.005	< 0.005	6.94
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.03	0.31	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	17.7	17.7	0.01	< 0.005	0.02	18.6
Vendor	0.01	< 0.005	0.09	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	22.3	22.3	< 0.005	< 0.005	0.02	23.4
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.39	1.39	< 0.005	< 0.005	< 0.005	1.46
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	< 0.005	0.06	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.92	2.92	< 0.005	< 0.005	< 0.005	3.08
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.69	3.69	< 0.005	< 0.005	< 0.005	3.87
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.23	0.23	< 0.005	< 0.005	< 0.005	0.24

3.10. Building Construction (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.10	0.51	6.40	0.01	0.02	—	0.02	0.02	—	0.02	—	1,043	1,043	0.04	0.01	—	1,047
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.10	0.51	6.40	0.01	0.02	—	0.02	0.02	—	0.02	—	1,043	1,043	0.04	0.01	—	1,047
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.11	1.35	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	220	220	0.01	< 0.005	—	221
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.25	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	36.5	36.5	< 0.005	< 0.005	—	36.6
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.43	0.11	1.30	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	85.2	85.2	0.03	0.01	0.20	89.9
Vendor	0.04	0.02	0.43	0.32	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	105	105	0.02	0.02	0.17	110
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.53	6.53	< 0.005	< 0.005	0.01	6.90
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.44	0.43	0.12	1.48	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	82.8	82.8	0.03	0.01	0.01	87.4

Vendor	0.04	0.02	0.45	0.33	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	106	106	0.02	0.02	< 0.005	111
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.58	6.58	< 0.005	< 0.005	< 0.005	6.94
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.09	0.09	0.03	0.31	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	17.7	17.7	0.01	< 0.005	0.02	18.6
Vendor	0.01	< 0.005	0.09	0.07	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	22.3	22.3	< 0.005	< 0.005	0.02	23.4
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.39	1.39	< 0.005	< 0.005	< 0.005	1.46
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	< 0.005	0.06	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.92	2.92	< 0.005	< 0.005	< 0.005	3.08
Vendor	< 0.005	< 0.005	0.02	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	3.69	3.69	< 0.005	< 0.005	< 0.005	3.87
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.23	0.23	< 0.005	< 0.005	< 0.005	0.24

3.11. Building Construction (2027) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.39	3.67	5.39	0.01	0.14	—	0.14	0.13	—	0.13	—	1,043	1,043	0.04	0.01	—	1,046
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.46	0.39	3.67	5.39	0.01	0.14	—	0.14	0.13	—	0.13	—	1,043	1,043	0.04	0.01	—	1,046

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.33	0.28	2.62	3.85	0.01	0.10	—	0.10	0.09	—	0.09	—	745	745	0.03	0.01	—	747
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.06	0.05	0.48	0.70	< 0.005	0.02	—	0.02	0.02	—	0.02	—	123	123	0.01	< 0.005	—	124
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.41	0.10	1.22	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	83.7	83.7	0.02	0.01	0.18	88.2
Vendor	0.04	0.02	0.42	0.31	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	104	104	0.02	0.02	0.15	109
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.43	6.43	< 0.005	< 0.005	0.01	6.79
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.40	0.11	1.39	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	81.3	81.3	0.03	0.01	< 0.005	85.8
Vendor	0.04	0.02	0.44	0.33	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	104	104	0.02	0.02	< 0.005	109
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.48	6.48	< 0.005	< 0.005	< 0.005	6.84
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.29	0.08	0.97	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	58.6	58.6	0.02	0.01	0.06	61.8
Vendor	0.03	0.01	0.31	0.23	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	74.1	74.1	0.01	0.01	0.05	77.8

Hauling	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.61	4.61	< 0.005	< 0.005	< 0.005	4.86
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.01	0.18	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.70	9.70	< 0.005	< 0.005	0.01	10.2
Vendor	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.3	12.3	< 0.005	< 0.005	0.01	12.9
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.76	0.76	< 0.005	< 0.005	< 0.005	0.81

3.12. Building Construction (2027) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.10	0.51	6.40	0.01	0.02	—	0.02	0.02	—	0.02	—	1,043	1,043	0.04	0.01	—	1,046
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.10	0.51	6.40	0.01	0.02	—	0.02	0.02	—	0.02	—	1,043	1,043	0.04	0.01	—	1,046
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.07	0.07	0.37	4.57	0.01	0.01	—	0.01	0.01	—	0.01	—	745	745	0.03	0.01	—	747

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.83	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	123	123	0.01	< 0.005	—	124
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.41	0.10	1.22	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	83.7	83.7	0.02	0.01	0.18	88.2
Vendor	0.04	0.02	0.42	0.31	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	104	104	0.02	0.02	0.15	109
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.43	6.43	< 0.005	< 0.005	0.01	6.79
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.42	0.40	0.11	1.39	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	81.3	81.3	0.03	0.01	< 0.005	85.8
Vendor	0.04	0.02	0.44	0.33	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	104	104	0.02	0.02	< 0.005	109
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.48	6.48	< 0.005	< 0.005	< 0.005	6.84
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.30	0.29	0.08	0.97	0.00	0.00	0.04	0.04	0.00	0.01	0.01	—	58.6	58.6	0.02	0.01	0.06	61.8
Vendor	0.03	0.01	0.31	0.23	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	74.1	74.1	0.01	0.01	0.05	77.8
Hauling	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	4.61	4.61	< 0.005	< 0.005	< 0.005	4.86
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.05	0.05	0.01	0.18	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	9.70	9.70	< 0.005	< 0.005	0.01	10.2
Vendor	0.01	< 0.005	0.06	0.04	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	12.3	12.3	< 0.005	< 0.005	0.01	12.9
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.76	0.76	< 0.005	< 0.005	< 0.005	0.81

3.13. Building Construction (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.37	3.46	5.40	0.01	0.12	—	0.12	0.11	—	0.11	—	1,043	1,043	0.04	0.01	—	1,047
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.44	0.37	3.46	5.40	0.01	0.12	—	0.12	0.11	—	0.11	—	1,043	1,043	0.04	0.01	—	1,047
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.15	0.13	1.20	1.87	< 0.005	0.04	—	0.04	0.04	—	0.04	—	361	361	0.01	< 0.005	—	363
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.02	0.22	0.34	< 0.005	0.01	—	0.01	0.01	—	0.01	—	59.8	59.8	< 0.005	< 0.005	—	60.0

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.40	0.39	0.10	1.15	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	82.2	82.2	0.02	0.01	0.16	86.1
Vendor	0.04	0.02	0.42	0.31	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	102	102	0.02	0.02	0.14	107
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.31	6.31	< 0.005	< 0.005	0.01	6.67
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.40	0.39	0.11	1.31	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	79.8	79.8	0.03	0.01	< 0.005	84.2
Vendor	0.04	0.02	0.44	0.32	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	102	102	0.02	0.02	< 0.005	107
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.36	6.36	< 0.005	< 0.005	< 0.005	6.71
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.14	0.04	0.44	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	27.9	27.9	0.01	< 0.005	0.02	29.4
Vendor	0.01	0.01	0.15	0.11	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.3	35.3	0.01	0.01	0.02	37.0
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.19	2.19	< 0.005	< 0.005	< 0.005	2.32
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.01	0.08	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.61	4.61	< 0.005	< 0.005	< 0.005	4.87
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.84	5.84	< 0.005	< 0.005	< 0.005	6.13
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.36	0.36	< 0.005	< 0.005	< 0.005	0.38

3.14. Building Construction (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.10	0.51	6.40	0.01	0.02	—	0.02	0.02	—	0.02	—	1,043	1,043	0.04	0.01	—	1,047
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.10	0.10	0.51	6.40	0.01	0.02	—	0.02	0.02	—	0.02	—	1,043	1,043	0.04	0.01	—	1,047
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.03	0.03	0.18	2.22	< 0.005	0.01	—	0.01	0.01	—	0.01	—	361	361	0.01	< 0.005	—	363
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.03	0.40	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	59.8	59.8	< 0.005	< 0.005	—	60.0
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Worker	0.40	0.39	0.10	1.15	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	82.2	82.2	0.02	0.01	0.16	86.1
Vendor	0.04	0.02	0.42	0.31	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	102	102	0.02	0.02	0.14	107
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.31	6.31	< 0.005	< 0.005	0.01	6.67
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.40	0.39	0.11	1.31	0.00	0.00	0.06	0.06	0.00	0.01	0.01	—	79.8	79.8	0.03	0.01	< 0.005	84.2
Vendor	0.04	0.02	0.44	0.32	< 0.005	< 0.005	0.02	0.02	< 0.005	< 0.005	0.01	—	102	102	0.02	0.02	< 0.005	107
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.36	6.36	< 0.005	< 0.005	< 0.005	6.71
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.14	0.14	0.04	0.44	0.00	0.00	0.02	0.02	0.00	< 0.005	< 0.005	—	27.9	27.9	0.01	< 0.005	0.02	29.4
Vendor	0.01	0.01	0.15	0.11	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	35.3	35.3	0.01	0.01	0.02	37.0
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	2.19	2.19	< 0.005	< 0.005	< 0.005	2.32
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.03	0.02	0.01	0.08	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	4.61	4.61	< 0.005	< 0.005	< 0.005	4.87
Vendor	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	5.84	5.84	< 0.005	< 0.005	< 0.005	6.13
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.36	0.36	< 0.005	< 0.005	< 0.005	0.38

3.15. Paving (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.16	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.91	0.76	7.12	9.94	0.01	0.32	—	0.32	0.29	—	0.29	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.16	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.05	0.04	0.39	0.54	< 0.005	0.02	—	0.02	0.02	—	0.02	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.01	0.01	0.07	0.10	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.01	0.12	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.73	7.73	< 0.005	< 0.005	0.02	8.15
Vendor	0.01	0.01	0.14	0.10	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.5	34.5	0.01	0.01	0.06	36.3

Hauling	0.01	< 0.005	0.11	0.08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	22.9	22.9	0.01	< 0.005	0.02	24.2
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.01	0.13	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.51	7.51	< 0.005	< 0.005	< 0.005	7.92
Vendor	0.01	0.01	0.15	0.11	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.8	34.8	0.01	0.01	< 0.005	36.4
Hauling	0.01	< 0.005	0.11	0.08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	23.0	23.0	0.01	< 0.005	< 0.005	24.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.42	0.42	< 0.005	< 0.005	< 0.005	0.44
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.90	1.90	< 0.005	< 0.005	< 0.005	1.99
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.26	1.26	< 0.005	< 0.005	< 0.005	1.33
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.07
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.31	0.31	< 0.005	< 0.005	< 0.005	0.33
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22

3.16. Paving (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.38	2.35	10.6	0.01	0.10	—	0.10	0.09	—	0.09	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.16	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.43	0.38	2.35	10.6	0.01	0.10	—	0.10	0.09	—	0.09	—	1,511	1,511	0.06	0.01	—	1,516
Paving	0.16	0.16	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.02	0.02	0.13	0.58	< 0.005	0.01	—	0.01	0.01	—	0.01	—	82.8	82.8	< 0.005	< 0.005	—	83.1
Paving	0.01	0.01	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	< 0.005	< 0.005	0.02	0.11	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	13.7	13.7	< 0.005	< 0.005	—	13.8
Paving	< 0.005	< 0.005	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.01	0.12	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.73	7.73	< 0.005	< 0.005	0.02	8.15
Vendor	0.01	0.01	0.14	0.10	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.5	34.5	0.01	0.01	0.06	36.3
Hauling	0.01	< 0.005	0.11	0.08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	22.9	22.9	0.01	< 0.005	0.02	24.2

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.04	0.04	0.01	0.13	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	7.51	7.51	< 0.005	< 0.005	< 0.005	7.92
Vendor	0.01	0.01	0.15	0.11	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	34.8	34.8	0.01	0.01	< 0.005	36.4
Hauling	0.01	< 0.005	0.11	0.08	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	23.0	23.0	0.01	< 0.005	< 0.005	24.3
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.42	0.42	< 0.005	< 0.005	< 0.005	0.44
Vendor	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.90	1.90	< 0.005	< 0.005	< 0.005	1.99
Hauling	< 0.005	< 0.005	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.26	1.26	< 0.005	< 0.005	< 0.005	1.33
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.07	0.07	< 0.005	< 0.005	< 0.005	0.07
Vendor	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.31	0.31	< 0.005	< 0.005	< 0.005	0.33
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.21	0.21	< 0.005	< 0.005	< 0.005	0.22

3.17. Architectural Coating (2028) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	24.3	24.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	4.00	4.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.73	0.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.02	0.23	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	16.4	16.4	< 0.005	< 0.005	0.03	17.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.31	6.31	< 0.005	< 0.005	0.01	6.67

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.04	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.65	2.65	< 0.005	< 0.005	< 0.005	2.79
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.04	1.04	< 0.005	< 0.005	< 0.005	1.10
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.44	0.44	< 0.005	< 0.005	< 0.005	0.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.17	0.17	< 0.005	< 0.005	< 0.005	0.18

3.18. Architectural Coating (2028) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	24.3	24.3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	4.00	4.00	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Architectural Coatings	0.73	0.73	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.08	0.08	0.02	0.23	0.00	0.00	0.01	0.01	0.00	< 0.005	< 0.005	—	16.4	16.4	< 0.005	< 0.005	0.03	17.2
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.31	6.31	< 0.005	< 0.005	0.01	6.67
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.04	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	2.65	2.65	< 0.005	< 0.005	< 0.005	2.79

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.04	1.04	< 0.005	< 0.005	< 0.005	1.10
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	0.01	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.44	0.44	< 0.005	< 0.005	< 0.005	0.46
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.17	0.17	< 0.005	< 0.005	< 0.005	0.18

3.19. Utility Installation (2026) - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	1.42	1.19	10.6	10.4	0.02	0.45	—	0.45	0.42	—	0.42	—	1,877	1,877	0.08	0.02	—	1,883
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Road Equipment	0.39	0.33	2.94	2.88	< 0.005	0.13	—	0.13	0.12	—	0.12	—	519	519	0.02	< 0.005	—	521
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Road	0.07	0.06	0.54	0.52	< 0.005	0.02	—	0.02	0.02	—	0.02	—	86.0	86.0	< 0.005	< 0.005	—	86.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	< 0.005	0.06	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.87	3.87	< 0.005	< 0.005	0.01	4.08
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.53	6.53	< 0.005	< 0.005	0.01	6.90
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.05	1.05	< 0.005	< 0.005	< 0.005	1.11
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.81	1.81	< 0.005	< 0.005	< 0.005	1.91
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.17	0.17	< 0.005	< 0.005	< 0.005	0.18
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.30	0.30	< 0.005	< 0.005	< 0.005	0.32

3.20. Utility Installation (2026) - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Location	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Onsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Off-Roa Equipment	0.37	0.34	2.06	10.2	0.02	0.08	—	0.08	0.08	—	0.08	—	1,877	1,877	0.08	0.02	—	1,883
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.10	0.09	0.57	2.82	< 0.005	0.02	—	0.02	0.02	—	0.02	—	519	519	0.02	< 0.005	—	521
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Off-Roa d Equipm ent	0.02	0.02	0.10	0.51	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	86.0	86.0	< 0.005	< 0.005	—	86.3
Onsite truck	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Offsite	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.02	0.02	< 0.005	0.06	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	3.87	3.87	< 0.005	< 0.005	0.01	4.08
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.03	0.02	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	6.53	6.53	< 0.005	< 0.005	0.01	6.90
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Average Daily	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	0.01	0.01	< 0.005	0.02	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	1.05	1.05	< 0.005	< 0.005	< 0.005	1.11

Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	1.81	1.81	< 0.005	< 0.005	< 0.005	1.91
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Worker	< 0.005	< 0.005	< 0.005	< 0.005	0.00	0.00	< 0.005	< 0.005	0.00	< 0.005	< 0.005	—	0.17	0.17	< 0.005	< 0.005	< 0.005	0.18
Vendor	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Hauling	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	< 0.005	—	0.30	0.30	< 0.005	< 0.005	< 0.005	0.32

4. Operations Emissions Details

4.1. Mobile Emissions by Land Use

4.1.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.46	0.44	0.13	1.13	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	98.7	98.7	0.02	0.01	0.20	104
Apartments Mid Rise	1.95	1.90	0.55	4.80	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08	—	421	421	0.10	0.06	0.84	442
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Total	2.41	2.34	0.68	5.92	0.01	0.01	0.35	0.36	0.01	0.09	0.10	—	519	519	0.13	0.07	1.03	545
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.46	0.44	0.14	1.27	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	96.4	96.4	0.03	0.01	0.01	101
Apartments Mid Rise	1.94	1.88	0.59	5.40	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08	—	411	411	0.11	0.06	0.02	432
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.40	2.32	0.73	6.66	< 0.005	0.01	0.35	0.36	0.01	0.09	0.10	—	507	507	0.14	0.08	0.03	533
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.08	0.08	0.02	0.22	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	15.8	15.8	< 0.005	< 0.005	0.01	16.6
Apartments Mid Rise	0.32	0.31	0.10	0.88	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	62.4	62.4	0.02	0.01	0.05	65.6
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00

Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.40	0.39	0.12	1.10	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.02	—	78.2	78.2	0.02	0.01	0.07	82.2

4.1.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.46	0.44	0.13	1.13	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	98.7	98.7	0.02	0.01	0.20	104
Apartments Mid Rise	1.95	1.90	0.55	4.80	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08	—	421	421	0.10	0.06	0.84	442
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.41	2.34	0.68	5.92	0.01	0.01	0.35	0.36	0.01	0.09	0.10	—	519	519	0.13	0.07	1.03	545
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.46	0.44	0.14	1.27	< 0.005	< 0.005	0.07	0.07	< 0.005	0.02	0.02	—	96.4	96.4	0.03	0.01	0.01	101

Apartments	1.94	1.88	0.59	5.40	< 0.005	< 0.005	0.29	0.29	< 0.005	0.07	0.08	—	411	411	0.11	0.06	0.02	432
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	2.40	2.32	0.73	6.66	< 0.005	0.01	0.35	0.36	0.01	0.09	0.10	—	507	507	0.14	0.08	0.03	533
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.08	0.08	0.02	0.22	< 0.005	< 0.005	0.01	0.01	< 0.005	< 0.005	< 0.005	—	15.8	15.8	< 0.005	< 0.005	0.01	16.6
Apartments Mid Rise	0.32	0.31	0.10	0.88	< 0.005	< 0.005	0.05	0.05	< 0.005	0.01	0.01	—	62.4	62.4	0.02	0.01	0.05	65.6
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	0.00	0.00	0.00	0.00
Total	0.40	0.39	0.12	1.10	< 0.005	< 0.005	0.06	0.06	< 0.005	0.01	0.02	—	78.2	78.2	0.02	0.01	0.07	82.2

4.2. Energy

4.2.1. Electricity Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	339	339	0.02	< 0.005	—	340
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,046	1,046	0.06	0.01	—	1,050
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	68.4	68.4	< 0.005	< 0.005	—	68.7
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,453	1,453	0.09	0.01	—	1,459
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	339	339	0.02	< 0.005	—	340
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,046	1,046	0.06	0.01	—	1,050
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	68.4	68.4	< 0.005	< 0.005	—	68.7

Recreational Swimming	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,453	1,453	0.09	0.01	—	1,459
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	56.1	56.1	< 0.005	< 0.005	—	56.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	173	173	0.01	< 0.005	—	174
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	11.3	11.3	< 0.005	< 0.005	—	11.4
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	241	241	0.01	< 0.005	—	242

4.2.2. Electricity Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	339	339	0.02	< 0.005	—	340
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,046	1,046	0.06	0.01	—	1,050
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	68.4	68.4	< 0.005	< 0.005	—	68.7
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,453	1,453	0.09	0.01	—	1,459
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	339	339	0.02	< 0.005	—	340
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	1,046	1,046	0.06	0.01	—	1,050
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	68.4	68.4	< 0.005	< 0.005	—	68.7
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	1,453	1,453	0.09	0.01	—	1,459

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	56.1	56.1	< 0.005	< 0.005	—	56.3
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	173	173	0.01	< 0.005	—	174
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	—	11.3	11.3	< 0.005	< 0.005	—	11.4
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	—	241	241	0.01	< 0.005	—	242

4.2.3. Natural Gas Emissions By Land Use - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

Recreati Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.2.4. Natural Gas Emissions By Land Use - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Apartments Mid Rise	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00
Total	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	—	0.00	0.00	0.00	0.00	—	0.00

4.3. Area Emissions by Source

4.3.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	757	757	0.05	0.01	—	760
Consumer Products	4.79	4.79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.40	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.03	1.89	0.14	15.3	< 0.005	0.02	—	0.02	0.01	—	0.01	—	51.4	51.4	< 0.005	< 0.005	—	51.6
Total	7.23	7.09	0.14	15.3	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	809	809	0.05	0.01	—	812
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	757	757	0.05	0.01	—	760
Consumer Products	4.79	4.79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.40	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	5.19	5.19	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	757	757	0.05	0.01	—	760

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	8.59	8.59	< 0.005	< 0.005	—	8.62
Consumer Products	0.87	0.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.25	0.24	0.02	1.92	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.83	5.83	< 0.005	< 0.005	—	5.85
Total	1.20	1.18	0.02	1.92	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	14.4	14.4	< 0.005	< 0.005	—	14.5

4.3.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Source	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	757	757	0.05	0.01	—	760
Consumer Products	4.79	4.79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.40	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	2.03	1.89	0.14	15.3	< 0.005	0.02	—	0.02	0.01	—	0.01	—	51.4	51.4	< 0.005	< 0.005	—	51.6
Total	7.23	7.09	0.14	15.3	< 0.005	0.02	—	0.02	0.01	—	0.01	0.00	809	809	0.05	0.01	—	812

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	757	757	0.05	0.01	—	760
Consumer Products	4.79	4.79	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.40	0.40	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	5.19	5.19	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	757	757	0.05	0.01	—	760
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hearths	0.00	0.00	0.00	0.00	0.00	0.00	—	0.00	0.00	—	0.00	0.00	8.59	8.59	< 0.005	< 0.005	—	8.62
Consumer Products	0.87	0.87	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Architectural Coatings	0.07	0.07	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Landscape Equipment	0.25	0.24	0.02	1.92	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	—	5.83	5.83	< 0.005	< 0.005	—	5.85
Total	1.20	1.18	0.02	1.92	< 0.005	< 0.005	—	< 0.005	< 0.005	—	< 0.005	0.00	14.4	14.4	< 0.005	< 0.005	—	14.5

4.4. Water Emissions by Land Use

4.4.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e

Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.44	8.37	9.81	0.15	< 0.005	—	14.6
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	8.77	52.4	61.1	0.90	0.02	—	90.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.88	0.88	< 0.005	< 0.005	—	0.88
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.14	0.70	0.84	0.01	< 0.005	—	1.29
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	10.3	62.3	72.7	1.06	0.03	—	107
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.44	8.37	9.81	0.15	< 0.005	—	14.6
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	8.77	52.4	61.1	0.90	0.02	—	90.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.88	0.88	< 0.005	< 0.005	—	0.88
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.14	0.70	0.84	0.01	< 0.005	—	1.29

Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	10.3	62.3	72.7	1.06	0.03	—	107
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	0.24	1.39	1.62	0.02	< 0.005	—	2.41
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	1.45	8.67	10.1	0.15	< 0.005	—	14.9
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.14	0.14	< 0.005	< 0.005	—	0.15
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.02	0.12	0.14	< 0.005	< 0.005	—	0.21
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1.71	10.3	12.0	0.18	< 0.005	—	17.7

4.4.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.44	8.37	9.81	0.15	< 0.005	—	14.6
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	8.77	52.4	61.1	0.90	0.02	—	90.2

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.88	0.88	< 0.005	< 0.005	—	0.88
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.14	0.70	0.84	0.01	< 0.005	—	1.29
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	10.3	62.3	72.7	1.06	0.03	—	107
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.44	8.37	9.81	0.15	< 0.005	—	14.6
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	8.77	52.4	61.1	0.90	0.02	—	90.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.88	0.88	< 0.005	< 0.005	—	0.88
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.14	0.70	0.84	0.01	< 0.005	—	1.29
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	10.3	62.3	72.7	1.06	0.03	—	107
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	0.24	1.39	1.62	0.02	< 0.005	—	2.41

Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	1.45	8.67	10.1	0.15	< 0.005	—	14.9
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.14	0.14	< 0.005	< 0.005	—	0.15
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.02	0.12	0.14	< 0.005	< 0.005	—	0.21
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	1.71	10.3	12.0	0.18	< 0.005	—	17.7

4.5. Waste Emissions by Land Use

4.5.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	8.58	0.00	8.58	0.86	0.00	—	30.0
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	48.7	0.00	48.7	4.87	0.00	—	170
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	3.69	0.00	3.69	0.37	0.00	—	12.9
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	60.9	0.00	60.9	6.09	0.00	—	213
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	8.58	0.00	8.58	0.86	0.00	—	30.0
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	48.7	0.00	48.7	4.87	0.00	—	170
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	3.69	0.00	3.69	0.37	0.00	—	12.9
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	60.9	0.00	60.9	6.09	0.00	—	213
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.42	0.00	1.42	0.14	0.00	—	4.97
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	8.06	0.00	8.06	0.81	0.00	—	28.2

Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.61	0.00	0.61	0.06	0.00	—	2.14
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	10.1	0.00	10.1	1.01	0.00	—	35.3

4.5.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	8.58	0.00	8.58	0.86	0.00	—	30.0
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	48.7	0.00	48.7	4.87	0.00	—	170
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	3.69	0.00	3.69	0.37	0.00	—	12.9
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	60.9	0.00	60.9	6.09	0.00	—	213

Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	8.58	0.00	8.58	0.86	0.00	—	30.0
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	48.7	0.00	48.7	4.87	0.00	—	170
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	3.69	0.00	3.69	0.37	0.00	—	12.9
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Total	—	—	—	—	—	—	—	—	—	—	—	60.9	0.00	60.9	6.09	0.00	—	213
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	1.42	0.00	1.42	0.14	0.00	—	4.97
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	8.06	0.00	8.06	0.81	0.00	—	28.2
Parking Lot	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	0.61	0.00	0.61	0.06	0.00	—	2.14
Other Non-Asphalt Surfaces	—	—	—	—	—	—	—	—	—	—	—	0.00	0.00	0.00	0.00	0.00	—	0.00

Total	—	—	—	—	—	—	—	—	—	—	—	10.1	0.00	10.1	1.01	0.00	—	35.3

4.6. Refrigerant Emissions by Land Use

4.6.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.36	1.36
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60	1.60
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.36	1.36

Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60	1.60
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26

4.6.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.36	1.36

Recreational Swimming	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60	1.60
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.24	0.24
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.36	1.36
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.01	0.01
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1.60	1.60
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Single Family Housing	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.04	0.04
Apartments Mid Rise	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.23	0.23
Recreational Swimming Pool	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	< 0.005	< 0.005
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	0.26	0.26

4.7. Offroad Emissions By Equipment Type

4.7.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.7.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8. Stationary Emissions By Equipment Type

4.8.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.8.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9. User Defined Emissions By Equipment Type

4.9.1. Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.9.2. Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Equipment Type	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10. Soil Carbon Accumulation By Vegetation Type

4.10.1. Soil Carbon Accumulation By Vegetation Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.2. Above and Belowground Carbon Accumulation by Land Use Type - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.3. Avoided and Sequestered Emissions by Species - Unmitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.4. Soil Carbon Accumulation By Vegetation Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Vegetation	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.5. Above and Belowground Carbon Accumulation by Land Use Type - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Land Use	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

4.10.6. Avoided and Sequestered Emissions by Species - Mitigated

Criteria Pollutants (lb/day for daily, ton/yr for annual) and GHGs (lb/day for daily, MT/yr for annual)

Species	TOG	ROG	NOx	CO	SO2	PM10E	PM10D	PM10T	PM2.5E	PM2.5D	PM2.5T	BCO2	NBCO2	CO2T	CH4	N2O	R	CO2e
Daily, Summer (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Daily, Winter (Max)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

Remove	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Annual	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Avoided	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Sequestered	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Removed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Subtotal	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

5. Activity Data

5.1. Construction Schedule

Phase Name	Phase Type	Start Date	End Date	Days Per Week	Work Days per Phase	Phase Description
Demolition	Demolition	12/8/2025	1/30/2026	5.00	40.0	Increase from 20 to 40 days due to large amount of debris to be transported
Site Preparation	Site Preparation	1/31/2026	2/13/2026	5.00	10.0	Default number of days
Grading	Grading	2/14/2026	3/27/2026	5.00	30.0	Increased from 20 to 30 days to better match applicant-provided schedule
Building Construction	Building Construction	9/15/2026	6/25/2028	5.00	464	Increased from 230 days to 464 to match applicant-provided schedule
Paving	Paving	3/28/2026	4/24/2026	5.00	20.0	Default number of days

Architectural Coating	Architectural Coating	6/26/2028	9/15/2028	5.00	60.0	Increased from 20 to 60 days to match applicant-provided schedule
Utility Installation	Trenching	4/25/2026	9/14/2026	5.00	101	Remaining days to match 7-month schedule for site development, grading, utility installation, and roadway construction

5.2. Off-Road Equipment

5.2.1. Unmitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Average	2.00	5.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	5.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	5.00	33.0	0.73
Site Preparation	Rubber Tired Dozers	Diesel	Average	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Average	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Average	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Average	3.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Average	3.00	4.00	82.0	0.20
Building Construction	Generator Sets	Electric	Average	1.00	4.00	14.0	0.74
Building Construction	Cranes	Diesel	Average	1.00	3.50	367	0.29
Building Construction	Welders	Electric	Average	1.00	4.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Average	3.00	3.50	84.0	0.37

Paving	Pavers	Diesel	Average	2.00	8.00	81.0	0.42
Paving	Paving Equipment	Diesel	Average	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48
Utility Installation	Tractors/Loaders/Backhoes	Diesel	Average	1.00	8.00	84.0	0.37
Utility Installation	Rubber Tired Dozers	Diesel	Average	1.00	8.00	367	0.40
Utility Installation	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50

5.2.2. Mitigated

Phase Name	Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor
Demolition	Rubber Tired Dozers	Diesel	Tier 4 Final	2.00	5.00	367	0.40
Demolition	Excavators	Diesel	Average	3.00	5.00	36.0	0.38
Demolition	Concrete/Industrial Saws	Diesel	Average	1.00	5.00	33.0	0.73
Site Preparation	Rubber Tired Dozers	Diesel	Tier 4 Final	3.00	8.00	367	0.40
Site Preparation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	4.00	8.00	84.0	0.37
Grading	Graders	Diesel	Tier 4 Final	1.00	8.00	148	0.41
Grading	Excavators	Diesel	Average	1.00	8.00	36.0	0.38
Grading	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	8.00	84.0	0.37
Grading	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Building Construction	Forklifts	Diesel	Tier 4 Final	3.00	4.00	82.0	0.20
Building Construction	Generator Sets	Electric	Average	1.00	4.00	14.0	0.74
Building Construction	Cranes	Diesel	Tier 4 Final	1.00	3.50	367	0.29
Building Construction	Welders	Electric	Average	1.00	4.00	46.0	0.45
Building Construction	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	3.00	3.50	84.0	0.37
Paving	Pavers	Diesel	Tier 4 Final	2.00	8.00	81.0	0.42

Paving	Paving Equipment	Diesel	Tier 4 Final	2.00	8.00	89.0	0.36
Paving	Rollers	Diesel	Average	2.00	8.00	36.0	0.38
Architectural Coating	Air Compressors	Electric	Average	1.00	6.00	37.0	0.48
Utility Installation	Tractors/Loaders/Backhoes	Diesel	Tier 4 Final	1.00	8.00	84.0	0.37
Utility Installation	Rubber Tired Dozers	Diesel	Tier 4 Final	1.00	8.00	367	0.40
Utility Installation	Trenchers	Diesel	Average	1.00	8.00	40.0	0.50

5.3. Construction Vehicles

5.3.1. Unmitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	0.50	LDA,LDT1,LDT2
Demolition	Vendor	—	0.50	HHDT,MHDT
Demolition	Hauling	66.5	0.50	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	0.50	LDA,LDT1,LDT2
Site Preparation	Vendor	—	0.50	HHDT,MHDT
Site Preparation	Hauling	2.00	0.50	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	0.50	LDA,LDT1,LDT2
Grading	Vendor	—	0.50	HHDT,MHDT
Grading	Hauling	47.8	0.50	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	165	0.50	LDA,LDT1,LDT2

Building Construction	Vendor	42.6	0.50	HHDT,MHDT
Building Construction	Hauling	2.00	0.50	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	0.50	LDA,LDT1,LDT2
Paving	Vendor	14.0	0.50	HHDT,MHDT
Paving	Hauling	7.00	0.50	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	33.1	0.50	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	0.50	HHDT,MHDT
Architectural Coating	Hauling	2.00	0.50	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Utility Installation	—	—	—	—
Utility Installation	Worker	7.50	0.50	LDA,LDT1,LDT2
Utility Installation	Vendor	—	0.50	HHDT,MHDT
Utility Installation	Hauling	2.00	0.50	HHDT
Utility Installation	Onsite truck	—	—	HHDT

5.3.2. Mitigated

Phase Name	Trip Type	One-Way Trips per Day	Miles per Trip	Vehicle Mix
Demolition	—	—	—	—
Demolition	Worker	15.0	0.50	LDA,LDT1,LDT2
Demolition	Vendor	—	0.50	HHDT,MHDT
Demolition	Hauling	66.5	0.50	HHDT
Demolition	Onsite truck	—	—	HHDT
Site Preparation	—	—	—	—
Site Preparation	Worker	17.5	0.50	LDA,LDT1,LDT2

Site Preparation	Vendor	—	0.50	HHDT,MHDT
Site Preparation	Hauling	2.00	0.50	HHDT
Site Preparation	Onsite truck	—	—	HHDT
Grading	—	—	—	—
Grading	Worker	15.0	0.50	LDA,LDT1,LDT2
Grading	Vendor	—	0.50	HHDT,MHDT
Grading	Hauling	47.8	0.50	HHDT
Grading	Onsite truck	—	—	HHDT
Building Construction	—	—	—	—
Building Construction	Worker	165	0.50	LDA,LDT1,LDT2
Building Construction	Vendor	42.6	0.50	HHDT,MHDT
Building Construction	Hauling	2.00	0.50	HHDT
Building Construction	Onsite truck	—	—	HHDT
Paving	—	—	—	—
Paving	Worker	15.0	0.50	LDA,LDT1,LDT2
Paving	Vendor	14.0	0.50	HHDT,MHDT
Paving	Hauling	7.00	0.50	HHDT
Paving	Onsite truck	—	—	HHDT
Architectural Coating	—	—	—	—
Architectural Coating	Worker	33.1	0.50	LDA,LDT1,LDT2
Architectural Coating	Vendor	0.00	0.50	HHDT,MHDT
Architectural Coating	Hauling	2.00	0.50	HHDT
Architectural Coating	Onsite truck	—	—	HHDT
Utility Installation	—	—	—	—
Utility Installation	Worker	7.50	0.50	LDA,LDT1,LDT2
Utility Installation	Vendor	—	0.50	HHDT,MHDT
Utility Installation	Hauling	2.00	0.50	HHDT
Utility Installation	Onsite truck	—	—	HHDT

5.4. Vehicles

5.4.1. Construction Vehicle Control Strategies

Control Strategies Applied	PM10 Reduction	PM2.5 Reduction
Water unpaved roads twice daily	55%	55%
Limit vehicle speeds on unpaved roads to 25 mph	44%	44%

5.5. Architectural Coatings

Phase Name	Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
Architectural Coating	450,810	150,270	900	300	13,192

5.6. Dust Mitigation

5.6.1. Construction Earthmoving Activities

Phase Name	Material Imported (Cubic Yards)	Material Exported (Cubic Yards)	Acres Graded (acres)	Material Demolished (Ton of Debris)	Acres Paved (acres)
Demolition	0.00	0.00	0.00	10,629	—
Site Preparation	0.00	0.00	15.0	0.00	—
Grading	9,930	1,550	30.0	0.00	—
Paving	0.00	0.00	0.00	0.00	5.27

5.6.2. Construction Earthmoving Control Strategies

Control Strategies Applied	Frequency (per day)	PM10 Reduction	PM2.5 Reduction
Water Exposed Area	2	61%	61%
Water Demolished Area	2	36%	36%

5.7. Construction Paving

Land Use	Area Paved (acres)	% Asphalt
Single Family Housing	0.22	0%
Apartments Mid Rise	—	0%
Parking Lot	1.23	100%
Recreational Swimming Pool	0.00	0%
Other Non-Asphalt Surfaces	3.82	0%

5.8. Construction Electricity Consumption and Emissions Factors

kWh per Year and Emission Factor (lb/MWh)

Year	kWh per Year	CO2	CH4	N2O
2025	0.00	532	0.03	< 0.005
2026	92.6	532	0.03	< 0.005
2027	92.6	532	0.03	< 0.005
2028	172	532	0.03	< 0.005

5.9. Operational Mobile Sources

5.9.1. Unmitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	190	190	170	68,307	95.0	95.0	85.0	34,154
Apartments Mid Rise	810	608	510	269,470	405	304	255	134,735
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.9.2. Mitigated

Land Use Type	Trips/Weekday	Trips/Saturday	Trips/Sunday	Trips/Year	VMT/Weekday	VMT/Saturday	VMT/Sunday	VMT/Year
Single Family Housing	190	190	170	68,307	95.0	95.0	85.0	34,154
Apartments Mid Rise	810	608	510	269,470	405	304	255	134,735
Parking Lot	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Recreational Swimming Pool	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Other Non-Asphalt Surfaces	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

5.10. Operational Area Sources

5.10.1. Hearths

5.10.1.1. Unmitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	18
No Fireplaces	2
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Apartments Mid Rise	—

Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	113
No Fireplaces	13
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.1.2. Mitigated

Hearth Type	Unmitigated (number)
Single Family Housing	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	18
No Fireplaces	2
Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0
Apartments Mid Rise	—
Wood Fireplaces	0
Gas Fireplaces	0
Propane Fireplaces	0
Electric Fireplaces	113
No Fireplaces	13

Conventional Wood Stoves	0
Catalytic Wood Stoves	0
Non-Catalytic Wood Stoves	0
Pellet Wood Stoves	0

5.10.2. Architectural Coatings

Residential Interior Area Coated (sq ft)	Residential Exterior Area Coated (sq ft)	Non-Residential Interior Area Coated (sq ft)	Non-Residential Exterior Area Coated (sq ft)	Parking Area Coated (sq ft)
450809.55	150,270	900	300	13,192

5.10.3. Landscape Equipment

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.10.4. Landscape Equipment - Mitigated

Season	Unit	Value
Snow Days	day/yr	0.00
Summer Days	day/yr	250

5.11. Operational Energy Consumption

5.11.1. Unmitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Single Family Housing	232,323	532	0.0330	0.0040	0.00
Apartments Mid Rise	717,828	532	0.0330	0.0040	0.00
Parking Lot	46,935	532	0.0330	0.0040	0.00

Recreational Swimming Pool	0.00	532	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	532	0.0330	0.0040	0.00

5.11.2. Mitigated

Electricity (kWh/yr) and CO2 and CH4 and N2O and Natural Gas (kBTU/yr)

Land Use	Electricity (kWh/yr)	CO2	CH4	N2O	Natural Gas (kBTU/yr)
Single Family Housing	232,323	532	0.0330	0.0040	0.00
Apartments Mid Rise	717,828	532	0.0330	0.0040	0.00
Parking Lot	46,935	532	0.0330	0.0040	0.00
Recreational Swimming Pool	0.00	532	0.0330	0.0040	0.00
Other Non-Asphalt Surfaces	0.00	532	0.0330	0.0040	0.00

5.12. Operational Water and Wastewater Consumption

5.12.1. Unmitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	750,513	120,055
Apartments Mid Rise	4,578,129	896,459
Parking Lot	0.00	113,196
Recreational Swimming Pool	70,972	0.00
Other Non-Asphalt Surfaces	0.00	0.00

5.12.2. Mitigated

Land Use	Indoor Water (gal/year)	Outdoor Water (gal/year)
Single Family Housing	750,513	120,055
Apartments Mid Rise	4,578,129	896,459
Parking Lot	0.00	113,196
Recreational Swimming Pool	70,972	0.00

Other Non-Asphalt Surfaces	0.00	0.00

5.13. Operational Waste Generation

5.13.1. Unmitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	15.9	—
Apartments Mid Rise	90.3	—
Parking Lot	0.00	—
Recreational Swimming Pool	6.84	—
Other Non-Asphalt Surfaces	0.00	—

5.13.2. Mitigated

Land Use	Waste (ton/year)	Cogeneration (kWh/year)
Single Family Housing	15.9	—
Apartments Mid Rise	90.3	—
Parking Lot	0.00	—
Recreational Swimming Pool	6.84	—
Other Non-Asphalt Surfaces	0.00	—

5.14. Operational Refrigeration and Air Conditioning Equipment

5.14.1. Unmitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0

Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.14.2. Mitigated

Land Use Type	Equipment Type	Refrigerant	GWP	Quantity (kg)	Operations Leak Rate	Service Leak Rate	Times Serviced
Single Family Housing	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Single Family Housing	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Apartments Mid Rise	Average room A/C & Other residential A/C and heat pumps	R-410A	2,088	< 0.005	2.50	2.50	10.0
Apartments Mid Rise	Household refrigerators and/or freezers	R-134a	1,430	0.12	0.60	0.00	1.00
Recreational Swimming Pool	Other commercial A/C and heat pumps	R-410A	2,088	< 0.005	4.00	4.00	18.0
Recreational Swimming Pool	Stand-alone retail refrigerators and freezers	R-134a	1,430	0.04	1.00	0.00	1.00

5.15. Operational Off-Road Equipment

5.15.1. Unmitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.15.2. Mitigated

Equipment Type	Fuel Type	Engine Tier	Number per Day	Hours Per Day	Horsepower	Load Factor

5.16. Stationary Sources

5.16.1. Emergency Generators and Fire Pumps

Equipment Type	Fuel Type	Number per Day	Hours per Day	Hours per Year	Horsepower	Load Factor

5.16.2. Process Boilers

Equipment Type	Fuel Type	Number	Boiler Rating (MMBtu/hr)	Daily Heat Input (MMBtu/day)	Annual Heat Input (MMBtu/yr)

5.17. User Defined

Equipment Type	Fuel Type

5.18. Vegetation

5.18.1. Land Use Change

5.18.1.1. Unmitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Vegetation Land Use Type	Vegetation Soil Type	Initial Acres	Final Acres

5.18.1. Biomass Cover Type

5.18.1.1. Unmitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.1.2. Mitigated

Biomass Cover Type	Initial Acres	Final Acres

5.18.2. Sequestration

5.18.2.1. Unmitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

5.18.2.2. Mitigated

Tree Type	Number	Electricity Saved (kWh/year)	Natural Gas Saved (btu/year)

8. User Changes to Default Data

Screen	Justification
Land Use	The project would develop 20 single family houses and 4-story 122 apartment units, potentially with a pool. Land uses based on the project description and site plan; see the site plan and appendix for the footage details.

Construction: Construction Phases	The construction schedule is based on applicant-provided information and CalEEMod default values. Construction activities would consist of 3 consecutive phases: (1) demolition of the existing paved surfaces and structures, clearing, and site preparation (2 months); (2) site development including grading, utility installation, and roadway construction (7 months); (3) vertical construction and landscaping installation (18 months).
Construction: Off-Road Equipment	Estimated equipment added to the Utility Installation phase. Adjusted activity levels as per applicant for lengthened demolition phase. Adjusted equipment usage for off-road eqpt. to retain overall CalEEMod default HP hours (schedule approximately doubled, so daily equipment hours were halved) Changed Air Compressors to electric-powered.
Construction: Trips and VMT	Localized Analysis – Construction trip lengths were adjusted to 0.5-mile; all other assumptions and adjustments match the regional run. 2 hauling trips are added to Site Prep, Grading, Building Construction, Utility, and Coating to provide a conservative estimate of trips and emissions. 7 haul trips per day are added to Paving based on pavement calculation of 1.23 acre of roads/parking (rounded up compared to calculation).
Operations: Vehicle Data	Localized Analysis – Operational trip length adjusted to 0.5-mile to account for on-site emissions and from mobile sources. Trip rates to match traffic study trip rates for each land use Consistent with Focused Traffic Assessment prepared by Urban Crossroads (dated February 18, 2025) Unit counts 20 Single family detached and 122 Multifamily (115 Multifamily Apartments, 7 Affordable)
Operations: Hearths	No wood burning devices (SCAQMD Rule 445 - Wood Burning Devices) No woodburning fireplaces or gas fireplaces (changed to electric to provide a conservative estimate of emissions) No wood stoves
Operations: Energy Use	Natural gas was zeroed out to reflect all-electric development (i.e. no natural gas). Electricity usage increased to account for additional usage (see supporting information for calculation).

Costa Mesa Bear St Residential
Asphalt Paving Construction Trips Calculation

Paved area (sf)	53,579
Asphalt volume (cube feet) assume 6-inch pavement	26,789
Asphalt volume (cy)	992
Capacity per vendor truck (CY per truck)	16
One-Way Trips (assumes empty trucks arriving and full trucks leaving)	124.03
Days in paving phase	20
One-way Haul Trips Per Day	6.20
One-way Trips to Add to Paving Phase	**6.2**
Rounded Up	**7**

Costa Mesa Bear St Residential
Demolition Debris Calculations

Description	Area [1] (square feet)	Height for one floor/depth (ft)	Volume (ft3)	Demolition Waste Fraction	Demolition Volume[2] (ft^3)	Demolition Waste Density (tons/cy)	Demolition Weight (tons)
Buildings	66,652	10	666,520	0.25	166,630	0.50	3,086
Pavement	201,155	0.5	100,578	1	100,578	2.025	7,543
Totals	**267,807**	-	-		267,208		**10,629**

Notes:
cy = cubic yard
cf = cubic feet
sf = square feet

Building demolition estimates are based on methods used in CalEEMod (CAPCOA, 2022), based on 1 story building , assume 10 ft per floor where 1 sf = 10 cf of building volume, and 1 cf of building volume = 0.25 cf of waste. This approach can be used to estimate demolition for multiple story buildings. It also assumes 1 cubic yard building waste = 0.5 ton weight.

In this case, the existing buildings include the 65,652-square-foot former Trinity Broadcasting Network (TBN) building and the associated existing 1,000-square-foot maintenance building. The 65,652-square-foot building is multiple stories; however, the formula used here still applies because the 65,652-square-foot value represents the total building square footage for the TBN building rather than only the building footprint or first story value.

1 cubic yard of asphalt = 2.025 tons or 4050 lbs.

[1] Source: FCS. 2024. Building and Pavement Demolition Quantities obtained from Applicant.

[2] Source: California Air Pollution Control Officers Association (CAPCOA). 2022. Appendix C Emission Calculation Details for CalEEMod. April.

Costa Mesa Bear St Residential
All-Electric Measure Electricity Adjustment to Replace Natural Gas Usage

CEC Electricity Demand Forecast Zone (EDFZ) **7**

Building Type / LandUse	Amount	Units	Electric End Use per Unit (DU or KSF)				Additional Energy for Replaced End Uses		CalEEMod Default Electricity Usage kWhr/yr	All-Electric Project Revised Electricity kWhr/yr
			Water Heater	Primary Heat	Cooking	Dryer	(per Unit) kWhr/yr	Total kWhr/yr		
Apartments Mid Rise	122	Dwelling Units	1164	451	243	360	2,218	270,596	447,232	717,828
Single Family Housing	20	Dwelling Units	2810	972	411	528	4,721	94,420	137,903	232,323

Calculational Method is from Measure E-15 of the CAPCOA Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity
Emission Factors are From Data Tables E=15.2 from Appendix C of the Handbook

References:

California Air Pollution Control Officers Association (CAPCOA). 2021. Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity. Website: Available at: https://www.airquality.org/ClimateChange/Documents/Final%20Handbook_AB434.pdf.

California Air Pollution Control Officers Association (CAPCOA). 2021. Appendix C : Emission Factors and Data Tables from Handbook for Analyzing Greenhouse Gas Emission Reductions, Assessing Climate Vulnerabilities, and Advancing Health and Equity. Website: https://www.caleemod.com/documents/handbook/appendices/appendix_c.pdf

HEALTH RISK ASSESSMENT CALCULATIONS

Bear Street Residential Project

The Health Risk Assessment (HRA) follows South Coast Air Quality Management District (SCAQMD) Risk Assessment Guidelines and is based on foundational Office of Environmental Health Hazard Assessment (OEHHA) Guidance.[1] This risk assessment intake methodology addresses children's greater sensitivity and health impacts from early exposure to carcinogenic compounds. The chemical intake or dose describing the frequency and duration of the exposure is estimated using receptor's breathing rates, exposure duration, and exposure frequency. The calculations include the use of age-specific weighting factors, breathing rates, fraction of time at home, and reduced exposure durations.

The HRA was conducted utilizing the California Air Resources Board's (ARB's) Hot Spots Analysis and Reporting Program Version 2 (HARP2) to automatically calculate risks for the projects using OEHHA promulgated cancer potency and reference exposure levels. The approach used in HARP is consistent with SCAQMD's risk assessment guidance methodology under permitting rules 1401 and 212.[2]

These factors are described below, followed by a summary of the HARP2 HRA inputs. As the closest receptors to the project site are residential receptors, the risk assessment considered all receptors as residential receptors. The use of residential receptors provides a conservative estimate of risks, as the residential receptors include all age groups and have the longest exposure of all receptor groups.

AERMOD Inputs — The AMS/EPA Regulatory Model (AERMOD) was utilized to predict the ground level concentrations resulting from the emissions of Diesel Particulate Matter (DPM) (represented as PM_{10} exhaust) associated with construction activities. The modeling included both emissions generated at the project site and those generated along the anticipated haul roads within approximately 1,000 ft of the site boundary. Diesel exhaust from material movement were characterized by an area source with a height of 5 meters to account for the height of the construction exhaust from the off-road equipment. Roadway emissions were modeled as line-volume sources or adjacent volume sources. The modeling utilized Urban dispersion coefficients and SCAQMD-provided meteorological data from the John Wayne Airport, Orange County meteorological station (KSNA). Emissions were modeled only during the hours of 8 AM – 5 PM (with a one-hour break for lunch) Monday to Friday. DPM Emissions were calculated using CalEEMod using emissions from PM_{10} exhaust from diesel vehicles and off-road construction equipment exhaust.

Age Sensitivity Factors — Studies have shown that young animals are more sensitive than adult animals to exposure to many carcinogens.[3] Therefore, OEHHA developed age sensitivity factors (ASFs) to account for the increased sensitivity to carcinogens during early-in-life exposures. Accordingly, the cancer risk methodology applies different ASFs by age groups. The ASFs utilized a 10-fold multiplier in sensitivity for

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[1] Office of Environmental Health Hazard Assessment (OEHHA). 2015. The Air Toxics Hot Spots Program Guidance Manual for Preparation of Health Risk Assessments. Website: https://oehha.ca.gov/media/downloads/crnr/2015guidancemanual.pdf. Accessed December 24, 2024.

[2] South Coast Air Quality Management District (SCAQMD). 2017. Risk Assessment Procedures for Rules 1401, 1401.1 and 212 Version 8.1. September. Website: https://www.aqmd.gov/docs/default-source/permitting/rule-1401-risk-assessment/riskassessproc-v8-1.pdf. Accessed December 24, 2024.

[3] Office of Environmental Health Hazard Assessment (OEHHA). 2009. Technical Support Document for Cancer Potency Factors 2009. June. Website: http://www.oehha.ca.gov/air/hot_spots/tsd052909.html. Accessed December 24, 2024.

the third trimester and infants less than age 2, a 3-fold increase in sensitivity for children ages 2 to 16 years old, and a sensitivity factor of 1 for ages 16 and older.

Daily breathing rates (age-specific daily air intake) — Breathing rates are determined for specific age groups (i.e., third trimester, 0-2, 2-16, and 16-30 years). The analysis follows ARB's Risk Management Policy (RMP) that includes recommendations for inhalation exposures. For residential exposures, SCAQMD procedures adopt ARB's RMP policy which recommends using the high-end daily breathing rates (DBR) (e.g., 95th percentile) for children from the third trimester through age 2, and 80th percentile DBR for all other ages.[4]

Time at home – The time at home applies only applies to residential receptors. Residents are assumed to be at home 350 days per year, which assumes individuals are away for approximately 2 weeks of vacation. The fraction of time at home refers to the estimated amount of time residents stay at home during these 350 days. The HRA assumes 100 percent time at home for receptors under age 16. Since the duration of construction is only 2.77 years, all exposure is for children less than 16 years of age.

Exposure Duration — OEHHA 2015 guidelines specify a 30-year residential exposure duration for estimating cancer risk at the maximum exposed individual resident (MEIR). This is based on studies showing that 30 years is a reasonable estimate of the 90th to 95th percentile of residency duration in the population. A 25-year standard exposure duration is the default to estimate cancer risk for off-site workers. However, risk assessors can use other exposure durations with proper justification and documentation. For example, short-term projects (e.g., construction projects) can now be evaluated for as short a duration as 6 months. Because there are no significant sources of TAC emissions during operations, the exposure assessment is limited to the duration of the proposed project construction or 2.77 years, starting with exposure at -0.25 years old.

Residential Cancer Risk — Cancer risk for individual resident receptors exposed to DPM were calculated utilizing HARP2. Consistent with OEHHA guidance, the start of residential exposure was assumed to occur in the third trimester (-0.25 years) to accommodate the increased susceptibility of exposures in early life. Inhalation is the only exposure pathway included in the OEHHA risk assessment guidelines for Diesel Exhaust. The exposure assessment was modeled for Inhalation pathway only, using Risk Management Program.

Exposure Duration Bin Distribution:

3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0.52
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

[4] California Air Resources Board (ARB) and California Air Pollution Control Officers Association. 2015. Risk Management Guidance for Stationary Sources of Air Toxics. July 23. Website: https://ww2.arb.ca.gov/sites/default/files/classic/toxics/rma/rmgssat.pdf. Accessed December 24, 2024.

All receptors in the analysis were modeled as residential receptors, presenting a conservative estimate of associated health risk metrics.

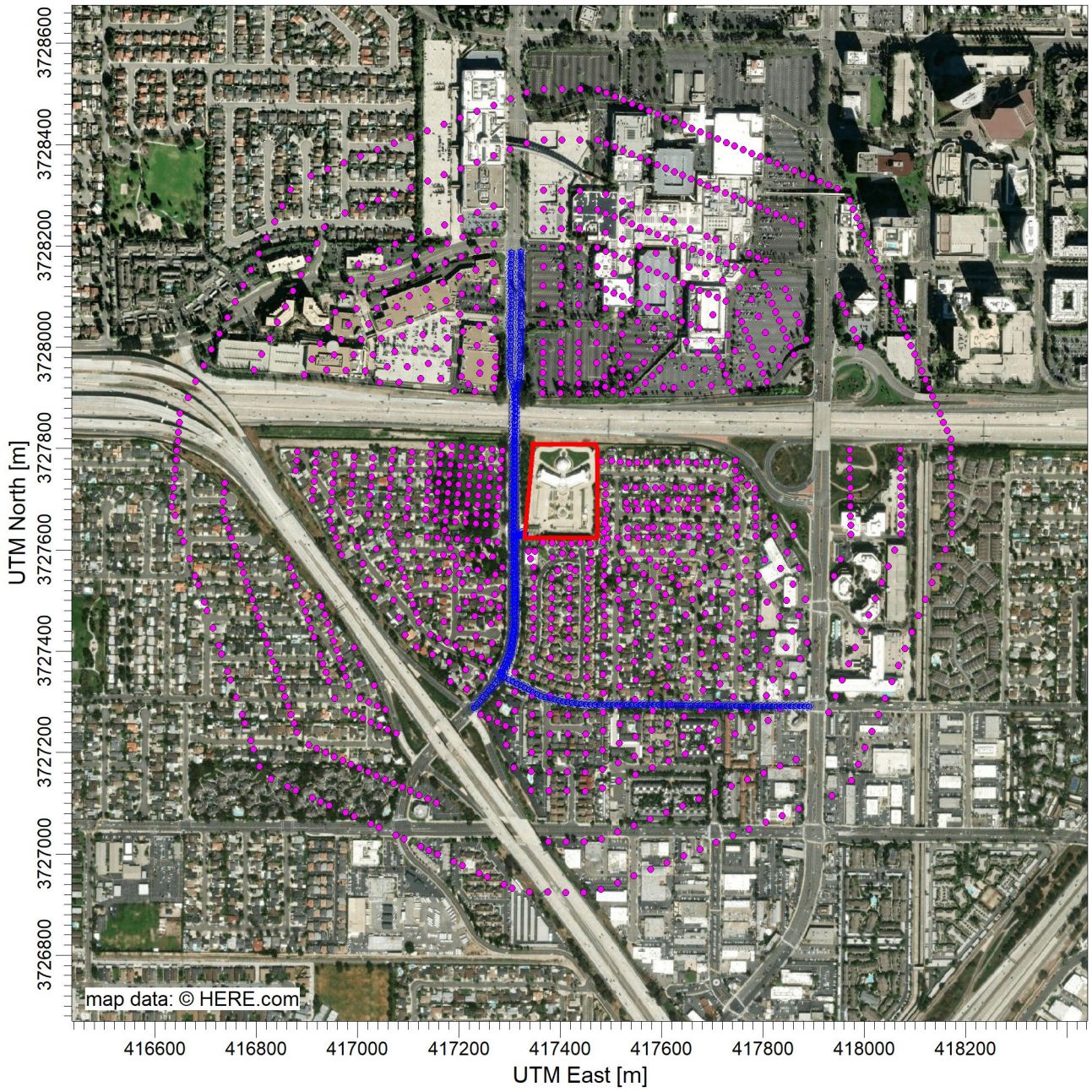
Noncancer Chronic Health Risks

Chronic RELs are used to assess residential health impacts characterized by the chronic hazard index, affecting the respiratory system for DPM.

Potential chronic noncancer health impacts use the long-term annual average concentration regardless of the emitting facility's schedule.

PROJECT TITLE:

Graphical Representation of AERMOD Inputs



COMMENTS:	SOURCES: **5**	COMPANY NAME:	
	RECEPTORS: **1223**	MODELER:	
		SCALE: 1:12,612 0 0.4 km	
		DATE: **12/2/2024**	PROJECT NO.:

AERMOD View - Lakes Environmental Software

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PROJECT TITLE:

Graphical Representation of AERMOD Inputs (Zoomed in Near the Project Site)



COMMENTS:	SOURCES: **5**	COMPANY NAME:	
	RECEPTORS: **1223**	MODELER:	
		SCALE: 1:4,757 0 0.1 km	
		DATE: **12/2/2024**	PROJECT NO.:

AERMOD View - Lakes Environmental Software

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Maximally Exposed Individual Receptor (MEIR) during Project Construction

	X	Y
MEIR UTM	417480.88	3727774.76

Latitude, Longitude: 33°41'12.1"N 117°53'25.1"W

Receptor # 1

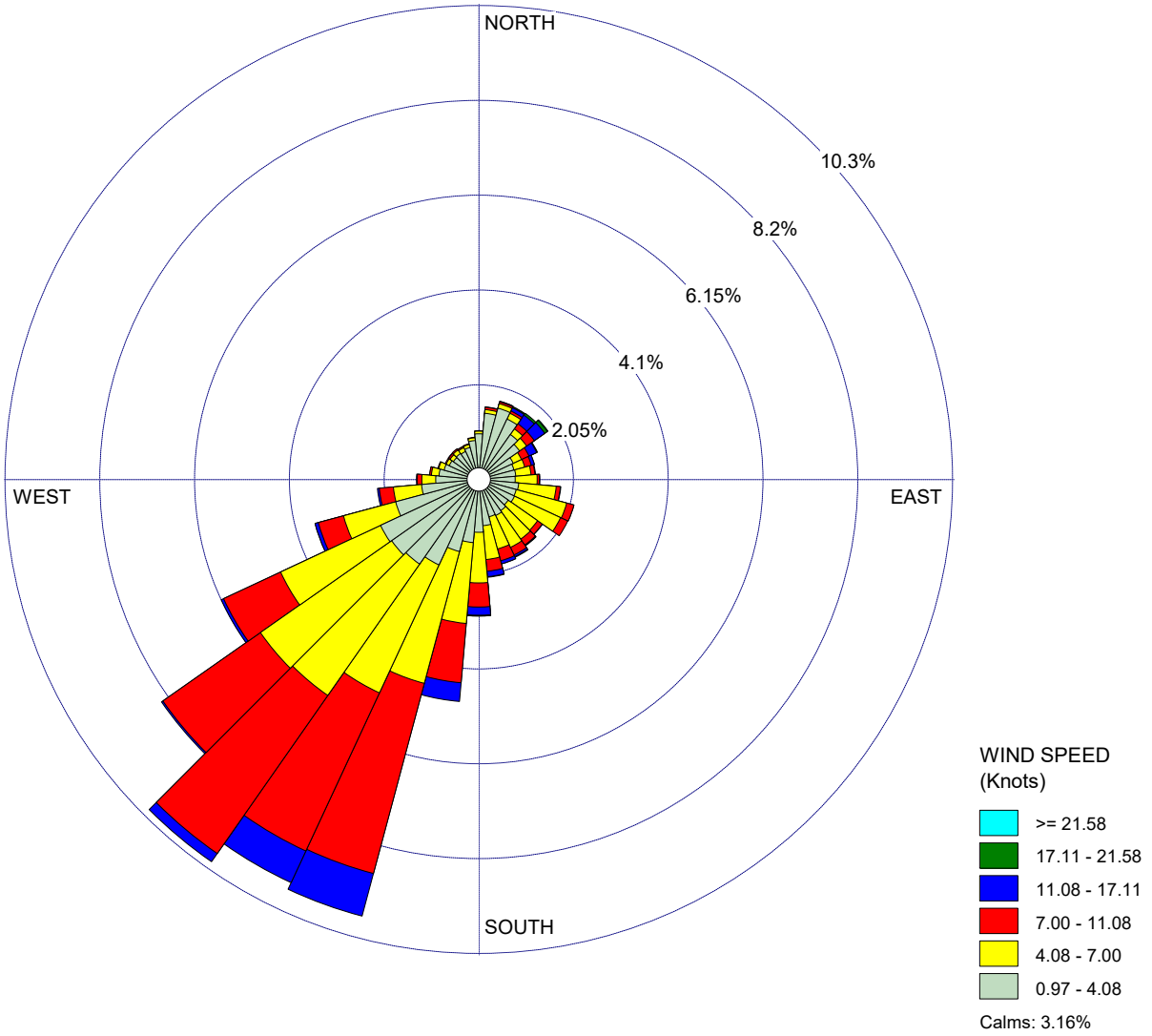


WIND ROSE PLOT:

Wind Rose – Station #93184 – Blowing From

DISPLAY:

Wind Speed
Direction (blowing from)



COMMENTS:	DATA PERIOD:	COMPANY NAME:	
	Start Date: 1/1/2019 - 00:00 **End Date: 12/31/2023 - 23:59**	MODELER:	
	CALM WINDS: **3.16%**	TOTAL COUNT: **43471 hrs.**	
	AVG. WIND SPEED: **5.15 Knots**	DATE: **12/2/2024**	PROJECT NO.:

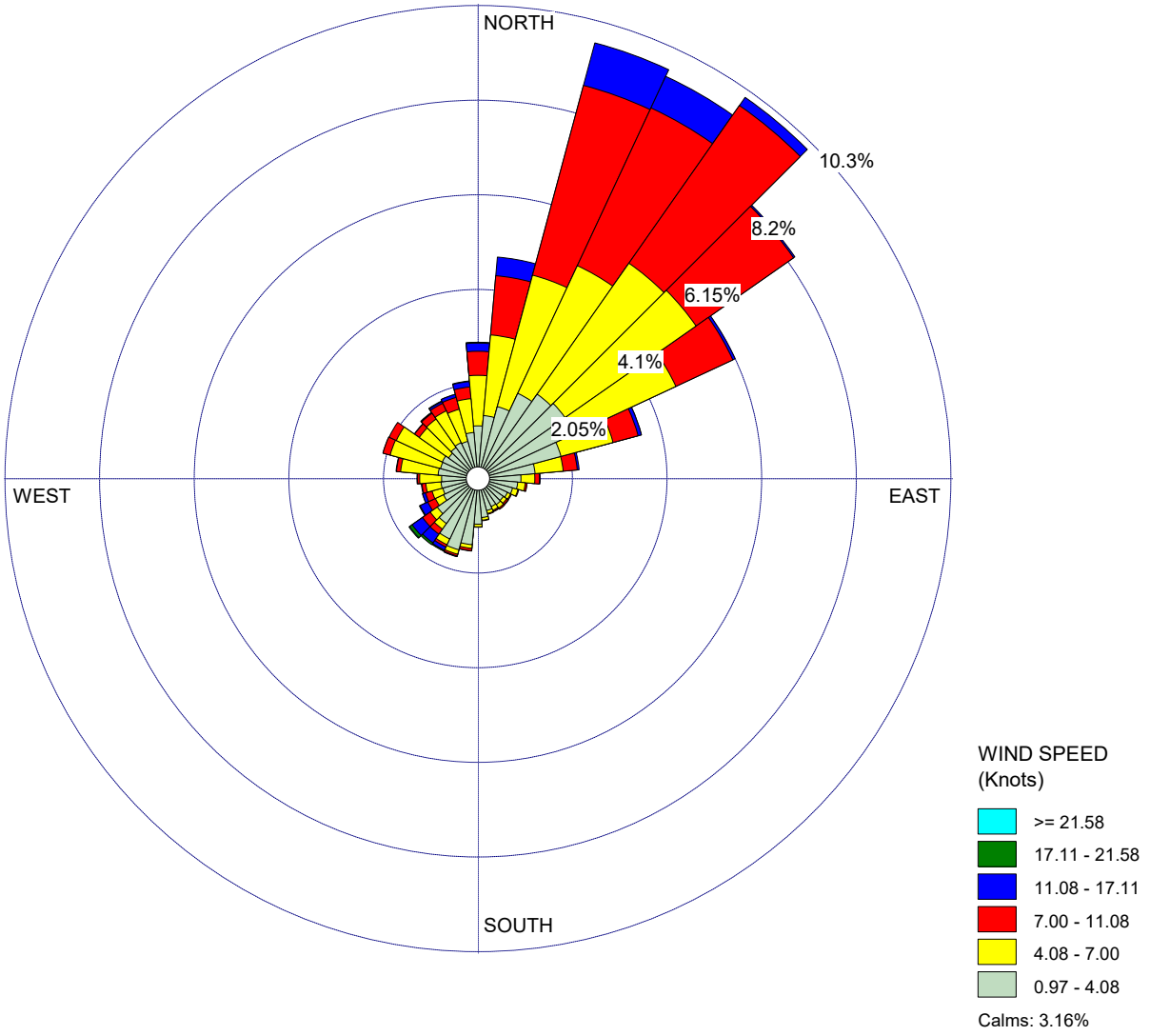
WRPLOT View - Lakes Environmental Software

WIND ROSE PLOT:

Wind Rose – Station #93184 – Blowing To

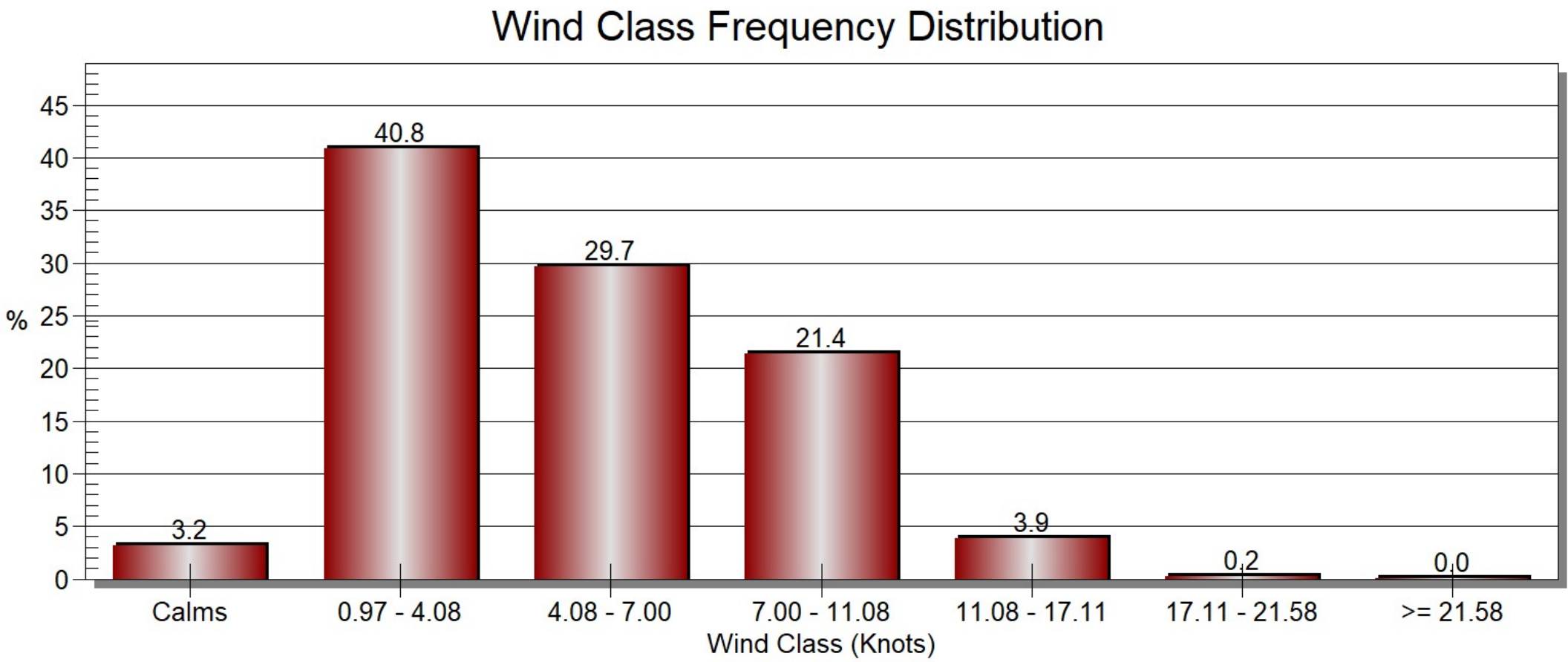
DISPLAY:

Wind Speed
Flow Vector (blowing to)



COMMENTS:	DATA PERIOD: **Start Date: 1/1/2019 - 00:00** **End Date: 12/31/2023 - 23:59**	COMPANY NAME:	
		MODELER:	
	CALM WINDS: **3.16%**	TOTAL COUNT: **43471 hrs.**	
	AVG. WIND SPEED: **5.15 Knots**	DATE: **12/2/2024**	PROJECT NO.:

WRPLOT View - Lakes Environmental Software


Wind Class Frequency Distribution
45
40
35
30
25
20
15
10
5
0
%
40.8
29.7
21.4
3.2
3.9
0.2
0.0
Calms
0.97 - 4.08
4.08 - 7.00
7.00 - 11.08
11.08 - 17.11
17.11 - 21.58
>= 21.58
Wind Class (Knots)

Costa Mesa Bear Street Residential Project Construction (Tier 4 Interim Scenario)—DPM

Estimation of Annual Onsite Construction Emissions (Project Site)—DPM (Exhaust PM10)

Start of Construction	12/8/2025	
End of Construction	9/15/2028	**Total**
Number of Days	1,012	1012
Number of Hours	24,288	24,288

Size of the construction area source (entire site): **24,778.1** **sq-meters**

	On-site Construction Activity	Tier 4 On-site DPM (pounds)
2025	Demolition	1.843
2026	Demolition	2.133
2026	Site Preparation	0.996
2026	Grading	2.305
2026	Paving	1.951
2026	Utility Installation	8.189
2026	Building Construction	1.523
2027	Building Construction	5.148
2028	Building Construction	2.496
2028	Architectural Coating	0.000

Total On-site DPM (Tier 4 Scenario) 26.59 pounds

Factor in AERMOD to Account for 5 days per week/8 hours per day: 4.2
1 g/s used as the unit emission in AERMOD - converted to g/s/m2 in AERMOD

Average Emission (Emissions Summary for HARP2 Inputs)

Pounds/Construction Period	26.59
Pounds/Day	0.03
Pounds/Hour	0.0011
Pounds/Year	9.59
Years	2.77

Costa Mesa Bear Street Residential Project Construction (Tier 4 Interim Scenario)—DPM

Estimation of Annual Offsite Construction DPM (Exhaust PM10) Emissions - Project Construction (no change compared to Level 3 Filters scenario)

Start of Construction		12/8/2025						
End of Construction		9/15/2028						**Total**
Number of Days		1,012						1012
Number of Hours		24,288						24,288
	2025+2026	2026	2026	2026	2026	2026-2028	2028	
Construction Trips	Demolition	Site Preparation	Grading	Paving	Utility Installation	Building Construction	Architectural Coating	**Total (Pounds)**
Total (pounds)	2.26024	0.01764	1.26545	0.18642	0.17813	5.29485	0.10582	9.30856

Trips Over the Entire Duration of Construction

	Haul Truck Trips	Vendor Truck	Worker	Total
Demolition	2,658.00	0	600.00	3,258.00
Site Preparation	20.00	0	175.00	195.00
Grading	1,435.00	0	450.00	1,885.00
Paving	140.00	280	300.00	720.00
Utility Installation	202.00	0	757.50	959.50
Building Construction	928.00	19780.9747	76,739.01	97,447.99
Architectural Coating	120.00	0	2,019.19	2,139.19
Total	**5,503.00**	**20,060.97**	**81,040.70**	**106,604.68**

	Haul Truck (pounds)	Vendor Truck (pounds)	Worker (pounds)	Total (pounds)
Total DPM	4.805E-01	1.752E+00	7.076E+00	9.309E+00

Average Emissions				
Grams	2.182E+02	7.953E+02	3.213E+03	
Grams/sec	2.495E-06	9.095E-06	3.674E-05	
Default Distance (miles)	20	10.2	18.5	Vehicle Travel Distance Assumed in CalEEMod
Vehicle Travel Distances in the Construction HRA (miles)				
Off-site Road Segment 1	0.36	0.36	0.36	miles
Off-site Road Segment 2	0.24	0.24	0.24	miles
Off-site Road Segment 3	0.37	0.37	0.37	miles
Off-site Road Segment 4	0.58	0.58	0.58	miles
Trip Distribution (percent)				
Off-site Road Segment 1	16.7%	16.7%	16.7%	Route 1 – From North
Off-site Road Segment 2	33.3%	33.3%	33.3%	Route 2 – Bear Street to 405
Off-site Road Segment 3	16.7%	16.7%	16.7%	Route 3 – Towards North
Off-site Road Segment 4	33.3%	33.3%	33.3%	Route 4 – Bear Street to Paularino Ave

Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**	
Off-site Road Segment 1	7.5335E-09	5.3849E-08	1.1994E-07	1.8132E-07	Off-site Route 1 - From North towards the Project Site
Off-site Road Segment 2	1.0020E-08	7.1621E-08	1.5952E-07	2.4116E-07	Off-site Route 2 - North from the Project Site
Off-site Road Segment 3	7.5943E-09	5.4284E-08	1.2091E-07	1.828E-07	Off-site Route 3 - From South towards the Project Site
Off-site Road Segment 4	2.3975E-08	1.7138E-07	3.8171E-07	5.771E-07	Off-site Route 4 - South from the Project Site

Average Emission (Emissions Summary for HARP2 Inputs)

	Grams/sec	Pounds/Hour	Pounds/Day	Pounds/year	Tons/year	Max Pounds/Hour
Off-site Road Segment 1	1.8132E-07	1.4391E-06	3.4538E-05	3.4953E-02	1.7476E-05	4.3173E-06
Off-site Road Segment 2	2.4116E-07	1.9140E-06	4.5936E-05	4.6488E-02	2.3244E-05	5.7420E-06
Off-site Road Segment 3	1.8278E-07	1.4507E-06	3.4817E-05	3.5234E-02	1.7617E-05	4.3521E-06
Off-site Road Segment 4	5.7706E-07	4.5799E-06	1.0992E-04	1.1124E-01	5.5618E-05	1.3740E-05

Health Risk Summary - Construction (Summary of HARP2 Results)

Costa Mesa Bear Street Residential Project (Construction Tier 4 Scenario—DPM)

	RISK_SUM	Cancer Risk/million	MAXHI NonCancer Chronic	MAXHI Acute
Maximum Risk	3.9394E-06	3.939	2.1642E-03	0.00E+00

Maximally Exposed Individual Receptor

	X	Y
MEIR UTM	417480.88	3727774.76

Latitude, Longitude: 33°41'12.1"N 117°53'25.1"W
Receptor # 1

*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	-0.25 to 2.52 Year SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
1	ALL	417480.88	3727774.76	1.08209E-02	3.93940E-06	2.77YrCancerRMP_Inh	2.16420E-03	0.000E+00
2	ALL	417489.00	3727729.31	8.35254E-03	3.04080E-06	2.77YrCancerRMP_Inh	1.67050E-03	0.000E+00
3	ALL	417489.26	3727710.76	7.66959E-03	2.79220E-06	2.77YrCancerRMP_Inh	1.53390E-03	0.000E+00
4	ALL	417488.04	3727691.72	7.05846E-03	2.56970E-06	2.77YrCancerRMP_Inh	1.41170E-03	0.000E+00
5	ALL	417492.47	3727679.32	5.55732E-03	2.02320E-06	2.77YrCancerRMP_Inh	1.11150E-03	0.000E+00
6	ALL	417488.64	3727660.43	4.92650E-03	1.79350E-06	2.77YrCancerRMP_Inh	9.85300E-04	0.000E+00
7	ALL	417492.97	3727642.22	3.00943E-03	1.09560E-06	2.77YrCancerRMP_Inh	6.01890E-04	0.000E+00
8	ALL	417493.23	3727623.67	1.71249E-03	6.23440E-07	2.77YrCancerRMP_Inh	3.42500E-04	0.000E+00
9	ALL	417501.61	3727775.53	6.77072E-03	2.46490E-06	2.77YrCancerRMP_Inh	1.35410E-03	0.000E+00
10	ALL	417513.23	3727623.95	1.17197E-03	4.26660E-07	2.77YrCancerRMP_Inh	2.34390E-04	0.000E+00
11	ALL	417535.86	3727771.13	3.32065E-03	1.20890E-06	2.77YrCancerRMP_Inh	6.64130E-04	0.000E+00
12	ALL	417528.76	3727723.35	3.10592E-03	1.13070E-06	2.77YrCancerRMP_Inh	6.21180E-04	0.000E+00
13	ALL	417530.00	3727693.75	2.42346E-03	8.82280E-07	2.77YrCancerRMP_Inh	4.84690E-04	0.000E+00
14	ALL	417532.46	3727679.87	2.00324E-03	7.29290E-07	2.77YrCancerRMP_Inh	4.00650E-04	0.000E+00
15	ALL	417532.97	3727642.77	1.18242E-03	4.30470E-07	2.77YrCancerRMP_Inh	2.36480E-04	0.000E+00
16	ALL	417533.22	3727624.22	8.51261E-04	3.09910E-07	2.77YrCancerRMP_Inh	1.70250E-04	0.000E+00
17	ALL	417551.19	3727772.88	2.56732E-03	9.34650E-07	2.77YrCancerRMP_Inh	5.13460E-04	0.000E+00
18	ALL	417548.76	3727723.62	2.12850E-03	7.74890E-07	2.77YrCancerRMP_Inh	4.25700E-04	0.000E+00
19	ALL	417549.75	3727693.53	1.65624E-03	6.02970E-07	2.77YrCancerRMP_Inh	3.31250E-04	0.000E+00
20	ALL	417552.46	3727680.14	1.38311E-03	5.03530E-07	2.77YrCancerRMP_Inh	2.76620E-04	0.000E+00
21	ALL	417552.97	3727643.04	8.55015E-04	3.11270E-07	2.77YrCancerRMP_Inh	1.71000E-04	0.000E+00
22	ALL	417553.22	3727624.50	6.49918E-04	2.36610E-07	2.77YrCancerRMP_Inh	1.29980E-04	0.000E+00
23	ALL	417571.19	3727773.15	1.89275E-03	6.89070E-07	2.77YrCancerRMP_Inh	3.78550E-04	0.000E+00
24	ALL	417568.76	3727723.90	1.53701E-03	5.59560E-07	2.77YrCancerRMP_Inh	3.07400E-04	0.000E+00
25	ALL	417570.48	3727692.08	1.16450E-03	4.23940E-07	2.77YrCancerRMP_Inh	2.32900E-04	0.000E+00
26	ALL	417572.46	3727680.41	1.00874E-03	3.67240E-07	2.77YrCancerRMP_Inh	2.01750E-04	0.000E+00
27	ALL	417572.97	3727643.32	6.50340E-04	2.36760E-07	2.77YrCancerRMP_Inh	1.30070E-04	0.000E+00
28	ALL	417573.22	3727624.77	5.13509E-04	1.86950E-07	2.77YrCancerRMP_Inh	1.02700E-04	0.000E+00
29	ALL	417521.63	3727908.01	2.48407E-03	9.04340E-07	2.77YrCancerRMP_Inh	4.96810E-04	0.000E+00
30	ALL	417504.86	3727914.96	2.58326E-03	9.40450E-07	2.77YrCancerRMP_Inh	5.16650E-04	0.000E+00
31	ALL	417488.08	3727921.92	2.54596E-03	9.26870E-07	2.77YrCancerRMP_Inh	5.09190E-04	0.000E+00
32	ALL	417591.19	3727773.43	1.44111E-03	5.24650E-07	2.77YrCancerRMP_Inh	2.88220E-04	0.000E+00
33	ALL	417588.02	3727722.21	1.14908E-03	4.18330E-07	2.77YrCancerRMP_Inh	2.29820E-04	0.000E+00
34	ALL	417583.60	3727691.37	9.55242E-04	3.47760E-07	2.77YrCancerRMP_Inh	1.91050E-04	0.000E+00
35	ALL	417592.46	3727680.69	7.65418E-04	2.78660E-07	2.77YrCancerRMP_Inh	1.53080E-04	0.000E+00
36	ALL	417583.16	3727644.65	5.81849E-04	2.11830E-07	2.77YrCancerRMP_Inh	1.16370E-04	0.000E+00
37	ALL	417593.22	3727625.04	4.16148E-04	1.51500E-07	2.77YrCancerRMP_Inh	8.32300E-05	0.000E+00
38	ALL	417552.95	3727915.06	1.88257E-03	6.85360E-07	2.77YrCancerRMP_Inh	3.76510E-04	0.000E+00
39	ALL	417520.34	3727928.59	2.15280E-03	7.83740E-07	2.77YrCancerRMP_Inh	4.30560E-04	0.000E+00
40	ALL	417487.72	3727942.11	2.09892E-03	7.64130E-07	2.77YrCancerRMP_Inh	4.19780E-04	0.000E+00
41	ALL	417611.18	3727773.70	1.12529E-03	4.09670E-07	2.77YrCancerRMP_Inh	2.25060E-04	0.000E+00
42	ALL	417601.87	3727722.73	9.59345E-04	3.49260E-07	2.77YrCancerRMP_Inh	1.91870E-04	0.000E+00
43	ALL	417612.20	3727699.51	7.06566E-04	2.57230E-07	2.77YrCancerRMP_Inh	1.41310E-04	0.000E+00
44	ALL	417612.45	3727680.96	5.98723E-04	2.17970E-07	2.77YrCancerRMP_Inh	1.19740E-04	0.000E+00
45	ALL	417612.96	3727643.87	4.14097E-04	1.50750E-07	2.77YrCancerRMP_Inh	8.28190E-05	0.000E+00
46	ALL	417613.22	3727625.32	3.44025E-04	1.25240E-07	2.77YrCancerRMP_Inh	6.88050E-05	0.000E+00
47	ALL	417567.37	3727929.12	1.57834E-03	5.74610E-07	2.77YrCancerRMP_Inh	3.15670E-04	0.000E+00
48	ALL	417535.42	3727942.38	1.81173E-03	6.59570E-07	2.77YrCancerRMP_Inh	3.62350E-04	0.000E+00
49	ALL	417503.47	3727955.63	1.83656E-03	6.68610E-07	2.77YrCancerRMP_Inh	3.67310E-04	0.000E+00
50	ALL	417631.18	3727773.97	8.96265E-04	3.26290E-07	2.77YrCancerRMP_Inh	1.79250E-04	0.000E+00
51	ALL	417627.03	3727722.26	7.04697E-04	2.56550E-07	2.77YrCancerRMP_Inh	1.40940E-04	0.000E+00
52	ALL	417632.20	3727699.78	5.61871E-04	2.04550E-07	2.77YrCancerRMP_Inh	1.12370E-04	0.000E+00
53	ALL	417632.45	3727681.23	4.79813E-04	1.74680E-07	2.77YrCancerRMP_Inh	9.59630E-05	0.000E+00
54	ALL	417620.59	3727642.48	3.78477E-04	1.37790E-07	2.77YrCancerRMP_Inh	7.56950E-05	0.000E+00
55	ALL	417633.21	3727625.59	2.89012E-04	1.05220E-07	2.77YrCancerRMP_Inh	5.78020E-05	0.000E+00
56	ALL	417604.08	3727921.03	1.22054E-03	4.44340E-07	2.77YrCancerRMP_Inh	2.44110E-04	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	-0.25 to 2.52 Year SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
57	ALL	417581.70	3727943.22	1.34202E-03	4.88570E-07	2.77YrCancerRMP_Inh	2.68400E-04	0.000E+00
58	ALL	417550.25	3727956.27	1.54046E-03	5.60810E-07	2.77YrCancerRMP_Inh	3.08090E-04	0.000E+00
59	ALL	417518.80	3727969.31	1.60330E-03	5.83690E-07	2.77YrCancerRMP_Inh	3.20660E-04	0.000E+00
60	ALL	417487.35	3727982.36	1.46343E-03	5.32770E-07	2.77YrCancerRMP_Inh	2.92690E-04	0.000E+00
61	ALL	417651.18	3727774.25	7.25580E-04	2.64150E-07	2.77YrCancerRMP_Inh	1.45120E-04	0.000E+00
62	ALL	417642.61	3727722.54	5.93819E-04	2.16180E-07	2.77YrCancerRMP_Inh	1.18760E-04	0.000E+00
63	ALL	417652.20	3727700.06	4.55792E-04	1.65930E-07	2.77YrCancerRMP_Inh	9.11580E-05	0.000E+00
64	ALL	417652.45	3727681.51	3.92331E-04	1.42830E-07	2.77YrCancerRMP_Inh	7.84660E-05	0.000E+00
65	ALL	417652.96	3727644.41	2.86565E-04	1.04330E-07	2.77YrCancerRMP_Inh	5.73130E-05	0.000E+00
66	ALL	417653.21	3727625.86	2.46074E-04	8.95850E-08	2.77YrCancerRMP_Inh	4.92150E-05	0.000E+00
67	ALL	417624.65	3727919.95	1.04221E-03	3.79420E-07	2.77YrCancerRMP_Inh	2.08440E-04	0.000E+00
68	ALL	417595.98	3727957.34	1.15459E-03	4.20340E-07	2.77YrCancerRMP_Inh	2.30920E-04	0.000E+00
69	ALL	417564.91	3727970.23	1.32266E-03	4.81520E-07	2.77YrCancerRMP_Inh	2.64530E-04	0.000E+00
70	ALL	417533.85	3727983.11	1.40133E-03	5.10160E-07	2.77YrCancerRMP_Inh	2.80270E-04	0.000E+00
71	ALL	417502.79	3727995.99	1.32880E-03	4.83760E-07	2.77YrCancerRMP_Inh	2.65760E-04	0.000E+00
72	ALL	417667.99	3727771.82	6.06599E-04	2.20840E-07	2.77YrCancerRMP_Inh	1.21320E-04	0.000E+00
73	ALL	417659.89	3727723.18	4.98236E-04	1.81390E-07	2.77YrCancerRMP_Inh	9.96470E-05	0.000E+00
74	ALL	417678.58	3727723.06	4.15110E-04	1.51120E-07	2.77YrCancerRMP_Inh	8.30220E-05	0.000E+00
75	ALL	417672.20	3727700.33	3.76009E-04	1.36890E-07	2.77YrCancerRMP_Inh	7.52020E-05	0.000E+00
76	ALL	417672.45	3727681.78	3.26203E-04	1.18760E-07	2.77YrCancerRMP_Inh	6.52410E-05	0.000E+00
77	ALL	417672.96	3727644.69	2.43751E-04	8.87390E-08	2.77YrCancerRMP_Inh	4.87500E-05	0.000E+00
78	ALL	417673.21	3727626.14	2.11963E-04	7.71670E-08	2.77YrCancerRMP_Inh	4.23930E-05	0.000E+00
79	ALL	417658.99	3727927.91	7.97448E-04	2.90320E-07	2.77YrCancerRMP_Inh	1.59490E-04	0.000E+00
80	ALL	417644.94	3727960.99	8.24908E-04	3.00310E-07	2.77YrCancerRMP_Inh	1.64980E-04	0.000E+00
81	ALL	417621.31	3727984.42	8.99667E-04	3.27530E-07	2.77YrCancerRMP_Inh	1.79930E-04	0.000E+00
82	ALL	417588.11	3727998.19	1.03150E-03	3.75520E-07	2.77YrCancerRMP_Inh	2.06300E-04	0.000E+00
83	ALL	417554.91	3728011.95	1.10651E-03	4.02830E-07	2.77YrCancerRMP_Inh	2.21300E-04	0.000E+00
84	ALL	417521.72	3728025.72	1.07291E-03	3.90600E-07	2.77YrCancerRMP_Inh	2.14580E-04	0.000E+00
85	ALL	417488.52	3728039.49	9.24622E-04	3.36610E-07	2.77YrCancerRMP_Inh	1.84920E-04	0.000E+00
86	ALL	417708.68	3727775.04	4.24129E-04	1.54410E-07	2.77YrCancerRMP_Inh	8.48260E-05	0.000E+00
87	ALL	417698.13	3727722.71	3.46857E-04	1.26280E-07	2.77YrCancerRMP_Inh	6.93710E-05	0.000E+00
88	ALL	417716.32	3727717.18	2.87014E-04	1.04490E-07	2.77YrCancerRMP_Inh	5.74030E-05	0.000E+00
89	ALL	417709.69	3727700.84	2.72251E-04	9.91150E-08	2.77YrCancerRMP_Inh	5.44500E-05	0.000E+00
90	ALL	417709.95	3727682.30	2.39506E-04	8.71940E-08	2.77YrCancerRMP_Inh	4.79010E-05	0.000E+00
91	ALL	417710.45	3727645.20	1.85547E-04	6.75500E-08	2.77YrCancerRMP_Inh	3.71090E-05	0.000E+00
92	ALL	417710.71	3727626.65	1.64454E-04	5.98710E-08	2.77YrCancerRMP_Inh	3.28910E-05	0.000E+00
93	ALL	417698.21	3727924.36	6.10811E-04	2.22370E-07	2.77YrCancerRMP_Inh	1.22160E-04	0.000E+00
94	ALL	417684.65	3727956.28	6.45275E-04	2.34920E-07	2.77YrCancerRMP_Inh	1.29060E-04	0.000E+00
95	ALL	417671.09	3727988.20	6.62126E-04	2.41050E-07	2.77YrCancerRMP_Inh	1.32430E-04	0.000E+00
96	ALL	417648.30	3728010.80	7.14545E-04	2.60130E-07	2.77YrCancerRMP_Inh	1.42910E-04	0.000E+00
97	ALL	417616.26	3728024.09	8.11543E-04	2.95450E-07	2.77YrCancerRMP_Inh	1.62310E-04	0.000E+00
98	ALL	417584.23	3728037.38	8.82772E-04	3.21380E-07	2.77YrCancerRMP_Inh	1.76550E-04	0.000E+00
99	ALL	417552.20	3728050.66	8.95439E-04	3.25990E-07	2.77YrCancerRMP_Inh	1.79090E-04	0.000E+00
100	ALL	417520.16	3728063.95	8.30228E-04	3.02250E-07	2.77YrCancerRMP_Inh	1.66050E-04	0.000E+00
101	ALL	417488.13	3728077.23	6.99586E-04	2.54690E-07	2.77YrCancerRMP_Inh	1.39920E-04	0.000E+00
102	ALL	417746.17	3727775.55	3.12682E-04	1.13830E-07	2.77YrCancerRMP_Inh	6.25360E-05	0.000E+00
103	ALL	417746.43	3727757.00	2.84412E-04	1.03540E-07	2.77YrCancerRMP_Inh	5.68820E-05	0.000E+00
104	ALL	417746.68	3727738.45	2.56565E-04	9.34040E-08	2.77YrCancerRMP_Inh	5.13130E-05	0.000E+00
105	ALL	417746.93	3727719.91	2.29951E-04	8.37150E-08	2.77YrCancerRMP_Inh	4.59900E-05	0.000E+00
106	ALL	417747.19	3727701.36	2.05193E-04	7.47020E-08	2.77YrCancerRMP_Inh	4.10390E-05	0.000E+00
107	ALL	417747.44	3727682.81	1.82799E-04	6.65490E-08	2.77YrCancerRMP_Inh	3.65600E-05	0.000E+00
108	ALL	417747.95	3727645.71	1.45852E-04	5.30980E-08	2.77YrCancerRMP_Inh	2.91700E-05	0.000E+00
109	ALL	417748.20	3727627.17	1.31241E-04	4.77790E-08	2.77YrCancerRMP_Inh	2.62480E-05	0.000E+00
110	ALL	417740.49	3727913.60	4.62685E-04	1.68440E-07	2.77YrCancerRMP_Inh	9.25370E-05	0.000E+00
111	ALL	417733.38	3727930.35	4.85248E-04	1.76660E-07	2.77YrCancerRMP_Inh	9.70500E-05	0.000E+00
112	ALL	417726.27	3727947.09	5.03970E-04	1.83470E-07	2.77YrCancerRMP_Inh	1.00790E-04	0.000E+00
113	ALL	417719.16	3727963.83	5.18819E-04	1.88880E-07	2.77YrCancerRMP_Inh	1.03760E-04	0.000E+00
114	ALL	417712.05	3727980.57	5.29985E-04	1.92940E-07	2.77YrCancerRMP_Inh	1.06000E-04	0.000E+00
115	ALL	417704.94	3727997.31	5.37771E-04	1.95780E-07	2.77YrCancerRMP_Inh	1.07550E-04	0.000E+00
116	ALL	417697.83	3728014.05	5.42499E-04	1.97500E-07	2.77YrCancerRMP_Inh	1.08500E-04	0.000E+00
117	ALL	417673.92	3728037.76	5.83552E-04	2.12450E-07	2.77YrCancerRMP_Inh	1.16710E-04	0.000E+00
118	ALL	417657.11	3728044.73	6.23064E-04	2.26830E-07	2.77YrCancerRMP_Inh	1.24610E-04	0.000E+00
119	ALL	417640.31	3728051.70	6.61176E-04	2.40710E-07	2.77YrCancerRMP_Inh	1.32240E-04	0.000E+00
120	ALL	417623.51	3728058.66	6.95430E-04	2.53180E-07	2.77YrCancerRMP_Inh	1.39090E-04	0.000E+00
121	ALL	417606.71	3728065.63	7.22615E-04	2.63070E-07	2.77YrCancerRMP_Inh	1.44520E-04	0.000E+00
122	ALL	417589.91	3728072.60	7.39352E-04	2.69170E-07	2.77YrCancerRMP_Inh	1.47870E-04	0.000E+00
123	ALL	417573.11	3728079.57	7.42619E-04	2.70360E-07	2.77YrCancerRMP_Inh	1.48520E-04	0.000E+00
124	ALL	417556.31	3728086.54	7.30470E-04	2.65930E-07	2.77YrCancerRMP_Inh	1.46090E-04	0.000E+00
125	ALL	417539.51	3728093.50	7.02560E-04	2.55770E-07	2.77YrCancerRMP_Inh	1.40510E-04	0.000E+00
126	ALL	417522.71	3728100.47	6.60169E-04	2.40340E-07	2.77YrCancerRMP_Inh	1.32030E-04	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	-0.25 to 2.52 Year SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
127	ALL	417505.91	3728107.44	6.06243E-04	2.20710E-07	2.77YrCancerRMP_Inh	1.21250E-04	0.000E+00
128	ALL	417489.11	3728114.41	5.44728E-04	1.98310E-07	2.77YrCancerRMP_Inh	1.08950E-04	0.000E+00
129	ALL	417784.43	3727720.42	1.77248E-04	6.45280E-08	2.77YrCancerRMP_Inh	3.54500E-05	0.000E+00
130	ALL	417784.68	3727701.87	1.59690E-04	5.81360E-08	2.77YrCancerRMP_Inh	3.19380E-05	0.000E+00
131	ALL	417784.94	3727683.32	1.43845E-04	5.23680E-08	2.77YrCancerRMP_Inh	2.87690E-05	0.000E+00
132	ALL	417785.19	3727664.78	1.29845E-04	4.72710E-08	2.77YrCancerRMP_Inh	2.59690E-05	0.000E+00
133	ALL	417785.45	3727646.23	1.17639E-04	4.28270E-08	2.77YrCancerRMP_Inh	2.35280E-05	0.000E+00
134	ALL	417785.70	3727627.68	1.07138E-04	3.90040E-08	2.77YrCancerRMP_Inh	2.14280E-05	0.000E+00
135	ALL	417772.34	3727927.42	3.81616E-04	1.38930E-07	2.77YrCancerRMP_Inh	7.63230E-05	0.000E+00
136	ALL	417758.53	3727959.92	4.14791E-04	1.51010E-07	2.77YrCancerRMP_Inh	8.29580E-05	0.000E+00
137	ALL	417744.73	3727992.42	4.37080E-04	1.59120E-07	2.77YrCancerRMP_Inh	8.74160E-05	0.000E+00
138	ALL	417730.92	3728024.92	4.49484E-04	1.63640E-07	2.77YrCancerRMP_Inh	8.98970E-05	0.000E+00
139	ALL	417700.81	3728064.18	4.82783E-04	1.75760E-07	2.77YrCancerRMP_Inh	9.65570E-05	0.000E+00
140	ALL	417668.20	3728077.71	5.41442E-04	1.97120E-07	2.77YrCancerRMP_Inh	1.08290E-04	0.000E+00
141	ALL	417635.58	3728091.24	5.92879E-04	2.15840E-07	2.77YrCancerRMP_Inh	1.18580E-04	0.000E+00
142	ALL	417602.96	3728104.77	6.21924E-04	2.26420E-07	2.77YrCancerRMP_Inh	1.24380E-04	0.000E+00
143	ALL	417570.35	3728118.29	6.13385E-04	2.23310E-07	2.77YrCancerRMP_Inh	1.22680E-04	0.000E+00
144	ALL	417537.73	3728131.82	5.61829E-04	2.04540E-07	2.77YrCancerRMP_Inh	1.12370E-04	0.000E+00
145	ALL	417505.11	3728145.35	4.76867E-04	1.73610E-07	2.77YrCancerRMP_Inh	9.53730E-05	0.000E+00
146	ALL	417822.69	3727665.29	1.05830E-04	3.85280E-08	2.77YrCancerRMP_Inh	2.11660E-05	0.000E+00
147	ALL	417822.94	3727646.74	9.68894E-05	3.52730E-08	2.77YrCancerRMP_Inh	1.93780E-05	0.000E+00
148	ALL	417823.20	3727628.19	8.91292E-05	3.24480E-08	2.77YrCancerRMP_Inh	1.78260E-05	0.000E+00
149	ALL	417808.00	3727932.25	3.10509E-04	1.13040E-07	2.77YrCancerRMP_Inh	6.21020E-05	0.000E+00
150	ALL	417800.84	3727949.12	3.26967E-04	1.19030E-07	2.77YrCancerRMP_Inh	6.53930E-05	0.000E+00
151	ALL	417793.67	3727965.98	3.41375E-04	1.24280E-07	2.77YrCancerRMP_Inh	6.82750E-05	0.000E+00
152	ALL	417786.51	3727982.85	3.53529E-04	1.28700E-07	2.77YrCancerRMP_Inh	7.07060E-05	0.000E+00
153	ALL	417779.35	3727999.72	3.63403E-04	1.32300E-07	2.77YrCancerRMP_Inh	7.26810E-05	0.000E+00
154	ALL	417772.18	3728016.58	3.71106E-04	1.35100E-07	2.77YrCancerRMP_Inh	7.42210E-05	0.000E+00
155	ALL	417765.02	3728033.45	3.76767E-04	1.37160E-07	2.77YrCancerRMP_Inh	7.53530E-05	0.000E+00
156	ALL	417757.85	3728050.32	3.80639E-04	1.38570E-07	2.77YrCancerRMP_Inh	7.61280E-05	0.000E+00
157	ALL	417750.69	3728067.18	3.82912E-04	1.39400E-07	2.77YrCancerRMP_Inh	7.65820E-05	0.000E+00
158	ALL	417726.60	3728091.07	4.07206E-04	1.48250E-07	2.77YrCancerRMP_Inh	8.14410E-05	0.000E+00
159	ALL	417709.67	3728098.09	4.31182E-04	1.56970E-07	2.77YrCancerRMP_Inh	8.62360E-05	0.000E+00
160	ALL	417692.74	3728105.11	4.55116E-04	1.65690E-07	2.77YrCancerRMP_Inh	9.10230E-05	0.000E+00
161	ALL	417675.82	3728112.13	4.78056E-04	1.74040E-07	2.77YrCancerRMP_Inh	9.56110E-05	0.000E+00
162	ALL	417658.89	3728119.15	4.98728E-04	1.81570E-07	2.77YrCancerRMP_Inh	9.97460E-05	0.000E+00
163	ALL	417641.96	3728126.17	5.15515E-04	1.87680E-07	2.77YrCancerRMP_Inh	1.03100E-04	0.000E+00
164	ALL	417625.03	3728133.19	5.26686E-04	1.91740E-07	2.77YrCancerRMP_Inh	1.05340E-04	0.000E+00
165	ALL	417608.11	3728140.21	5.30634E-04	1.93180E-07	2.77YrCancerRMP_Inh	1.06130E-04	0.000E+00
166	ALL	417591.18	3728147.23	5.26185E-04	1.91560E-07	2.77YrCancerRMP_Inh	1.05240E-04	0.000E+00
167	ALL	417574.25	3728154.25	5.12788E-04	1.86680E-07	2.77YrCancerRMP_Inh	1.02560E-04	0.000E+00
168	ALL	417557.33	3728161.27	4.90688E-04	1.78640E-07	2.77YrCancerRMP_Inh	9.81380E-05	0.000E+00
169	ALL	417540.40	3728168.29	4.60925E-04	1.67800E-07	2.77YrCancerRMP_Inh	9.21850E-05	0.000E+00
170	ALL	417523.47	3728175.31	4.25199E-04	1.54800E-07	2.77YrCancerRMP_Inh	8.50400E-05	0.000E+00
171	ALL	417506.55	3728182.33	3.85631E-04	1.40390E-07	2.77YrCancerRMP_Inh	7.71260E-05	0.000E+00
172	ALL	417489.62	3728189.35	3.44431E-04	1.25390E-07	2.77YrCancerRMP_Inh	6.88860E-05	0.000E+00
173	ALL	417860.44	3727647.25	8.11940E-05	2.95590E-08	2.77YrCancerRMP_Inh	1.62390E-05	0.000E+00
174	ALL	417860.69	3727628.71	7.53315E-05	2.74250E-08	2.77YrCancerRMP_Inh	1.50660E-05	0.000E+00
175	ALL	417832.79	3727962.69	2.76993E-04	1.00840E-07	2.77YrCancerRMP_Inh	5.53990E-05	0.000E+00
176	ALL	417818.82	3727995.58	2.99224E-04	1.08930E-07	2.77YrCancerRMP_Inh	5.98450E-05	0.000E+00
177	ALL	417804.85	3728028.46	3.14768E-04	1.14590E-07	2.77YrCancerRMP_Inh	6.29540E-05	0.000E+00
178	ALL	417790.88	3728061.35	3.24022E-04	1.17960E-07	2.77YrCancerRMP_Inh	6.48040E-05	0.000E+00
179	ALL	417776.91	3728094.24	3.28145E-04	1.19460E-07	2.77YrCancerRMP_Inh	6.56290E-05	0.000E+00
180	ALL	417753.42	3728117.52	3.46725E-04	1.26230E-07	2.77YrCancerRMP_Inh	6.93450E-05	0.000E+00
181	ALL	417720.42	3728131.21	3.83934E-04	1.39770E-07	2.77YrCancerRMP_Inh	7.67870E-05	0.000E+00
182	ALL	417687.42	3728144.90	4.19522E-04	1.52730E-07	2.77YrCancerRMP_Inh	8.39040E-05	0.000E+00
183	ALL	417654.41	3728158.59	4.46680E-04	1.62620E-07	2.77YrCancerRMP_Inh	8.93360E-05	0.000E+00
184	ALL	417621.41	3728172.28	4.56450E-04	1.66170E-07	2.77YrCancerRMP_Inh	9.12900E-05	0.000E+00
185	ALL	417588.40	3728185.96	4.41894E-04	1.60870E-07	2.77YrCancerRMP_Inh	8.83790E-05	0.000E+00
186	ALL	417555.40	3728199.65	4.02229E-04	1.46430E-07	2.77YrCancerRMP_Inh	8.04460E-05	0.000E+00
187	ALL	417522.39	3728213.34	3.44218E-04	1.25310E-07	2.77YrCancerRMP_Inh	6.88440E-05	0.000E+00
188	ALL	417489.39	3728227.03	2.79115E-04	1.01610E-07	2.77YrCancerRMP_Inh	5.58230E-05	0.000E+00
189	ALL	417861.14	3727984.74	2.42650E-04	8.83380E-08	2.77YrCancerRMP_Inh	4.85300E-05	0.000E+00
190	ALL	417853.94	3728001.69	2.52505E-04	9.19260E-08	2.77YrCancerRMP_Inh	5.05010E-05	0.000E+00
191	ALL	417846.74	3728018.64	2.60975E-04	9.50090E-08	2.77YrCancerRMP_Inh	5.21950E-05	0.000E+00
192	ALL	417839.54	3728035.59	2.68014E-04	9.75720E-08	2.77YrCancerRMP_Inh	5.36030E-05	0.000E+00
193	ALL	417832.33	3728052.55	2.73654E-04	9.96260E-08	2.77YrCancerRMP_Inh	5.47310E-05	0.000E+00
194	ALL	417825.13	3728069.50	2.77957E-04	1.01190E-07	2.77YrCancerRMP_Inh	5.55910E-05	0.000E+00
195	ALL	417817.93	3728086.45	2.81054E-04	1.02320E-07	2.77YrCancerRMP_Inh	5.62110E-05	0.000E+00
196	ALL	417810.73	3728103.40	2.83087E-04	1.03060E-07	2.77YrCancerRMP_Inh	5.66170E-05	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	-0.25 to 2.52 Year SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
197	ALL	417803.53	3728120.36	2.84197E-04	1.03460E-07	2.77YrCancerRMP_Inh	5.68390E-05	0.000E+00
198	ALL	417779.32	3728144.36	2.99444E-04	1.09010E-07	2.77YrCancerRMP_Inh	5.98890E-05	0.000E+00
199	ALL	417762.30	3728151.42	3.14804E-04	1.14610E-07	2.77YrCancerRMP_Inh	6.29610E-05	0.000E+00
200	ALL	417745.29	3728158.48	3.30380E-04	1.20280E-07	2.77YrCancerRMP_Inh	6.60760E-05	0.000E+00
201	ALL	417728.28	3728165.53	3.45834E-04	1.25900E-07	2.77YrCancerRMP_Inh	6.91670E-05	0.000E+00
202	ALL	417711.26	3728172.59	3.60618E-04	1.31290E-07	2.77YrCancerRMP_Inh	7.21240E-05	0.000E+00
203	ALL	417694.25	3728179.64	3.73986E-04	1.36150E-07	2.77YrCancerRMP_Inh	7.47970E-05	0.000E+00
204	ALL	417677.24	3728186.70	3.85043E-04	1.40180E-07	2.77YrCancerRMP_Inh	7.70090E-05	0.000E+00
205	ALL	417660.22	3728193.76	3.92847E-04	1.43020E-07	2.77YrCancerRMP_Inh	7.85690E-05	0.000E+00
206	ALL	417643.21	3728200.81	3.96480E-04	1.44340E-07	2.77YrCancerRMP_Inh	7.92960E-05	0.000E+00
207	ALL	417626.20	3728207.87	3.95187E-04	1.43870E-07	2.77YrCancerRMP_Inh	7.90370E-05	0.000E+00
208	ALL	417609.18	3728214.93	3.88534E-04	1.41450E-07	2.77YrCancerRMP_Inh	7.77070E-05	0.000E+00
209	ALL	417592.17	3728221.98	3.76466E-04	1.37050E-07	2.77YrCancerRMP_Inh	7.52930E-05	0.000E+00
210	ALL	417575.16	3728229.04	3.59303E-04	1.30810E-07	2.77YrCancerRMP_Inh	7.18610E-05	0.000E+00
211	ALL	417558.15	3728236.09	3.37809E-04	1.22980E-07	2.77YrCancerRMP_Inh	6.75620E-05	0.000E+00
212	ALL	417541.13	3728243.15	3.12969E-04	1.13940E-07	2.77YrCancerRMP_Inh	6.25940E-05	0.000E+00
213	ALL	417524.12	3728250.21	2.86019E-04	1.04130E-07	2.77YrCancerRMP_Inh	5.72040E-05	0.000E+00
214	ALL	417507.11	3728257.26	2.58196E-04	9.39980E-08	2.77YrCancerRMP_Inh	5.16390E-05	0.000E+00
215	ALL	417490.09	3728264.32	2.30608E-04	8.39540E-08	2.77YrCancerRMP_Inh	4.61220E-05	0.000E+00
216	ALL	417886.12	3728014.70	2.18097E-04	7.93990E-08	2.77YrCancerRMP_Inh	4.36190E-05	0.000E+00
217	ALL	417872.04	3728047.87	2.31728E-04	8.43620E-08	2.77YrCancerRMP_Inh	4.63460E-05	0.000E+00
218	ALL	417864.99	3728064.45	2.36909E-04	8.62480E-08	2.77YrCancerRMP_Inh	4.73820E-05	0.000E+00
219	ALL	417850.91	3728097.61	2.44120E-04	8.88730E-08	2.77YrCancerRMP_Inh	4.88240E-05	0.000E+00
220	ALL	417843.86	3728114.19	2.46335E-04	8.96800E-08	2.77YrCancerRMP_Inh	4.92670E-05	0.000E+00
221	ALL	417829.78	3728147.36	2.48479E-04	9.04600E-08	2.77YrCancerRMP_Inh	4.96960E-05	0.000E+00
222	ALL	417806.09	3728170.84	2.60483E-04	9.48310E-08	2.77YrCancerRMP_Inh	5.20970E-05	0.000E+00
223	ALL	417789.45	3728177.74	2.72677E-04	9.92700E-08	2.77YrCancerRMP_Inh	5.45350E-05	0.000E+00
224	ALL	417772.81	3728184.64	2.85113E-04	1.03800E-07	2.77YrCancerRMP_Inh	5.70230E-05	0.000E+00
225	ALL	417739.53	3728198.45	3.09790E-04	1.12780E-07	2.77YrCancerRMP_Inh	6.19580E-05	0.000E+00
226	ALL	417706.25	3728212.25	3.31447E-04	1.20670E-07	2.77YrCancerRMP_Inh	6.62890E-05	0.000E+00
227	ALL	417689.61	3728219.15	3.39673E-04	1.23660E-07	2.77YrCancerRMP_Inh	6.79350E-05	0.000E+00
228	ALL	417656.32	3728232.95	3.47580E-04	1.26540E-07	2.77YrCancerRMP_Inh	6.95160E-05	0.000E+00
229	ALL	417623.04	3728246.76	3.40552E-04	1.23980E-07	2.77YrCancerRMP_Inh	6.81100E-05	0.000E+00
230	ALL	417606.40	3728253.66	3.30876E-04	1.20460E-07	2.77YrCancerRMP_Inh	6.61750E-05	0.000E+00
231	ALL	417573.12	3728267.46	3.00311E-04	1.09330E-07	2.77YrCancerRMP_Inh	6.00620E-05	0.000E+00
232	ALL	417539.84	3728281.27	2.59025E-04	9.43000E-08	2.77YrCancerRMP_Inh	5.18050E-05	0.000E+00
233	ALL	417523.20	3728288.17	2.36451E-04	8.60810E-08	2.77YrCancerRMP_Inh	4.72900E-05	0.000E+00
234	ALL	417489.91	3728301.97	1.91592E-04	6.97500E-08	2.77YrCancerRMP_Inh	3.83180E-05	0.000E+00
235	ALL	417970.90	3727797.18	8.77033E-05	3.19290E-08	2.77YrCancerRMP_Inh	1.75410E-05	0.000E+00
236	ALL	417971.15	3727778.63	8.17987E-05	2.97790E-08	2.77YrCancerRMP_Inh	1.63600E-05	0.000E+00
237	ALL	417971.41	3727760.08	7.62330E-05	2.77530E-08	2.77YrCancerRMP_Inh	1.52470E-05	0.000E+00
238	ALL	417971.66	3727741.53	7.10317E-05	2.58600E-08	2.77YrCancerRMP_Inh	1.42060E-05	0.000E+00
239	ALL	417971.91	3727722.99	6.62493E-05	2.41180E-08	2.77YrCancerRMP_Inh	1.32500E-05	0.000E+00
240	ALL	417972.17	3727704.44	6.18769E-05	2.25270E-08	2.77YrCancerRMP_Inh	1.23750E-05	0.000E+00
241	ALL	417972.42	3727685.89	5.79236E-05	2.10870E-08	2.77YrCancerRMP_Inh	1.15850E-05	0.000E+00
242	ALL	417972.68	3727667.34	5.43678E-05	1.97930E-08	2.77YrCancerRMP_Inh	1.08740E-05	0.000E+00
243	ALL	417972.93	3727648.79	5.11898E-05	1.86360E-08	2.77YrCancerRMP_Inh	1.02380E-05	0.000E+00
244	ALL	417973.18	3727630.25	4.83626E-05	1.76070E-08	2.77YrCancerRMP_Inh	9.67250E-06	0.000E+00
245	ALL	417992.54	3728000.95	1.34171E-04	4.88460E-08	2.77YrCancerRMP_Inh	2.68340E-05	0.000E+00
246	ALL	417985.44	3728017.67	1.41044E-04	5.13480E-08	2.77YrCancerRMP_Inh	2.82090E-05	0.000E+00
247	ALL	417978.34	3728034.38	1.47537E-04	5.37120E-08	2.77YrCancerRMP_Inh	2.95070E-05	0.000E+00
248	ALL	417964.14	3728067.81	1.59090E-04	5.79180E-08	2.77YrCancerRMP_Inh	3.18180E-05	0.000E+00
249	ALL	417957.04	3728084.52	1.63960E-04	5.96910E-08	2.77YrCancerRMP_Inh	3.27920E-05	0.000E+00
250	ALL	417949.94	3728101.24	1.68160E-04	6.12200E-08	2.77YrCancerRMP_Inh	3.36320E-05	0.000E+00
251	ALL	417876.37	3728241.91	1.87516E-04	6.82660E-08	2.77YrCancerRMP_Inh	3.75030E-05	0.000E+00
252	ALL	417859.59	3728248.86	1.94949E-04	7.09730E-08	2.77YrCancerRMP_Inh	3.89900E-05	0.000E+00
253	ALL	417842.82	3728255.82	2.02559E-04	7.37430E-08	2.77YrCancerRMP_Inh	4.05120E-05	0.000E+00
254	ALL	417826.05	3728262.78	2.10305E-04	7.65630E-08	2.77YrCancerRMP_Inh	4.20610E-05	0.000E+00
255	ALL	417809.27	3728269.73	2.18098E-04	7.94000E-08	2.77YrCancerRMP_Inh	4.36200E-05	0.000E+00
256	ALL	417792.50	3728276.69	2.25756E-04	8.21880E-08	2.77YrCancerRMP_Inh	4.51510E-05	0.000E+00
257	ALL	417775.72	3728283.65	2.33073E-04	8.48520E-08	2.77YrCancerRMP_Inh	4.66150E-05	0.000E+00
258	ALL	417758.95	3728290.60	2.39756E-04	8.72850E-08	2.77YrCancerRMP_Inh	4.79510E-05	0.000E+00
259	ALL	417742.17	3728297.56	2.45470E-04	8.93650E-08	2.77YrCancerRMP_Inh	4.90940E-05	0.000E+00
260	ALL	417725.40	3728304.52	2.49846E-04	9.09580E-08	2.77YrCancerRMP_Inh	4.99690E-05	0.000E+00
261	ALL	417708.63	3728311.48	2.52532E-04	9.19360E-08	2.77YrCancerRMP_Inh	5.05060E-05	0.000E+00
262	ALL	417691.85	3728318.43	2.53219E-04	9.21860E-08	2.77YrCancerRMP_Inh	5.06440E-05	0.000E+00
263	ALL	417675.08	3728325.39	2.51639E-04	9.16110E-08	2.77YrCancerRMP_Inh	5.03280E-05	0.000E+00
264	ALL	417658.30	3728332.35	2.47665E-04	9.01640E-08	2.77YrCancerRMP_Inh	4.95330E-05	0.000E+00
265	ALL	417641.53	3728339.30	2.41289E-04	8.78430E-08	2.77YrCancerRMP_Inh	4.82580E-05	0.000E+00
266	ALL	417624.76	3728346.26	2.32614E-04	8.46850E-08	2.77YrCancerRMP_Inh	4.65230E-05	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	-0.25 to 2.52 Year SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
267	ALL	417607.98	3728353.22	2.21889E-04	8.07800E-08	2.77YrCancerRMP_Inh	4.43780E-05	0.000E+00
268	ALL	417591.21	3728360.17	2.09479E-04	7.62620E-08	2.77YrCancerRMP_Inh	4.18960E-05	0.000E+00
269	ALL	417574.43	3728367.13	1.95785E-04	7.12770E-08	2.77YrCancerRMP_Inh	3.91570E-05	0.000E+00
270	ALL	417557.66	3728374.09	1.81286E-04	6.59980E-08	2.77YrCancerRMP_Inh	3.62570E-05	0.000E+00
271	ALL	417540.89	3728381.04	1.66447E-04	6.05960E-08	2.77YrCancerRMP_Inh	3.32890E-05	0.000E+00
272	ALL	417524.11	3728388.00	1.51674E-04	5.52180E-08	2.77YrCancerRMP_Inh	3.03350E-05	0.000E+00
273	ALL	417507.34	3728394.96	1.37356E-04	5.00050E-08	2.77YrCancerRMP_Inh	2.74710E-05	0.000E+00
274	ALL	417490.56	3728401.92	1.23764E-04	4.50570E-08	2.77YrCancerRMP_Inh	2.47530E-05	0.000E+00
275	ALL	418070.89	3727798.55	5.74706E-05	2.09230E-08	2.77YrCancerRMP_Inh	1.14940E-05	0.000E+00
276	ALL	418071.14	3727780.00	5.41120E-05	1.97000E-08	2.77YrCancerRMP_Inh	1.08220E-05	0.000E+00
277	ALL	418071.40	3727761.45	5.09555E-05	1.85510E-08	2.77YrCancerRMP_Inh	1.01910E-05	0.000E+00
278	ALL	418071.65	3727742.90	4.80149E-05	1.74800E-08	2.77YrCancerRMP_Inh	9.60300E-06	0.000E+00
279	ALL	418071.90	3727724.36	4.52940E-05	1.64900E-08	2.77YrCancerRMP_Inh	9.05880E-06	0.000E+00
280	ALL	418072.16	3727705.81	4.27913E-05	1.55780E-08	2.77YrCancerRMP_Inh	8.55830E-06	0.000E+00
281	ALL	418072.41	3727687.26	4.05024E-05	1.47450E-08	2.77YrCancerRMP_Inh	8.10050E-06	0.000E+00
282	ALL	418072.67	3727668.71	3.84130E-05	1.39840E-08	2.77YrCancerRMP_Inh	7.68260E-06	0.000E+00
283	ALL	418072.92	3727650.16	3.65132E-05	1.32930E-08	2.77YrCancerRMP_Inh	7.30260E-06	0.000E+00
284	ALL	418073.17	3727631.62	3.47899E-05	1.26650E-08	2.77YrCancerRMP_Inh	6.95800E-06	0.000E+00
285	ALL	418163.48	3727835.28	4.53938E-05	1.65260E-08	2.77YrCancerRMP_Inh	9.07880E-06	0.000E+00
286	ALL	418156.34	3727852.09	4.88242E-05	1.77750E-08	2.77YrCancerRMP_Inh	9.76480E-06	0.000E+00
287	ALL	418149.20	3727868.90	5.25274E-05	1.91230E-08	2.77YrCancerRMP_Inh	1.05050E-05	0.000E+00
288	ALL	418142.06	3727885.71	5.64895E-05	2.05650E-08	2.77YrCancerRMP_Inh	1.12980E-05	0.000E+00
289	ALL	418134.92	3727902.52	6.07135E-05	2.21030E-08	2.77YrCancerRMP_Inh	1.21430E-05	0.000E+00
290	ALL	418127.78	3727919.33	6.51661E-05	2.37240E-08	2.77YrCancerRMP_Inh	1.30330E-05	0.000E+00
291	ALL	418120.64	3727936.14	6.97603E-05	2.53970E-08	2.77YrCancerRMP_Inh	1.39520E-05	0.000E+00
292	ALL	418113.50	3727952.95	7.45281E-05	2.71320E-08	2.77YrCancerRMP_Inh	1.49060E-05	0.000E+00
293	ALL	418106.36	3727969.76	7.94310E-05	2.89170E-08	2.77YrCancerRMP_Inh	1.58860E-05	0.000E+00
294	ALL	418099.22	3727986.57	8.44248E-05	3.07350E-08	2.77YrCancerRMP_Inh	1.68850E-05	0.000E+00
295	ALL	418092.08	3728003.38	8.94587E-05	3.25680E-08	2.77YrCancerRMP_Inh	1.78920E-05	0.000E+00
296	ALL	418084.94	3728020.19	9.44762E-05	3.43950E-08	2.77YrCancerRMP_Inh	1.88950E-05	0.000E+00
297	ALL	418077.80	3728037.00	9.94221E-05	3.61950E-08	2.77YrCancerRMP_Inh	1.98840E-05	0.000E+00
298	ALL	418070.66	3728053.81	1.04235E-04	3.79470E-08	2.77YrCancerRMP_Inh	2.08470E-05	0.000E+00
299	ALL	418063.52	3728070.62	1.08856E-04	3.96300E-08	2.77YrCancerRMP_Inh	2.17710E-05	0.000E+00
300	ALL	418056.38	3728087.43	1.13229E-04	4.12220E-08	2.77YrCancerRMP_Inh	2.26460E-05	0.000E+00
301	ALL	418049.24	3728104.24	1.17303E-04	4.27050E-08	2.77YrCancerRMP_Inh	2.34610E-05	0.000E+00
302	ALL	418042.10	3728121.05	1.21033E-04	4.40630E-08	2.77YrCancerRMP_Inh	2.42070E-05	0.000E+00
303	ALL	418034.95	3728137.86	1.24388E-04	4.52840E-08	2.77YrCancerRMP_Inh	2.48780E-05	0.000E+00
304	ALL	418027.81	3728154.67	1.27333E-04	4.63570E-08	2.77YrCancerRMP_Inh	2.54670E-05	0.000E+00
305	ALL	418020.67	3728171.48	1.29861E-04	4.72770E-08	2.77YrCancerRMP_Inh	2.59720E-05	0.000E+00
306	ALL	418013.53	3728188.29	1.31964E-04	4.80420E-08	2.77YrCancerRMP_Inh	2.63930E-05	0.000E+00
307	ALL	418006.39	3728205.10	1.33655E-04	4.86580E-08	2.77YrCancerRMP_Inh	2.67310E-05	0.000E+00
308	ALL	417999.25	3728221.91	1.34951E-04	4.91300E-08	2.77YrCancerRMP_Inh	2.69900E-05	0.000E+00
309	ALL	417992.11	3728238.72	1.35878E-04	4.94670E-08	2.77YrCancerRMP_Inh	2.71760E-05	0.000E+00
310	ALL	417984.97	3728255.53	1.36474E-04	4.96840E-08	2.77YrCancerRMP_Inh	2.72950E-05	0.000E+00
311	ALL	417977.83	3728272.34	1.36776E-04	4.97940E-08	2.77YrCancerRMP_Inh	2.73550E-05	0.000E+00
312	ALL	417970.69	3728289.15	1.36819E-04	4.98100E-08	2.77YrCancerRMP_Inh	2.73640E-05	0.000E+00
313	ALL	417946.68	3728312.96	1.41324E-04	5.14500E-08	2.77YrCancerRMP_Inh	2.82650E-05	0.000E+00
314	ALL	417929.81	3728319.95	1.46119E-04	5.31960E-08	2.77YrCancerRMP_Inh	2.92240E-05	0.000E+00
315	ALL	417912.94	3728326.95	1.51030E-04	5.49840E-08	2.77YrCancerRMP_Inh	3.02060E-05	0.000E+00
316	ALL	417896.07	3728333.95	1.56054E-04	5.68130E-08	2.77YrCancerRMP_Inh	3.12110E-05	0.000E+00
317	ALL	417879.20	3728340.95	1.61167E-04	5.86740E-08	2.77YrCancerRMP_Inh	3.22330E-05	0.000E+00
318	ALL	417862.33	3728347.94	1.66313E-04	6.05470E-08	2.77YrCancerRMP_Inh	3.32630E-05	0.000E+00
319	ALL	417845.46	3728354.94	1.71404E-04	6.24010E-08	2.77YrCancerRMP_Inh	3.42810E-05	0.000E+00
320	ALL	417828.59	3728361.94	1.76323E-04	6.41910E-08	2.77YrCancerRMP_Inh	3.52650E-05	0.000E+00
321	ALL	417811.72	3728368.93	1.80915E-04	6.58630E-08	2.77YrCancerRMP_Inh	3.61830E-05	0.000E+00
322	ALL	417794.85	3728375.93	1.84992E-04	6.73480E-08	2.77YrCancerRMP_Inh	3.69980E-05	0.000E+00
323	ALL	417777.97	3728382.93	1.88355E-04	6.85720E-08	2.77YrCancerRMP_Inh	3.76710E-05	0.000E+00
324	ALL	417761.10	3728389.92	1.90791E-04	6.94590E-08	2.77YrCancerRMP_Inh	3.81580E-05	0.000E+00
325	ALL	417744.23	3728396.92	1.92095E-04	6.99340E-08	2.77YrCancerRMP_Inh	3.84190E-05	0.000E+00
326	ALL	417727.36	3728403.92	1.92099E-04	6.99350E-08	2.77YrCancerRMP_Inh	3.84200E-05	0.000E+00
327	ALL	417710.49	3728410.91	1.90681E-04	6.94180E-08	2.77YrCancerRMP_Inh	3.81360E-05	0.000E+00
328	ALL	417693.62	3728417.91	1.87755E-04	6.83540E-08	2.77YrCancerRMP_Inh	3.75510E-05	0.000E+00
329	ALL	417676.75	3728424.91	1.83330E-04	6.67430E-08	2.77YrCancerRMP_Inh	3.66660E-05	0.000E+00
330	ALL	417659.88	3728431.90	1.77474E-04	6.46110E-08	2.77YrCancerRMP_Inh	3.54950E-05	0.000E+00
331	ALL	417643.01	3728438.90	1.70310E-04	6.20030E-08	2.77YrCancerRMP_Inh	3.40620E-05	0.000E+00
332	ALL	417626.14	3728445.90	1.62034E-04	5.89900E-08	2.77YrCancerRMP_Inh	3.24070E-05	0.000E+00
333	ALL	417609.27	3728452.90	1.52880E-04	5.56570E-08	2.77YrCancerRMP_Inh	3.05760E-05	0.000E+00
334	ALL	417592.40	3728459.89	1.43111E-04	5.21000E-08	2.77YrCancerRMP_Inh	2.86220E-05	0.000E+00
335	ALL	417575.53	3728466.89	1.32981E-04	4.84130E-08	2.77YrCancerRMP_Inh	2.65960E-05	0.000E+00
336	ALL	417558.66	3728473.89	1.22752E-04	4.46890E-08	2.77YrCancerRMP_Inh	2.45500E-05	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	-0.25 to 2.52 Year SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
337	ALL	417541.79	3728480.88	1.12657E-04	4.10130E-08	2.77YrCancerRMP_Inh	2.25310E-05	0.000E+00
338	ALL	417524.92	3728487.88	1.02882E-04	3.74550E-08	2.77YrCancerRMP_Inh	2.05760E-05	0.000E+00
339	ALL	417508.05	3728494.88	9.35851E-05	3.40700E-08	2.77YrCancerRMP_Inh	1.87170E-05	0.000E+00
340	ALL	417491.18	3728501.87	8.48785E-05	3.09010E-08	2.77YrCancerRMP_Inh	1.69760E-05	0.000E+00
341	ALL	418170.62	3727818.47	4.22309E-05	1.53740E-08	2.77YrCancerRMP_Inh	8.44620E-06	0.000E+00
342	ALL	418170.88	3727799.92	4.00649E-05	1.45860E-08	2.77YrCancerRMP_Inh	8.01300E-06	0.000E+00
343	ALL	418171.13	3727781.37	3.80184E-05	1.38410E-08	2.77YrCancerRMP_Inh	7.60370E-06	0.000E+00
344	ALL	418171.39	3727762.82	3.61022E-05	1.31430E-08	2.77YrCancerRMP_Inh	7.22040E-06	0.000E+00
345	ALL	418171.64	3727744.27	3.43096E-05	1.24910E-08	2.77YrCancerRMP_Inh	6.86190E-06	0.000E+00
346	ALL	418171.89	3727725.73	3.26486E-05	1.18860E-08	2.77YrCancerRMP_Inh	6.52970E-06	0.000E+00
347	ALL	418172.15	3727707.18	3.11053E-05	1.13240E-08	2.77YrCancerRMP_Inh	6.22110E-06	0.000E+00
348	ALL	418172.40	3727688.63	2.96851E-05	1.08070E-08	2.77YrCancerRMP_Inh	5.93700E-06	0.000E+00
349	ALL	418172.66	3727670.08	2.83726E-05	1.03290E-08	2.77YrCancerRMP_Inh	5.67450E-06	0.000E+00
350	ALL	418172.91	3727651.53	2.71676E-05	9.89050E-09	2.77YrCancerRMP_Inh	5.43350E-06	0.000E+00
351	ALL	418173.16	3727632.99	2.60559E-05	9.48580E-09	2.77YrCancerRMP_Inh	5.21120E-06	0.000E+00
352	ALL	417458.22	3727612.49	1.99950E-03	7.27930E-07	2.77YrCancerRMP_Inh	3.99900E-04	0.000E+00
353	ALL	417439.85	3727613.71	2.41966E-03	8.80890E-07	2.77YrCancerRMP_Inh	4.83930E-04	0.000E+00
354	ALL	417403.54	3727611.72	2.56841E-03	9.35050E-07	2.77YrCancerRMP_Inh	5.13680E-04	0.000E+00
355	ALL	417365.51	3727614.41	2.60716E-03	9.49150E-07	2.77YrCancerRMP_Inh	5.21430E-04	0.000E+00
356	ALL	417336.57	3727597.19	1.49080E-03	5.42740E-07	2.77YrCancerRMP_Inh	2.98160E-04	0.000E+00
357	ALL	417488.36	3727581.53	6.86571E-04	2.49950E-07	2.77YrCancerRMP_Inh	1.37310E-04	0.000E+00
358	ALL	417460.32	3727575.78	7.72178E-04	2.81120E-07	2.77YrCancerRMP_Inh	1.54440E-04	0.000E+00
359	ALL	417423.27	3727590.50	1.33540E-03	4.86160E-07	2.77YrCancerRMP_Inh	2.67080E-04	0.000E+00
360	ALL	417383.76	3727584.59	1.24659E-03	4.53830E-07	2.77YrCancerRMP_Inh	2.49320E-04	0.000E+00
361	ALL	417341.31	3727582.61	1.13215E-03	4.12170E-07	2.77YrCancerRMP_Inh	2.26430E-04	0.000E+00
362	ALL	417486.84	3727569.26	5.69072E-04	2.07170E-07	2.77YrCancerRMP_Inh	1.13810E-04	0.000E+00
363	ALL	417521.52	3727595.39	6.12451E-04	2.22970E-07	2.77YrCancerRMP_Inh	1.22490E-04	0.000E+00
364	ALL	417454.64	3727563.64	6.41223E-04	2.33440E-07	2.77YrCancerRMP_Inh	1.28240E-04	0.000E+00
365	ALL	417419.07	3727564.12	7.59479E-04	2.76490E-07	2.77YrCancerRMP_Inh	1.51900E-04	0.000E+00
366	ALL	417394.30	3727558.59	7.31379E-04	2.66260E-07	2.77YrCancerRMP_Inh	1.46280E-04	0.000E+00
367	ALL	417347.93	3727565.07	8.41250E-04	3.06260E-07	2.77YrCancerRMP_Inh	1.68250E-04	0.000E+00
368	ALL	417486.57	3727549.27	4.30146E-04	1.56600E-07	2.77YrCancerRMP_Inh	8.60290E-05	0.000E+00
369	ALL	417515.40	3727560.98	4.09779E-04	1.49180E-07	2.77YrCancerRMP_Inh	8.19560E-05	0.000E+00
370	ALL	417535.66	3727581.25	4.40788E-04	1.60470E-07	2.77YrCancerRMP_Inh	8.81580E-05	0.000E+00
371	ALL	417454.38	3727543.64	4.70748E-04	1.71380E-07	2.77YrCancerRMP_Inh	9.41500E-05	0.000E+00
372	ALL	417418.80	3727544.12	5.42169E-04	1.97380E-07	2.77YrCancerRMP_Inh	1.08430E-04	0.000E+00
373	ALL	417383.23	3727544.59	5.92862E-04	2.15840E-07	2.77YrCancerRMP_Inh	1.18570E-04	0.000E+00
374	ALL	417347.66	3727545.07	6.28882E-04	2.28950E-07	2.77YrCancerRMP_Inh	1.25780E-04	0.000E+00
375	ALL	417486.31	3727529.27	3.38586E-04	1.23260E-07	2.77YrCancerRMP_Inh	6.77170E-05	0.000E+00
376	ALL	417515.13	3727540.98	3.28369E-04	1.19540E-07	2.77YrCancerRMP_Inh	6.56740E-05	0.000E+00
377	ALL	417549.81	3727567.11	3.35857E-04	1.22270E-07	2.77YrCancerRMP_Inh	6.71710E-05	0.000E+00
378	ALL	417561.51	3727595.94	4.11138E-04	1.49680E-07	2.77YrCancerRMP_Inh	8.22280E-05	0.000E+00
379	ALL	417454.11	3727523.65	3.63390E-04	1.32290E-07	2.77YrCancerRMP_Inh	7.26780E-05	0.000E+00
380	ALL	417418.54	3727524.12	4.09773E-04	1.49180E-07	2.77YrCancerRMP_Inh	8.19550E-05	0.000E+00
381	ALL	417382.96	3727524.60	4.49028E-04	1.63470E-07	2.77YrCancerRMP_Inh	8.98060E-05	0.000E+00
382	ALL	417347.39	3727525.07	4.93286E-04	1.79580E-07	2.77YrCancerRMP_Inh	9.86570E-05	0.000E+00
383	ALL	417486.04	3727509.27	2.74690E-04	1.00000E-07	2.77YrCancerRMP_Inh	5.49380E-05	0.000E+00
384	ALL	417514.86	3727520.99	2.69666E-04	9.81740E-08	2.77YrCancerRMP_Inh	5.39330E-05	0.000E+00
385	ALL	417543.69	3727532.70	2.55079E-04	9.28630E-08	2.77YrCancerRMP_Inh	5.10160E-05	0.000E+00
386	ALL	417563.95	3727552.98	2.66085E-04	9.68700E-08	2.77YrCancerRMP_Inh	5.32170E-05	0.000E+00
387	ALL	417575.66	3727581.80	3.14585E-04	1.14530E-07	2.77YrCancerRMP_Inh	6.29170E-05	0.000E+00
388	ALL	417453.84	3727503.65	2.90781E-04	1.05860E-07	2.77YrCancerRMP_Inh	5.81560E-05	0.000E+00
389	ALL	417418.27	3727504.12	3.22881E-04	1.17550E-07	2.77YrCancerRMP_Inh	6.45760E-05	0.000E+00
390	ALL	417382.70	3727504.60	3.54170E-04	1.28940E-07	2.77YrCancerRMP_Inh	7.08340E-05	0.000E+00
391	ALL	417347.12	3727505.07	4.01002E-04	1.45990E-07	2.77YrCancerRMP_Inh	8.02000E-05	0.000E+00
392	ALL	417485.77	3727489.27	2.28267E-04	8.31020E-08	2.77YrCancerRMP_Inh	4.56530E-05	0.000E+00
393	ALL	417514.60	3727500.99	2.25919E-04	8.22470E-08	2.77YrCancerRMP_Inh	4.51840E-05	0.000E+00
394	ALL	417543.42	3727512.70	2.16692E-04	7.88880E-08	2.77YrCancerRMP_Inh	4.33380E-05	0.000E+00
395	ALL	417578.10	3727538.84	2.16934E-04	7.89760E-08	2.77YrCancerRMP_Inh	4.33870E-05	0.000E+00
396	ALL	417589.80	3727567.66	2.50120E-04	9.10580E-08	2.77YrCancerRMP_Inh	5.00240E-05	0.000E+00
397	ALL	417601.51	3727596.49	2.91305E-04	1.06050E-07	2.77YrCancerRMP_Inh	5.82610E-05	0.000E+00
398	ALL	417453.57	3727483.65	2.39296E-04	8.71170E-08	2.77YrCancerRMP_Inh	4.78590E-05	0.000E+00
399	ALL	417418.00	3727484.12	2.62687E-04	9.56330E-08	2.77YrCancerRMP_Inh	5.25370E-05	0.000E+00
400	ALL	417382.43	3727484.60	2.88241E-04	1.04940E-07	2.77YrCancerRMP_Inh	5.76480E-05	0.000E+00
401	ALL	417346.86	3727485.07	3.34561E-04	1.21800E-07	2.77YrCancerRMP_Inh	6.69120E-05	0.000E+00
402	ALL	417487.56	3727470.11	1.93673E-04	7.05080E-08	2.77YrCancerRMP_Inh	3.87350E-05	0.000E+00
403	ALL	417520.50	3727483.50	1.91763E-04	6.98130E-08	2.77YrCancerRMP_Inh	3.83530E-05	0.000E+00
404	ALL	417553.45	3727496.89	1.83441E-04	6.67830E-08	2.77YrCancerRMP_Inh	3.66880E-05	0.000E+00
405	ALL	417593.08	3727526.75	1.82503E-04	6.64410E-08	2.77YrCancerRMP_Inh	3.65010E-05	0.000E+00
406	ALL	417606.46	3727559.70	2.10145E-04	7.65050E-08	2.77YrCancerRMP_Inh	4.20290E-05	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	-0.25 to 2.52 Year SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
407	ALL	417619.84	3727592.65	2.44463E-04	8.89980E-08	2.77YrCancerRMP_Inh	4.88930E-05	0.000E+00
408	ALL	417453.31	3727463.65	2.01533E-04	7.33700E-08	2.77YrCancerRMP_Inh	4.03070E-05	0.000E+00
409	ALL	417417.73	3727464.13	2.19341E-04	7.98520E-08	2.77YrCancerRMP_Inh	4.38680E-05	0.000E+00
410	ALL	417382.16	3727464.60	2.40525E-04	8.75650E-08	2.77YrCancerRMP_Inh	4.81050E-05	0.000E+00
411	ALL	417346.59	3727465.08	2.84192E-04	1.03460E-07	2.77YrCancerRMP_Inh	5.68380E-05	0.000E+00
412	ALL	417487.04	3727450.01	1.67279E-04	6.08990E-08	2.77YrCancerRMP_Inh	3.34560E-05	0.000E+00
413	ALL	417519.47	3727463.19	1.66410E-04	6.05830E-08	2.77YrCancerRMP_Inh	3.32820E-05	0.000E+00
414	ALL	417551.89	3727476.37	1.60984E-04	5.86070E-08	2.77YrCancerRMP_Inh	3.21970E-05	0.000E+00
415	ALL	417584.32	3727489.55	1.51562E-04	5.51770E-08	2.77YrCancerRMP_Inh	3.03120E-05	0.000E+00
416	ALL	417607.12	3727512.36	1.54788E-04	5.63520E-08	2.77YrCancerRMP_Inh	3.09580E-05	0.000E+00
417	ALL	417620.29	3727544.79	1.74610E-04	6.35680E-08	2.77YrCancerRMP_Inh	3.49220E-05	0.000E+00
418	ALL	417633.46	3727577.22	1.98257E-04	7.21770E-08	2.77YrCancerRMP_Inh	3.96510E-05	0.000E+00
419	ALL	417453.04	3727443.65	1.73223E-04	6.30630E-08	2.77YrCancerRMP_Inh	3.46450E-05	0.000E+00
420	ALL	417417.47	3727444.13	1.87222E-04	6.81590E-08	2.77YrCancerRMP_Inh	3.74440E-05	0.000E+00
421	ALL	417381.90	3727444.60	2.04988E-04	7.46270E-08	2.77YrCancerRMP_Inh	4.09980E-05	0.000E+00
422	ALL	417346.32	3727445.08	2.44205E-04	8.89040E-08	2.77YrCancerRMP_Inh	4.88410E-05	0.000E+00
423	ALL	417486.57	3727429.93	1.47037E-04	5.35300E-08	2.77YrCancerRMP_Inh	2.94070E-05	0.000E+00
424	ALL	417518.60	3727442.95	1.46561E-04	5.33560E-08	2.77YrCancerRMP_Inh	2.93120E-05	0.000E+00
425	ALL	417550.62	3727455.97	1.42850E-04	5.20050E-08	2.77YrCancerRMP_Inh	2.85700E-05	0.000E+00
426	ALL	417582.65	3727468.98	1.35972E-04	4.95010E-08	2.77YrCancerRMP_Inh	2.71940E-05	0.000E+00
427	ALL	417621.18	3727498.02	1.33495E-04	4.86000E-08	2.77YrCancerRMP_Inh	2.66990E-05	0.000E+00
428	ALL	417634.19	3727530.05	1.48052E-04	5.38990E-08	2.77YrCancerRMP_Inh	2.96100E-05	0.000E+00
429	ALL	417647.20	3727562.08	1.64984E-04	6.00630E-08	2.77YrCancerRMP_Inh	3.29970E-05	0.000E+00
430	ALL	417660.20	3727594.11	1.85811E-04	6.76460E-08	2.77YrCancerRMP_Inh	3.71620E-05	0.000E+00
431	ALL	417452.77	3727423.66	1.51796E-04	5.52620E-08	2.77YrCancerRMP_Inh	3.03590E-05	0.000E+00
432	ALL	417417.20	3727424.13	1.63087E-04	5.93730E-08	2.77YrCancerRMP_Inh	3.26170E-05	0.000E+00
433	ALL	417381.63	3727424.61	1.78161E-04	6.48610E-08	2.77YrCancerRMP_Inh	3.56320E-05	0.000E+00
434	ALL	417346.06	3727425.08	2.11607E-04	7.70370E-08	2.77YrCancerRMP_Inh	4.23210E-05	0.000E+00
435	ALL	417485.62	3727392.25	1.21612E-04	4.42740E-08	2.77YrCancerRMP_Inh	2.43220E-05	0.000E+00
436	ALL	417516.73	3727404.89	1.20719E-04	4.39480E-08	2.77YrCancerRMP_Inh	2.41440E-05	0.000E+00
437	ALL	417547.85	3727417.54	1.18335E-04	4.30800E-08	2.77YrCancerRMP_Inh	2.36670E-05	0.000E+00
438	ALL	417578.96	3727430.19	1.14130E-04	4.15500E-08	2.77YrCancerRMP_Inh	2.28260E-05	0.000E+00
439	ALL	417610.08	3727442.84	1.08325E-04	3.94360E-08	2.77YrCancerRMP_Inh	2.16650E-05	0.000E+00
440	ALL	417647.52	3727471.05	1.05120E-04	3.82690E-08	2.77YrCancerRMP_Inh	2.10240E-05	0.000E+00
441	ALL	417660.15	3727502.17	1.13363E-04	4.12710E-08	2.77YrCancerRMP_Inh	2.26730E-05	0.000E+00
442	ALL	417672.79	3727533.29	1.22848E-04	4.47240E-08	2.77YrCancerRMP_Inh	2.45700E-05	0.000E+00
443	ALL	417685.43	3727564.41	1.34008E-04	4.87860E-08	2.77YrCancerRMP_Inh	2.68020E-05	0.000E+00
444	ALL	417698.07	3727595.53	1.47651E-04	5.37530E-08	2.77YrCancerRMP_Inh	2.95300E-05	0.000E+00
445	ALL	417452.27	3727386.16	1.25427E-04	4.56620E-08	2.77YrCancerRMP_Inh	2.50850E-05	0.000E+00
446	ALL	417416.70	3727386.63	1.33457E-04	4.85860E-08	2.77YrCancerRMP_Inh	2.66910E-05	0.000E+00
447	ALL	417381.13	3727387.11	1.44996E-04	5.27870E-08	2.77YrCancerRMP_Inh	2.89990E-05	0.000E+00
448	ALL	417345.56	3727387.58	1.69050E-04	6.15440E-08	2.77YrCancerRMP_Inh	3.38100E-05	0.000E+00
449	ALL	417484.80	3727354.62	1.11088E-04	4.04420E-08	2.77YrCancerRMP_Inh	2.22180E-05	0.000E+00
450	ALL	417515.29	3727367.01	1.07769E-04	3.92340E-08	2.77YrCancerRMP_Inh	2.15540E-05	0.000E+00
451	ALL	417545.77	3727379.41	1.04508E-04	3.80470E-08	2.77YrCancerRMP_Inh	2.09020E-05	0.000E+00
452	ALL	417576.26	3727391.80	1.00649E-04	3.66420E-08	2.77YrCancerRMP_Inh	2.01300E-05	0.000E+00
453	ALL	417606.75	3727404.19	9.60068E-05	3.49520E-08	2.77YrCancerRMP_Inh	1.92010E-05	0.000E+00
454	ALL	417637.23	3727416.59	9.06917E-05	3.30170E-08	2.77YrCancerRMP_Inh	1.81380E-05	0.000E+00
455	ALL	417673.91	3727444.22	8.66951E-05	3.15620E-08	2.77YrCancerRMP_Inh	1.73390E-05	0.000E+00
456	ALL	417686.29	3727474.71	9.11086E-05	3.31690E-08	2.77YrCancerRMP_Inh	1.82220E-05	0.000E+00
457	ALL	417698.67	3727505.20	9.65186E-05	3.51380E-08	2.77YrCancerRMP_Inh	1.93040E-05	0.000E+00
458	ALL	417711.06	3727535.69	1.02910E-04	3.74650E-08	2.77YrCancerRMP_Inh	2.05820E-05	0.000E+00
459	ALL	417723.44	3727566.19	1.10558E-04	4.02490E-08	2.77YrCancerRMP_Inh	2.21120E-05	0.000E+00
460	ALL	417735.82	3727596.68	1.19885E-04	4.36450E-08	2.77YrCancerRMP_Inh	2.39770E-05	0.000E+00
461	ALL	417451.77	3727348.66	1.15912E-04	4.21980E-08	2.77YrCancerRMP_Inh	2.31820E-05	0.000E+00
462	ALL	417416.20	3727349.14	1.22634E-04	4.46460E-08	2.77YrCancerRMP_Inh	2.45270E-05	0.000E+00
463	ALL	417380.63	3727349.61	1.33494E-04	4.85990E-08	2.77YrCancerRMP_Inh	2.66990E-05	0.000E+00
464	ALL	417345.05	3727350.09	1.57618E-04	5.73820E-08	2.77YrCancerRMP_Inh	3.15240E-05	0.000E+00
465	ALL	417485.14	3727317.47	1.28682E-04	4.68470E-08	2.77YrCancerRMP_Inh	2.57360E-05	0.000E+00
466	ALL	417517.31	3727330.54	1.12817E-04	4.10720E-08	2.77YrCancerRMP_Inh	2.25630E-05	0.000E+00
467	ALL	417549.48	3727343.62	1.03280E-04	3.76000E-08	2.77YrCancerRMP_Inh	2.06560E-05	0.000E+00
468	ALL	417581.65	3727356.70	9.60376E-05	3.49630E-08	2.77YrCancerRMP_Inh	1.92080E-05	0.000E+00
469	ALL	417613.82	3727369.77	8.96316E-05	3.26310E-08	2.77YrCancerRMP_Inh	1.79260E-05	0.000E+00
470	ALL	417645.99	3727382.85	8.35251E-05	3.04080E-08	2.77YrCancerRMP_Inh	1.67050E-05	0.000E+00
471	ALL	417678.15	3727395.93	7.75846E-05	2.82450E-08	2.77YrCancerRMP_Inh	1.55170E-05	0.000E+00
472	ALL	417700.77	3727418.55	7.48618E-05	2.72540E-08	2.77YrCancerRMP_Inh	1.49720E-05	0.000E+00
473	ALL	417713.84	3727450.73	7.66733E-05	2.79130E-08	2.77YrCancerRMP_Inh	1.53350E-05	0.000E+00
474	ALL	417726.90	3727482.90	7.97598E-05	2.90370E-08	2.77YrCancerRMP_Inh	1.59520E-05	0.000E+00
475	ALL	417739.97	3727515.07	8.38027E-05	3.05090E-08	2.77YrCancerRMP_Inh	1.67610E-05	0.000E+00
476	ALL	417753.04	3727547.25	8.88194E-05	3.23350E-08	2.77YrCancerRMP_Inh	1.77640E-05	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	-0.25 to 2.52 Year SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
477	ALL	417766.10	3727579.42	9.50247E-05	3.45940E-08	2.77YrCancerRMP_Inh	1.90050E-05	0.000E+00
478	ALL	417451.27	3727311.17	1.45656E-04	5.30270E-08	2.77YrCancerRMP_Inh	2.91310E-05	0.000E+00
479	ALL	417415.70	3727311.64	1.60927E-04	5.85860E-08	2.77YrCancerRMP_Inh	3.21850E-05	0.000E+00
480	ALL	417380.13	3727312.12	1.54106E-04	5.61030E-08	2.77YrCancerRMP_Inh	3.08210E-05	0.000E+00
481	ALL	417344.55	3727312.59	1.27140E-04	4.62860E-08	2.77YrCancerRMP_Inh	2.54280E-05	0.000E+00
482	ALL	417484.32	3727279.84	1.13859E-04	4.14510E-08	2.77YrCancerRMP_Inh	2.27720E-05	0.000E+00
483	ALL	417515.84	3727292.65	1.14699E-04	4.17570E-08	2.77YrCancerRMP_Inh	2.29400E-05	0.000E+00
484	ALL	417547.37	3727305.47	1.52760E-04	5.56130E-08	2.77YrCancerRMP_Inh	3.05520E-05	0.000E+00
485	ALL	417578.90	3727318.29	1.17719E-04	4.28560E-08	2.77YrCancerRMP_Inh	2.35440E-05	0.000E+00
486	ALL	417610.42	3727331.10	1.00182E-04	3.64720E-08	2.77YrCancerRMP_Inh	2.00360E-05	0.000E+00
487	ALL	417641.95	3727343.92	8.87522E-05	3.23110E-08	2.77YrCancerRMP_Inh	1.77500E-05	0.000E+00
488	ALL	417673.47	3727356.73	8.00827E-05	2.91550E-08	2.77YrCancerRMP_Inh	1.60170E-05	0.000E+00
489	ALL	417705.00	3727369.55	7.28939E-05	2.65370E-08	2.77YrCancerRMP_Inh	1.45790E-05	0.000E+00
490	ALL	417727.16	3727391.72	6.79427E-05	2.47350E-08	2.77YrCancerRMP_Inh	1.35890E-05	0.000E+00
491	ALL	417739.97	3727423.25	6.69123E-05	2.43600E-08	2.77YrCancerRMP_Inh	1.33820E-05	0.000E+00
492	ALL	417752.77	3727454.78	6.77318E-05	2.46580E-08	2.77YrCancerRMP_Inh	1.35460E-05	0.000E+00
493	ALL	417765.58	3727486.31	6.96588E-05	2.53600E-08	2.77YrCancerRMP_Inh	1.39320E-05	0.000E+00
494	ALL	417778.38	3727517.84	7.24208E-05	2.63650E-08	2.77YrCancerRMP_Inh	1.44840E-05	0.000E+00
495	ALL	417791.19	3727549.37	7.59782E-05	2.76600E-08	2.77YrCancerRMP_Inh	1.51960E-05	0.000E+00
496	ALL	417803.99	3727580.90	8.04419E-05	2.92850E-08	2.77YrCancerRMP_Inh	1.60880E-05	0.000E+00
497	ALL	417450.77	3727273.67	9.66927E-05	3.52020E-08	2.77YrCancerRMP_Inh	1.93390E-05	0.000E+00
498	ALL	417415.20	3727274.14	9.28059E-05	3.37870E-08	2.77YrCancerRMP_Inh	1.85610E-05	0.000E+00
499	ALL	417379.63	3727274.62	8.72832E-05	3.17760E-08	2.77YrCancerRMP_Inh	1.74570E-05	0.000E+00
500	ALL	417344.05	3727275.09	8.21492E-05	2.99070E-08	2.77YrCancerRMP_Inh	1.64300E-05	0.000E+00
501	ALL	417484.48	3727242.61	6.23460E-05	2.26970E-08	2.77YrCancerRMP_Inh	1.24690E-05	0.000E+00
502	ALL	417517.33	3727255.97	7.06134E-05	2.57070E-08	2.77YrCancerRMP_Inh	1.41230E-05	0.000E+00
503	ALL	417550.18	3727269.32	8.49789E-05	3.09370E-08	2.77YrCancerRMP_Inh	1.69960E-05	0.000E+00
504	ALL	417583.03	3727282.67	1.17661E-04	4.28350E-08	2.77YrCancerRMP_Inh	2.35320E-05	0.000E+00
505	ALL	417615.88	3727296.03	1.07113E-04	3.89950E-08	2.77YrCancerRMP_Inh	2.14230E-05	0.000E+00
506	ALL	417648.73	3727309.38	1.25157E-04	4.55640E-08	2.77YrCancerRMP_Inh	2.50310E-05	0.000E+00
507	ALL	417681.58	3727322.74	9.68873E-05	3.52720E-08	2.77YrCancerRMP_Inh	1.93770E-05	0.000E+00
508	ALL	417714.43	3727336.09	8.14493E-05	2.96520E-08	2.77YrCancerRMP_Inh	1.62900E-05	0.000E+00
509	ALL	417753.95	3727365.87	6.58063E-05	2.39570E-08	2.77YrCancerRMP_Inh	1.31610E-05	0.000E+00
510	ALL	417767.29	3727398.72	6.10764E-05	2.22350E-08	2.77YrCancerRMP_Inh	1.22150E-05	0.000E+00
511	ALL	417780.64	3727431.58	5.97936E-05	2.17680E-08	2.77YrCancerRMP_Inh	1.19590E-05	0.000E+00
512	ALL	417793.98	3727464.43	6.02063E-05	2.19180E-08	2.77YrCancerRMP_Inh	1.20410E-05	0.000E+00
513	ALL	417807.32	3727497.29	6.16480E-05	2.24430E-08	2.77YrCancerRMP_Inh	1.23300E-05	0.000E+00
514	ALL	417820.67	3727530.14	6.38654E-05	2.32510E-08	2.77YrCancerRMP_Inh	1.27730E-05	0.000E+00
515	ALL	417834.01	3727563.00	6.68387E-05	2.43330E-08	2.77YrCancerRMP_Inh	1.33680E-05	0.000E+00
516	ALL	417847.35	3727595.85	7.06309E-05	2.57140E-08	2.77YrCancerRMP_Inh	1.41260E-05	0.000E+00
517	ALL	417450.27	3727236.17	5.97288E-05	2.17450E-08	2.77YrCancerRMP_Inh	1.19460E-05	0.000E+00
518	ALL	417414.70	3727236.65	6.01707E-05	2.19060E-08	2.77YrCancerRMP_Inh	1.20340E-05	0.000E+00
519	ALL	417379.12	3727237.12	6.01049E-05	2.18820E-08	2.77YrCancerRMP_Inh	1.20210E-05	0.000E+00
520	ALL	417343.55	3727237.60	5.98893E-05	2.18030E-08	2.77YrCancerRMP_Inh	1.19780E-05	0.000E+00
521	ALL	417483.67	3727204.99	4.75705E-05	1.73180E-08	2.77YrCancerRMP_Inh	9.51410E-06	0.000E+00
522	ALL	417515.91	3727218.09	5.04497E-05	1.83670E-08	2.77YrCancerRMP_Inh	1.00900E-05	0.000E+00
523	ALL	417548.15	3727231.20	5.38552E-05	1.96060E-08	2.77YrCancerRMP_Inh	1.07710E-05	0.000E+00
524	ALL	417580.38	3727244.30	5.84315E-05	2.12720E-08	2.77YrCancerRMP_Inh	1.16860E-05	0.000E+00
525	ALL	417612.62	3727257.41	6.58859E-05	2.39860E-08	2.77YrCancerRMP_Inh	1.31770E-05	0.000E+00
526	ALL	417644.86	3727270.51	8.07618E-05	2.94020E-08	2.77YrCancerRMP_Inh	1.61520E-05	0.000E+00
527	ALL	417677.09	3727283.62	1.02753E-04	3.74080E-08	2.77YrCancerRMP_Inh	2.05510E-05	0.000E+00
528	ALL	417709.33	3727296.72	9.78661E-05	3.56290E-08	2.77YrCancerRMP_Inh	1.95730E-05	0.000E+00
529	ALL	417741.57	3727309.83	1.09329E-04	3.98020E-08	2.77YrCancerRMP_Inh	2.18660E-05	0.000E+00
530	ALL	417780.35	3727339.05	7.10007E-05	2.58480E-08	2.77YrCancerRMP_Inh	1.42000E-05	0.000E+00
531	ALL	417793.44	3727371.29	5.93449E-05	2.16050E-08	2.77YrCancerRMP_Inh	1.18690E-05	0.000E+00
532	ALL	417806.54	3727403.53	5.49546E-05	2.00070E-08	2.77YrCancerRMP_Inh	1.09910E-05	0.000E+00
533	ALL	417819.63	3727435.77	5.35057E-05	1.94790E-08	2.77YrCancerRMP_Inh	1.07010E-05	0.000E+00
534	ALL	417832.72	3727468.01	5.35229E-05	1.94850E-08	2.77YrCancerRMP_Inh	1.07050E-05	0.000E+00
535	ALL	417845.82	3727500.26	5.44283E-05	1.98150E-08	2.77YrCancerRMP_Inh	1.08860E-05	0.000E+00
536	ALL	417858.91	3727532.50	5.59998E-05	2.03870E-08	2.77YrCancerRMP_Inh	1.12000E-05	0.000E+00
537	ALL	417872.00	3727564.74	5.81829E-05	2.11820E-08	2.77YrCancerRMP_Inh	1.16370E-05	0.000E+00
538	ALL	417449.77	3727198.68	4.66788E-05	1.69940E-08	2.77YrCancerRMP_Inh	9.33580E-06	0.000E+00
539	ALL	417414.20	3727199.15	4.73343E-05	1.72320E-08	2.77YrCancerRMP_Inh	9.46690E-06	0.000E+00
540	ALL	417378.62	3727199.63	4.77614E-05	1.73880E-08	2.77YrCancerRMP_Inh	9.55230E-06	0.000E+00
541	ALL	417343.05	3727200.10	4.80598E-05	1.74960E-08	2.77YrCancerRMP_Inh	9.61200E-06	0.000E+00
542	ALL	417482.92	3727167.39	3.92703E-05	1.42970E-08	2.77YrCancerRMP_Inh	7.85410E-06	0.000E+00
543	ALL	417514.66	3727180.30	4.08929E-05	1.48870E-08	2.77YrCancerRMP_Inh	8.17860E-06	0.000E+00
544	ALL	417546.40	3727193.20	4.25190E-05	1.54790E-08	2.77YrCancerRMP_Inh	8.50380E-06	0.000E+00
545	ALL	417578.14	3727206.10	4.42108E-05	1.60950E-08	2.77YrCancerRMP_Inh	8.84220E-06	0.000E+00
546	ALL	417609.88	3727219.00	4.61298E-05	1.67940E-08	2.77YrCancerRMP_Inh	9.22600E-06	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	-0.25 to 2.52 Year SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
547	ALL	417641.62	3727231.91	4.86514E-05	1.77120E-08	2.77YrCancerRMP_Inh	9.73030E-06	0.000E+00
548	ALL	417673.36	3727244.81	5.25818E-05	1.91430E-08	2.77YrCancerRMP_Inh	1.05160E-05	0.000E+00
549	ALL	417705.10	3727257.71	5.98393E-05	2.17850E-08	2.77YrCancerRMP_Inh	1.19680E-05	0.000E+00
550	ALL	417736.84	3727270.61	7.54440E-05	2.74660E-08	2.77YrCancerRMP_Inh	1.50890E-05	0.000E+00
551	ALL	417768.58	3727283.52	8.13171E-05	2.96040E-08	2.77YrCancerRMP_Inh	1.62630E-05	0.000E+00
552	ALL	417806.77	3727312.29	9.57051E-05	3.48420E-08	2.77YrCancerRMP_Inh	1.91410E-05	0.000E+00
553	ALL	417819.66	3727344.04	6.35652E-05	2.31410E-08	2.77YrCancerRMP_Inh	1.27130E-05	0.000E+00
554	ALL	417832.55	3727375.78	5.33894E-05	1.94370E-08	2.77YrCancerRMP_Inh	1.06780E-05	0.000E+00
555	ALL	417845.44	3727407.52	4.94062E-05	1.79870E-08	2.77YrCancerRMP_Inh	9.88120E-06	0.000E+00
556	ALL	417858.34	3727439.27	4.79387E-05	1.74520E-08	2.77YrCancerRMP_Inh	9.58770E-06	0.000E+00
557	ALL	417871.23	3727471.01	4.77218E-05	1.73730E-08	2.77YrCancerRMP_Inh	9.54440E-06	0.000E+00
558	ALL	417884.12	3727502.76	4.82688E-05	1.75730E-08	2.77YrCancerRMP_Inh	9.65380E-06	0.000E+00
559	ALL	417449.27	3727161.18	3.88184E-05	1.41320E-08	2.77YrCancerRMP_Inh	7.76370E-06	0.000E+00
560	ALL	417413.70	3727161.65	3.93978E-05	1.43430E-08	2.77YrCancerRMP_Inh	7.87960E-06	0.000E+00
561	ALL	417378.12	3727162.13	3.98329E-05	1.45010E-08	2.77YrCancerRMP_Inh	7.96660E-06	0.000E+00
562	ALL	417342.55	3727162.60	4.01683E-05	1.46240E-08	2.77YrCancerRMP_Inh	8.03370E-06	0.000E+00
563	ALL	417482.93	3727130.10	3.35254E-05	1.22050E-08	2.77YrCancerRMP_Inh	6.70510E-06	0.000E+00
564	ALL	417515.68	3727143.42	3.46800E-05	1.26250E-08	2.77YrCancerRMP_Inh	6.93600E-06	0.000E+00
565	ALL	417548.44	3727156.73	3.57560E-05	1.30170E-08	2.77YrCancerRMP_Inh	7.15120E-06	0.000E+00
566	ALL	417581.19	3727170.05	3.67463E-05	1.33780E-08	2.77YrCancerRMP_Inh	7.34930E-06	0.000E+00
567	ALL	417613.95	3727183.36	3.76593E-05	1.37100E-08	2.77YrCancerRMP_Inh	7.53190E-06	0.000E+00
568	ALL	417646.70	3727196.68	3.85701E-05	1.40420E-08	2.77YrCancerRMP_Inh	7.71400E-06	0.000E+00
569	ALL	417679.45	3727209.99	3.96213E-05	1.44240E-08	2.77YrCancerRMP_Inh	7.92430E-06	0.000E+00
570	ALL	417712.21	3727223.31	4.11026E-05	1.49640E-08	2.77YrCancerRMP_Inh	8.22050E-06	0.000E+00
571	ALL	417744.96	3727236.62	4.35702E-05	1.58620E-08	2.77YrCancerRMP_Inh	8.71400E-06	0.000E+00
572	ALL	417777.71	3727249.93	4.82077E-05	1.75500E-08	2.77YrCancerRMP_Inh	9.64150E-06	0.000E+00
573	ALL	417810.47	3727263.25	5.77284E-05	2.10160E-08	2.77YrCancerRMP_Inh	1.15460E-05	0.000E+00
574	ALL	417833.50	3727286.29	7.86684E-05	2.86400E-08	2.77YrCancerRMP_Inh	1.57340E-05	0.000E+00
575	ALL	417846.80	3727319.04	7.89804E-05	2.87530E-08	2.77YrCancerRMP_Inh	1.57960E-05	0.000E+00
576	ALL	417860.10	3727351.80	5.46085E-05	1.98810E-08	2.77YrCancerRMP_Inh	1.09220E-05	0.000E+00
577	ALL	417873.41	3727384.56	4.68003E-05	1.70380E-08	2.77YrCancerRMP_Inh	9.36010E-06	0.000E+00
578	ALL	417886.71	3727417.32	4.37400E-05	1.59240E-08	2.77YrCancerRMP_Inh	8.74800E-06	0.000E+00
579	ALL	417939.92	3727548.35	4.40706E-05	1.60440E-08	2.77YrCancerRMP_Inh	8.81410E-06	0.000E+00
580	ALL	417953.23	3727581.11	4.54660E-05	1.65520E-08	2.77YrCancerRMP_Inh	9.09320E-06	0.000E+00
581	ALL	417448.77	3727123.68	3.32202E-05	1.20940E-08	2.77YrCancerRMP_Inh	6.64400E-06	0.000E+00
582	ALL	417413.20	3727124.16	3.37052E-05	1.22710E-08	2.77YrCancerRMP_Inh	6.74100E-06	0.000E+00
583	ALL	417377.62	3727124.63	3.40834E-05	1.24080E-08	2.77YrCancerRMP_Inh	6.81670E-06	0.000E+00
584	ALL	417342.05	3727125.11	3.43876E-05	1.25190E-08	2.77YrCancerRMP_Inh	6.87750E-06	0.000E+00
585	ALL	417481.23	3727029.96	2.37678E-05	8.65280E-09	2.77YrCancerRMP_Inh	4.75360E-06	0.000E+00
586	ALL	417513.26	3727042.98	2.43502E-05	8.86480E-09	2.77YrCancerRMP_Inh	4.87000E-06	0.000E+00
587	ALL	417545.28	3727056.00	2.48761E-05	9.05630E-09	2.77YrCancerRMP_Inh	4.97520E-06	0.000E+00
588	ALL	417577.31	3727069.02	2.53234E-05	9.21910E-09	2.77YrCancerRMP_Inh	5.06470E-06	0.000E+00
589	ALL	417609.33	3727082.04	2.56748E-05	9.34710E-09	2.77YrCancerRMP_Inh	5.13500E-06	0.000E+00
590	ALL	417641.36	3727095.06	2.59124E-05	9.43360E-09	2.77YrCancerRMP_Inh	5.18250E-06	0.000E+00
591	ALL	417673.39	3727108.08	2.60266E-05	9.47520E-09	2.77YrCancerRMP_Inh	5.20530E-06	0.000E+00
592	ALL	417705.41	3727121.10	2.60168E-05	9.47160E-09	2.77YrCancerRMP_Inh	5.20340E-06	0.000E+00
593	ALL	417737.44	3727134.11	2.58857E-05	9.42390E-09	2.77YrCancerRMP_Inh	5.17710E-06	0.000E+00
594	ALL	417769.46	3727147.13	2.56480E-05	9.33730E-09	2.77YrCancerRMP_Inh	5.12960E-06	0.000E+00
595	ALL	417801.49	3727160.15	2.53075E-05	9.21340E-09	2.77YrCancerRMP_Inh	5.06150E-06	0.000E+00
596	ALL	417833.51	3727173.17	2.48638E-05	9.05180E-09	2.77YrCancerRMP_Inh	4.97280E-06	0.000E+00
597	ALL	417865.54	3727186.19	2.42743E-05	8.83720E-09	2.77YrCancerRMP_Inh	4.85490E-06	0.000E+00
598	ALL	417930.09	3727279.28	3.03011E-05	1.10310E-08	2.77YrCancerRMP_Inh	6.06020E-06	0.000E+00
599	ALL	417943.09	3727311.31	3.06171E-05	1.11460E-08	2.77YrCancerRMP_Inh	6.12340E-06	0.000E+00
600	ALL	417956.10	3727343.34	3.01094E-05	1.09620E-08	2.77YrCancerRMP_Inh	6.02190E-06	0.000E+00
601	ALL	417969.11	3727375.37	2.98282E-05	1.08590E-08	2.77YrCancerRMP_Inh	5.96560E-06	0.000E+00
602	ALL	417982.12	3727407.40	2.97747E-05	1.08400E-08	2.77YrCancerRMP_Inh	5.95490E-06	0.000E+00
603	ALL	417995.13	3727439.43	2.99396E-05	1.09000E-08	2.77YrCancerRMP_Inh	5.98790E-06	0.000E+00
604	ALL	418008.13	3727471.46	3.02969E-05	1.10300E-08	2.77YrCancerRMP_Inh	6.05940E-06	0.000E+00
605	ALL	418021.14	3727503.50	3.08280E-05	1.12230E-08	2.77YrCancerRMP_Inh	6.16560E-06	0.000E+00
606	ALL	418034.15	3727535.53	3.15346E-05	1.14800E-08	2.77YrCancerRMP_Inh	6.30690E-06	0.000E+00
607	ALL	418047.16	3727567.56	3.24209E-05	1.18030E-08	2.77YrCancerRMP_Inh	6.48420E-06	0.000E+00
608	ALL	418060.17	3727599.59	3.35020E-05	1.21970E-08	2.77YrCancerRMP_Inh	6.70040E-06	0.000E+00
609	ALL	417447.43	3727023.69	2.36387E-05	8.60580E-09	2.77YrCancerRMP_Inh	4.72770E-06	0.000E+00
610	ALL	417411.86	3727024.17	2.39425E-05	8.71640E-09	2.77YrCancerRMP_Inh	4.78850E-06	0.000E+00
611	ALL	417376.29	3727024.64	2.41907E-05	8.80680E-09	2.77YrCancerRMP_Inh	4.83810E-06	0.000E+00
612	ALL	417480.15	3726930.08	1.80648E-05	6.57660E-09	2.77YrCancerRMP_Inh	3.61300E-06	0.000E+00
613	ALL	417512.70	3726943.31	1.84253E-05	6.70790E-09	2.77YrCancerRMP_Inh	3.68510E-06	0.000E+00
614	ALL	417545.24	3726956.53	1.87555E-05	6.82810E-09	2.77YrCancerRMP_Inh	3.75110E-06	0.000E+00
615	ALL	417577.78	3726969.76	1.90409E-05	6.93190E-09	2.77YrCancerRMP_Inh	3.80820E-06	0.000E+00
616	ALL	417610.32	3726982.99	1.92739E-05	7.01680E-09	2.77YrCancerRMP_Inh	3.85480E-06	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	-0.25 to 2.52 Year SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
617	ALL	417642.87	3726996.22	1.94351E-05	7.07550E-09	2.77YrCancerRMP_Inh	3.88700E-06	0.000E+00
618	ALL	417675.41	3727009.45	1.95198E-05	7.10630E-09	2.77YrCancerRMP_Inh	3.90400E-06	0.000E+00
619	ALL	417707.95	3727022.68	1.95177E-05	7.10560E-09	2.77YrCancerRMP_Inh	3.90350E-06	0.000E+00
620	ALL	417740.49	3727035.91	1.94238E-05	7.07140E-09	2.77YrCancerRMP_Inh	3.88480E-06	0.000E+00
621	ALL	417773.04	3727049.14	1.92403E-05	7.00450E-09	2.77YrCancerRMP_Inh	3.84810E-06	0.000E+00
622	ALL	417805.58	3727062.37	1.89700E-05	6.90620E-09	2.77YrCancerRMP_Inh	3.79400E-06	0.000E+00
623	ALL	417838.12	3727075.59	1.86212E-05	6.77920E-09	2.77YrCancerRMP_Inh	3.72420E-06	0.000E+00
624	ALL	417870.66	3727088.82	1.82021E-05	6.62660E-09	2.77YrCancerRMP_Inh	3.64040E-06	0.000E+00
625	ALL	417935.75	3727115.28	1.71792E-05	6.25420E-09	2.77YrCancerRMP_Inh	3.43580E-06	0.000E+00
626	ALL	417974.90	3727144.78	1.69226E-05	6.16080E-09	2.77YrCancerRMP_Inh	3.38450E-06	0.000E+00
627	ALL	417988.12	3727177.33	1.75754E-05	6.39840E-09	2.77YrCancerRMP_Inh	3.51510E-06	0.000E+00
628	ALL	418001.33	3727209.88	1.82229E-05	6.63420E-09	2.77YrCancerRMP_Inh	3.64460E-06	0.000E+00
629	ALL	418014.55	3727242.42	1.88208E-05	6.85180E-09	2.77YrCancerRMP_Inh	3.76420E-06	0.000E+00
630	ALL	418027.77	3727274.97	1.94481E-05	7.08020E-09	2.77YrCancerRMP_Inh	3.88960E-06	0.000E+00
631	ALL	418040.99	3727307.52	2.00993E-05	7.31730E-09	2.77YrCancerRMP_Inh	4.01990E-06	0.000E+00
632	ALL	418054.20	3727340.06	2.07042E-05	7.53750E-09	2.77YrCancerRMP_Inh	4.14080E-06	0.000E+00
633	ALL	418067.42	3727372.61	2.12362E-05	7.73120E-09	2.77YrCancerRMP_Inh	4.24720E-06	0.000E+00
634	ALL	418080.64	3727405.16	2.17225E-05	7.90820E-09	2.77YrCancerRMP_Inh	4.34450E-06	0.000E+00
635	ALL	418093.86	3727437.70	2.21983E-05	8.08140E-09	2.77YrCancerRMP_Inh	4.43970E-06	0.000E+00
636	ALL	418107.08	3727470.25	2.26953E-05	8.26240E-09	2.77YrCancerRMP_Inh	4.53910E-06	0.000E+00
637	ALL	418120.29	3727502.80	2.32375E-05	8.45980E-09	2.77YrCancerRMP_Inh	4.64750E-06	0.000E+00
638	ALL	418133.51	3727535.34	2.38209E-05	8.67220E-09	2.77YrCancerRMP_Inh	4.76420E-06	0.000E+00
639	ALL	418146.73	3727567.89	2.44737E-05	8.90980E-09	2.77YrCancerRMP_Inh	4.89470E-06	0.000E+00
640	ALL	418159.95	3727600.44	2.52149E-05	9.17960E-09	2.77YrCancerRMP_Inh	5.04300E-06	0.000E+00
641	ALL	417446.10	3726923.70	1.79920E-05	6.55010E-09	2.77YrCancerRMP_Inh	3.59840E-06	0.000E+00
642	ALL	417410.52	3726924.17	1.81957E-05	6.62430E-09	2.77YrCancerRMP_Inh	3.63910E-06	0.000E+00
643	ALL	417374.95	3726924.65	1.83699E-05	6.68770E-09	2.77YrCancerRMP_Inh	3.67400E-06	0.000E+00
644	ALL	417339.38	3726925.12	1.85147E-05	6.74040E-09	2.77YrCancerRMP_Inh	3.70290E-06	0.000E+00
645	ALL	417276.26	3727615.31	9.50241E-04	3.45940E-07	2.77YrCancerRMP_Inh	1.90050E-04	0.000E+00
646	ALL	417272.75	3727648.87	1.04422E-03	3.80150E-07	2.77YrCancerRMP_Inh	2.08840E-04	0.000E+00
647	ALL	417274.34	3727667.30	1.12204E-03	4.08490E-07	2.77YrCancerRMP_Inh	2.24410E-04	0.000E+00
648	ALL	417275.93	3727685.72	1.18631E-03	4.31880E-07	2.77YrCancerRMP_Inh	2.37260E-04	0.000E+00
649	ALL	417277.51	3727704.14	1.22937E-03	4.47560E-07	2.77YrCancerRMP_Inh	2.45870E-04	0.000E+00
650	ALL	417279.10	3727722.56	1.24603E-03	4.53620E-07	2.77YrCancerRMP_Inh	2.49210E-04	0.000E+00
651	ALL	417280.69	3727740.98	1.23286E-03	4.48830E-07	2.77YrCancerRMP_Inh	2.46570E-04	0.000E+00
652	ALL	417282.28	3727759.41	1.18848E-03	4.32670E-07	2.77YrCancerRMP_Inh	2.37700E-04	0.000E+00
653	ALL	417283.87	3727777.83	1.11548E-03	4.06100E-07	2.77YrCancerRMP_Inh	2.23100E-04	0.000E+00
654	ALL	417285.45	3727796.25	1.02466E-03	3.73040E-07	2.77YrCancerRMP_Inh	2.04930E-04	0.000E+00
655	ALL	417256.33	3727617.03	7.34926E-04	2.67550E-07	2.77YrCancerRMP_Inh	1.46990E-04	0.000E+00
656	ALL	417266.53	3727586.75	6.75412E-04	2.45890E-07	2.77YrCancerRMP_Inh	1.35080E-04	0.000E+00
657	ALL	417286.19	3727565.03	6.71507E-04	2.44470E-07	2.77YrCancerRMP_Inh	1.34300E-04	0.000E+00
658	ALL	417252.82	3727650.59	7.82857E-04	2.85000E-07	2.77YrCancerRMP_Inh	1.56570E-04	0.000E+00
659	ALL	417254.41	3727669.01	8.25594E-04	3.00560E-07	2.77YrCancerRMP_Inh	1.65120E-04	0.000E+00
660	ALL	417256.00	3727687.44	8.59878E-04	3.13040E-07	2.77YrCancerRMP_Inh	1.71980E-04	0.000E+00
661	ALL	417257.59	3727705.86	8.82075E-04	3.21130E-07	2.77YrCancerRMP_Inh	1.76420E-04	0.000E+00
662	ALL	417259.18	3727724.28	8.88074E-04	3.23310E-07	2.77YrCancerRMP_Inh	1.77610E-04	0.000E+00
663	ALL	417260.76	3727742.70	8.75273E-04	3.18650E-07	2.77YrCancerRMP_Inh	1.75050E-04	0.000E+00
664	ALL	417262.35	3727761.12	8.43943E-04	3.07240E-07	2.77YrCancerRMP_Inh	1.68790E-04	0.000E+00
665	ALL	417263.94	3727779.55	7.97440E-04	2.90310E-07	2.77YrCancerRMP_Inh	1.59490E-04	0.000E+00
666	ALL	417265.53	3727797.97	7.43253E-04	2.70590E-07	2.77YrCancerRMP_Inh	1.48650E-04	0.000E+00
667	ALL	417236.41	3727618.75	5.87783E-04	2.13990E-07	2.77YrCancerRMP_Inh	1.17560E-04	0.000E+00
668	ALL	417246.61	3727588.47	5.61491E-04	2.04410E-07	2.77YrCancerRMP_Inh	1.12300E-04	0.000E+00
669	ALL	417271.37	3727551.61	5.15279E-04	1.87590E-07	2.77YrCancerRMP_Inh	1.03060E-04	0.000E+00
670	ALL	417232.90	3727652.31	6.10588E-04	2.22290E-07	2.77YrCancerRMP_Inh	1.22120E-04	0.000E+00
671	ALL	417234.49	3727670.73	6.34183E-04	2.30880E-07	2.77YrCancerRMP_Inh	1.26840E-04	0.000E+00
672	ALL	417236.07	3727689.15	6.51616E-04	2.37230E-07	2.77YrCancerRMP_Inh	1.30320E-04	0.000E+00
673	ALL	417237.66	3727707.58	6.61739E-04	2.40910E-07	2.77YrCancerRMP_Inh	1.32350E-04	0.000E+00
674	ALL	417239.25	3727726.00	6.62246E-04	2.41090E-07	2.77YrCancerRMP_Inh	1.32450E-04	0.000E+00
675	ALL	417240.84	3727744.42	6.51660E-04	2.37240E-07	2.77YrCancerRMP_Inh	1.30330E-04	0.000E+00
676	ALL	417242.43	3727762.84	6.30346E-04	2.29480E-07	2.77YrCancerRMP_Inh	1.26070E-04	0.000E+00
677	ALL	417244.01	3727781.26	6.00848E-04	2.18740E-07	2.77YrCancerRMP_Inh	1.20170E-04	0.000E+00
678	ALL	417245.60	3727799.69	5.67475E-04	2.06590E-07	2.77YrCancerRMP_Inh	1.13490E-04	0.000E+00
679	ALL	417216.48	3727620.47	4.80434E-04	1.74900E-07	2.77YrCancerRMP_Inh	9.60870E-05	0.000E+00
680	ALL	417226.68	3727590.19	4.72034E-04	1.71850E-07	2.77YrCancerRMP_Inh	9.44070E-05	0.000E+00
681	ALL	417236.88	3727559.90	4.26786E-04	1.55370E-07	2.77YrCancerRMP_Inh	8.53570E-05	0.000E+00
682	ALL	417256.54	3727538.19	4.13273E-04	1.50450E-07	2.77YrCancerRMP_Inh	8.26550E-05	0.000E+00
683	ALL	417285.66	3727525.04	4.59711E-04	1.67360E-07	2.77YrCancerRMP_Inh	9.19420E-05	0.000E+00
684	ALL	417212.97	3727654.03	4.89189E-04	1.78090E-07	2.77YrCancerRMP_Inh	9.78380E-05	0.000E+00
685	ALL	417214.56	3727672.45	5.01936E-04	1.82730E-07	2.77YrCancerRMP_Inh	1.00390E-04	0.000E+00
686	ALL	417216.15	3727690.87	5.10082E-04	1.85700E-07	2.77YrCancerRMP_Inh	1.02020E-04	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	-0.25 to 2.52 Year SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
687	ALL	417217.74	3727709.29	5.13456E-04	1.86930E-07	2.77YrCancerRMP_Inh	1.02690E-04	0.000E+00
688	ALL	417219.32	3727727.72	5.11102E-04	1.86070E-07	2.77YrCancerRMP_Inh	1.02220E-04	0.000E+00
689	ALL	417220.91	3727746.14	5.02512E-04	1.82940E-07	2.77YrCancerRMP_Inh	1.00500E-04	0.000E+00
690	ALL	417222.50	3727764.56	4.87990E-04	1.77660E-07	2.77YrCancerRMP_Inh	9.75980E-05	0.000E+00
691	ALL	417224.09	3727782.98	4.69114E-04	1.70780E-07	2.77YrCancerRMP_Inh	9.38230E-05	0.000E+00
692	ALL	417225.68	3727801.40	4.48024E-04	1.63110E-07	2.77YrCancerRMP_Inh	8.96050E-05	0.000E+00
693	ALL	417196.56	3727622.18	3.99149E-04	1.45310E-07	2.77YrCancerRMP_Inh	7.98300E-05	0.000E+00
694	ALL	417206.76	3727591.90	4.00400E-04	1.45770E-07	2.77YrCancerRMP_Inh	8.00800E-05	0.000E+00
695	ALL	417216.95	3727561.62	3.74110E-04	1.36200E-07	2.77YrCancerRMP_Inh	7.48220E-05	0.000E+00
696	ALL	417241.71	3727524.77	3.41246E-04	1.24230E-07	2.77YrCancerRMP_Inh	6.82490E-05	0.000E+00
697	ALL	417270.83	3727511.62	3.64953E-04	1.32860E-07	2.77YrCancerRMP_Inh	7.29910E-05	0.000E+00
698	ALL	417193.05	3727655.75	4.00003E-04	1.45620E-07	2.77YrCancerRMP_Inh	8.00010E-05	0.000E+00
699	ALL	417194.63	3727674.17	4.06436E-04	1.47970E-07	2.77YrCancerRMP_Inh	8.12870E-05	0.000E+00
700	ALL	417196.22	3727692.59	4.09373E-04	1.49030E-07	2.77YrCancerRMP_Inh	8.18750E-05	0.000E+00
701	ALL	417197.81	3727711.01	4.09109E-04	1.48940E-07	2.77YrCancerRMP_Inh	8.18220E-05	0.000E+00
702	ALL	417199.40	3727729.43	4.05537E-04	1.47640E-07	2.77YrCancerRMP_Inh	8.11070E-05	0.000E+00
703	ALL	417200.99	3727747.86	3.98529E-04	1.45090E-07	2.77YrCancerRMP_Inh	7.97060E-05	0.000E+00
704	ALL	417202.57	3727766.28	3.88368E-04	1.41390E-07	2.77YrCancerRMP_Inh	7.76740E-05	0.000E+00
705	ALL	417204.16	3727784.70	3.75971E-04	1.36870E-07	2.77YrCancerRMP_Inh	7.51940E-05	0.000E+00
706	ALL	417205.75	3727803.12	3.62325E-04	1.31910E-07	2.77YrCancerRMP_Inh	7.24650E-05	0.000E+00
707	ALL	417177.36	3727621.74	3.37018E-04	1.22690E-07	2.77YrCancerRMP_Inh	6.74040E-05	0.000E+00
708	ALL	417183.19	3727604.44	3.42319E-04	1.24620E-07	2.77YrCancerRMP_Inh	6.84640E-05	0.000E+00
709	ALL	417189.01	3727587.13	3.41049E-04	1.24160E-07	2.77YrCancerRMP_Inh	6.82100E-05	0.000E+00
710	ALL	417194.84	3727569.83	3.32998E-04	1.21230E-07	2.77YrCancerRMP_Inh	6.66000E-05	0.000E+00
711	ALL	417200.67	3727552.53	3.18914E-04	1.16100E-07	2.77YrCancerRMP_Inh	6.37830E-05	0.000E+00
712	ALL	417206.50	3727535.22	3.00405E-04	1.09360E-07	2.77YrCancerRMP_Inh	6.00810E-05	0.000E+00
713	ALL	417228.96	3727510.40	2.88784E-04	1.05130E-07	2.77YrCancerRMP_Inh	5.77570E-05	0.000E+00
714	ALL	417245.60	3727502.89	2.96678E-04	1.08010E-07	2.77YrCancerRMP_Inh	5.93360E-05	0.000E+00
715	ALL	417262.24	3727495.37	3.05885E-04	1.11360E-07	2.77YrCancerRMP_Inh	6.11770E-05	0.000E+00
716	ALL	417278.88	3727487.86	3.25128E-04	1.18360E-07	2.77YrCancerRMP_Inh	6.50260E-05	0.000E+00
717	ALL	417171.53	3727639.04	3.26263E-04	1.18780E-07	2.77YrCancerRMP_Inh	6.52530E-05	0.000E+00
718	ALL	417173.12	3727657.46	3.32412E-04	1.21020E-07	2.77YrCancerRMP_Inh	6.64820E-05	0.000E+00
719	ALL	417174.71	3727675.89	3.35220E-04	1.22040E-07	2.77YrCancerRMP_Inh	6.70440E-05	0.000E+00
720	ALL	417176.30	3727694.31	3.35315E-04	1.22070E-07	2.77YrCancerRMP_Inh	6.70630E-05	0.000E+00
721	ALL	417177.88	3727712.73	3.33174E-04	1.21290E-07	2.77YrCancerRMP_Inh	6.66350E-05	0.000E+00
722	ALL	417179.47	3727731.15	3.29139E-04	1.19830E-07	2.77YrCancerRMP_Inh	6.58280E-05	0.000E+00
723	ALL	417181.06	3727749.57	3.23343E-04	1.17710E-07	2.77YrCancerRMP_Inh	6.46690E-05	0.000E+00
724	ALL	417182.65	3727768.00	3.16038E-04	1.15060E-07	2.77YrCancerRMP_Inh	6.32080E-05	0.000E+00
725	ALL	417184.24	3727786.42	3.07647E-04	1.12000E-07	2.77YrCancerRMP_Inh	6.15290E-05	0.000E+00
726	ALL	417185.82	3727804.84	2.98587E-04	1.08700E-07	2.77YrCancerRMP_Inh	5.97170E-05	0.000E+00
727	ALL	417157.34	3727623.73	2.86822E-04	1.04420E-07	2.77YrCancerRMP_Inh	5.73640E-05	0.000E+00
728	ALL	417168.82	3727589.66	2.94898E-04	1.07360E-07	2.77YrCancerRMP_Inh	5.89800E-05	0.000E+00
729	ALL	417180.29	3727555.60	2.83703E-04	1.03280E-07	2.77YrCancerRMP_Inh	5.67410E-05	0.000E+00
730	ALL	417191.76	3727521.53	2.56801E-04	9.34900E-08	2.77YrCancerRMP_Inh	5.13600E-05	0.000E+00
731	ALL	417213.88	3727497.10	2.47265E-04	9.00180E-08	2.77YrCancerRMP_Inh	4.94530E-05	0.000E+00
732	ALL	417246.64	3727482.30	2.58024E-04	9.39350E-08	2.77YrCancerRMP_Inh	5.16050E-05	0.000E+00
733	ALL	417279.40	3727467.51	2.87383E-04	1.04620E-07	2.77YrCancerRMP_Inh	5.74770E-05	0.000E+00
734	ALL	417153.19	3727659.18	2.80038E-04	1.01950E-07	2.77YrCancerRMP_Inh	5.60080E-05	0.000E+00
735	ALL	417154.78	3727677.60	2.80708E-04	1.02190E-07	2.77YrCancerRMP_Inh	5.61420E-05	0.000E+00
736	ALL	417156.37	3727696.02	2.79307E-04	1.01680E-07	2.77YrCancerRMP_Inh	5.58610E-05	0.000E+00
737	ALL	417157.96	3727714.45	2.76361E-04	1.00610E-07	2.77YrCancerRMP_Inh	5.52720E-05	0.000E+00
738	ALL	417159.55	3727732.87	2.72300E-04	9.91330E-08	2.77YrCancerRMP_Inh	5.44600E-05	0.000E+00
739	ALL	417161.13	3727751.29	2.67390E-04	9.73450E-08	2.77YrCancerRMP_Inh	5.34780E-05	0.000E+00
740	ALL	417162.72	3727769.71	2.61904E-04	9.53480E-08	2.77YrCancerRMP_Inh	5.23810E-05	0.000E+00
741	ALL	417164.31	3727788.13	2.56023E-04	9.32070E-08	2.77YrCancerRMP_Inh	5.12050E-05	0.000E+00
742	ALL	417165.90	3727806.56	2.49892E-04	9.09750E-08	2.77YrCancerRMP_Inh	4.99780E-05	0.000E+00
743	ALL	417137.34	3727625.65	2.46418E-04	8.97100E-08	2.77YrCancerRMP_Inh	4.92840E-05	0.000E+00
744	ALL	417148.68	3727592.01	2.56317E-04	9.33140E-08	2.77YrCancerRMP_Inh	5.12630E-05	0.000E+00
745	ALL	417160.01	3727558.36	2.52000E-04	9.17420E-08	2.77YrCancerRMP_Inh	5.04000E-05	0.000E+00
746	ALL	417171.34	3727524.72	2.34472E-04	8.53610E-08	2.77YrCancerRMP_Inh	4.68940E-05	0.000E+00
747	ALL	417198.85	3727483.77	2.14528E-04	7.81000E-08	2.77YrCancerRMP_Inh	4.29060E-05	0.000E+00
748	ALL	417231.20	3727469.16	2.22121E-04	8.08650E-08	2.77YrCancerRMP_Inh	4.44240E-05	0.000E+00
749	ALL	417263.56	3727454.54	2.35817E-04	8.58510E-08	2.77YrCancerRMP_Inh	4.71630E-05	0.000E+00
750	ALL	417133.27	3727660.90	2.38721E-04	8.69080E-08	2.77YrCancerRMP_Inh	4.77440E-05	0.000E+00
751	ALL	417134.85	3727679.32	2.38150E-04	8.67000E-08	2.77YrCancerRMP_Inh	4.76300E-05	0.000E+00
752	ALL	417136.44	3727697.74	2.36014E-04	8.59220E-08	2.77YrCancerRMP_Inh	4.72030E-05	0.000E+00
753	ALL	417138.03	3727716.16	2.32793E-04	8.47500E-08	2.77YrCancerRMP_Inh	4.65590E-05	0.000E+00
754	ALL	417139.62	3727734.59	2.28919E-04	8.33390E-08	2.77YrCancerRMP_Inh	4.57840E-05	0.000E+00
755	ALL	417141.21	3727753.01	2.24734E-04	8.18160E-08	2.77YrCancerRMP_Inh	4.49470E-05	0.000E+00
756	ALL	417142.79	3727771.43	2.20419E-04	8.02450E-08	2.77YrCancerRMP_Inh	4.40840E-05	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	-0.25 to 2.52 Year SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
757	ALL	417144.38	3727789.85	2.16124E-04	7.86810E-08	2.77YrCancerRMP_Inh	4.32250E-05	0.000E+00
758	ALL	417145.97	3727808.27	2.11852E-04	7.71260E-08	2.77YrCancerRMP_Inh	4.23700E-05	0.000E+00
759	ALL	417099.82	3727629.35	1.89473E-04	6.89790E-08	2.77YrCancerRMP_Inh	3.78950E-05	0.000E+00
760	ALL	417110.83	3727596.66	1.99862E-04	7.27610E-08	2.77YrCancerRMP_Inh	3.99720E-05	0.000E+00
761	ALL	417121.84	3727563.97	2.02304E-04	7.36500E-08	2.77YrCancerRMP_Inh	4.04610E-05	0.000E+00
762	ALL	417132.85	3727531.29	1.96094E-04	7.13890E-08	2.77YrCancerRMP_Inh	3.92190E-05	0.000E+00
763	ALL	417143.86	3727498.60	1.82803E-04	6.65510E-08	2.77YrCancerRMP_Inh	3.65610E-05	0.000E+00
764	ALL	417170.59	3727458.81	1.68941E-04	6.15040E-08	2.77YrCancerRMP_Inh	3.37880E-05	0.000E+00
765	ALL	417202.03	3727444.61	1.73617E-04	6.32060E-08	2.77YrCancerRMP_Inh	3.47230E-05	0.000E+00
766	ALL	417233.46	3727430.41	1.78334E-04	6.49240E-08	2.77YrCancerRMP_Inh	3.56670E-05	0.000E+00
767	ALL	417264.90	3727416.22	2.00807E-04	7.31050E-08	2.77YrCancerRMP_Inh	4.01610E-05	0.000E+00
768	ALL	417095.91	3727664.12	1.81783E-04	6.61790E-08	2.77YrCancerRMP_Inh	3.63570E-05	0.000E+00
769	ALL	417097.49	3727682.54	1.80234E-04	6.56150E-08	2.77YrCancerRMP_Inh	3.60470E-05	0.000E+00
770	ALL	417099.08	3727700.96	1.77742E-04	6.47080E-08	2.77YrCancerRMP_Inh	3.55480E-05	0.000E+00
771	ALL	417100.67	3727719.39	1.74658E-04	6.35850E-08	2.77YrCancerRMP_Inh	3.49320E-05	0.000E+00
772	ALL	417102.26	3727737.81	1.71355E-04	6.23830E-08	2.77YrCancerRMP_Inh	3.42710E-05	0.000E+00
773	ALL	417103.85	3727756.23	1.68116E-04	6.12040E-08	2.77YrCancerRMP_Inh	3.36230E-05	0.000E+00
774	ALL	417105.43	3727774.65	1.65114E-04	6.01110E-08	2.77YrCancerRMP_Inh	3.30230E-05	0.000E+00
775	ALL	417107.02	3727793.07	1.62443E-04	5.91380E-08	2.77YrCancerRMP_Inh	3.24890E-05	0.000E+00
776	ALL	417062.80	3727631.57	1.49875E-04	5.45630E-08	2.77YrCancerRMP_Inh	2.99750E-05	0.000E+00
777	ALL	417068.64	3727614.22	1.55355E-04	5.65580E-08	2.77YrCancerRMP_Inh	3.10710E-05	0.000E+00
778	ALL	417074.48	3727596.87	1.59657E-04	5.81240E-08	2.77YrCancerRMP_Inh	3.19310E-05	0.000E+00
779	ALL	417080.33	3727579.53	1.62554E-04	5.91790E-08	2.77YrCancerRMP_Inh	3.25110E-05	0.000E+00
780	ALL	417086.17	3727562.18	1.63868E-04	5.96570E-08	2.77YrCancerRMP_Inh	3.27740E-05	0.000E+00
781	ALL	417092.01	3727544.83	1.63538E-04	5.95370E-08	2.77YrCancerRMP_Inh	3.27080E-05	0.000E+00
782	ALL	417097.86	3727527.48	1.61604E-04	5.88330E-08	2.77YrCancerRMP_Inh	3.23210E-05	0.000E+00
783	ALL	417103.70	3727510.13	1.58180E-04	5.75860E-08	2.77YrCancerRMP_Inh	3.16360E-05	0.000E+00
784	ALL	417109.54	3727492.78	1.53478E-04	5.58750E-08	2.77YrCancerRMP_Inh	3.06960E-05	0.000E+00
785	ALL	417115.39	3727475.44	1.47758E-04	5.37920E-08	2.77YrCancerRMP_Inh	2.95520E-05	0.000E+00
786	ALL	417121.23	3727458.09	1.41252E-04	5.14240E-08	2.77YrCancerRMP_Inh	2.82500E-05	0.000E+00
787	ALL	417143.75	3727433.21	1.36932E-04	4.98510E-08	2.77YrCancerRMP_Inh	2.73860E-05	0.000E+00
788	ALL	417160.44	3727425.67	1.38889E-04	5.05630E-08	2.77YrCancerRMP_Inh	2.77780E-05	0.000E+00
789	ALL	417177.12	3727418.14	1.40207E-04	5.10430E-08	2.77YrCancerRMP_Inh	2.80410E-05	0.000E+00
790	ALL	417193.80	3727410.60	1.41232E-04	5.14160E-08	2.77YrCancerRMP_Inh	2.82460E-05	0.000E+00
791	ALL	417210.49	3727403.07	1.42784E-04	5.19810E-08	2.77YrCancerRMP_Inh	2.85570E-05	0.000E+00
792	ALL	417227.17	3727395.53	1.46596E-04	5.33690E-08	2.77YrCancerRMP_Inh	2.93190E-05	0.000E+00
793	ALL	417243.85	3727388.00	1.56738E-04	5.70610E-08	2.77YrCancerRMP_Inh	3.13480E-05	0.000E+00
794	ALL	417260.54	3727380.46	1.84056E-04	6.70070E-08	2.77YrCancerRMP_Inh	3.68110E-05	0.000E+00
795	ALL	417310.59	3727357.86	2.18358E-04	7.94950E-08	2.77YrCancerRMP_Inh	4.36720E-05	0.000E+00
796	ALL	417056.96	3727648.92	1.43488E-04	5.22380E-08	2.77YrCancerRMP_Inh	2.86980E-05	0.000E+00
797	ALL	417058.54	3727667.34	1.42562E-04	5.19010E-08	2.77YrCancerRMP_Inh	2.85120E-05	0.000E+00
798	ALL	417060.13	3727685.76	1.40829E-04	5.12700E-08	2.77YrCancerRMP_Inh	2.81660E-05	0.000E+00
799	ALL	417061.72	3727704.18	1.38506E-04	5.04240E-08	2.77YrCancerRMP_Inh	2.77010E-05	0.000E+00
800	ALL	417063.31	3727722.61	1.35848E-04	4.94560E-08	2.77YrCancerRMP_Inh	2.71700E-05	0.000E+00
801	ALL	417064.90	3727741.03	1.33120E-04	4.84630E-08	2.77YrCancerRMP_Inh	2.66240E-05	0.000E+00
802	ALL	417066.48	3727759.45	1.30535E-04	4.75220E-08	2.77YrCancerRMP_Inh	2.61070E-05	0.000E+00
803	ALL	417068.07	3727777.87	1.28261E-04	4.66940E-08	2.77YrCancerRMP_Inh	2.56520E-05	0.000E+00
804	ALL	417069.66	3727796.29	1.26362E-04	4.60030E-08	2.77YrCancerRMP_Inh	2.52720E-05	0.000E+00
805	ALL	417025.29	3727635.24	1.20728E-04	4.39520E-08	2.77YrCancerRMP_Inh	2.41460E-05	0.000E+00
806	ALL	417036.67	3727601.45	1.29126E-04	4.70090E-08	2.77YrCancerRMP_Inh	2.58250E-05	0.000E+00
807	ALL	417048.05	3727567.65	1.34256E-04	4.88770E-08	2.77YrCancerRMP_Inh	2.68510E-05	0.000E+00
808	ALL	417059.43	3727533.86	1.35311E-04	4.92610E-08	2.77YrCancerRMP_Inh	2.70620E-05	0.000E+00
809	ALL	417070.81	3727500.06	1.32201E-04	4.81290E-08	2.77YrCancerRMP_Inh	2.64400E-05	0.000E+00
810	ALL	417082.20	3727466.27	1.25569E-04	4.57140E-08	2.77YrCancerRMP_Inh	2.51140E-05	0.000E+00
811	ALL	417093.58	3727432.47	1.16421E-04	4.23840E-08	2.77YrCancerRMP_Inh	2.32840E-05	0.000E+00
812	ALL	417115.52	3727408.23	1.13193E-04	4.12080E-08	2.77YrCancerRMP_Inh	2.26390E-05	0.000E+00
813	ALL	417148.02	3727393.56	1.15483E-04	4.20420E-08	2.77YrCancerRMP_Inh	2.30970E-05	0.000E+00
814	ALL	417180.52	3727378.88	1.16488E-04	4.24080E-08	2.77YrCancerRMP_Inh	2.32980E-05	0.000E+00
815	ALL	417213.02	3727364.20	1.20695E-04	4.39400E-08	2.77YrCancerRMP_Inh	2.41390E-05	0.000E+00
816	ALL	417245.52	3727349.52	1.53237E-04	5.57870E-08	2.77YrCancerRMP_Inh	3.06470E-05	0.000E+00
817	ALL	417310.52	3727320.17	1.47424E-04	5.36700E-08	2.77YrCancerRMP_Inh	2.94850E-05	0.000E+00
818	ALL	417021.18	3727670.56	1.14582E-04	4.17140E-08	2.77YrCancerRMP_Inh	2.29160E-05	0.000E+00
819	ALL	417022.77	3727688.98	1.12942E-04	4.11170E-08	2.77YrCancerRMP_Inh	2.25880E-05	0.000E+00
820	ALL	417024.36	3727707.40	1.10925E-04	4.03830E-08	2.77YrCancerRMP_Inh	2.21850E-05	0.000E+00
821	ALL	417025.95	3727725.83	1.08705E-04	3.95750E-08	2.77YrCancerRMP_Inh	2.17410E-05	0.000E+00
822	ALL	417027.53	3727744.25	1.06463E-04	3.87590E-08	2.77YrCancerRMP_Inh	2.12930E-05	0.000E+00
823	ALL	417029.12	3727762.67	1.04375E-04	3.79980E-08	2.77YrCancerRMP_Inh	2.08750E-05	0.000E+00
824	ALL	417030.71	3727781.09	1.02553E-04	3.73350E-08	2.77YrCancerRMP_Inh	2.05110E-05	0.000E+00
825	ALL	416987.81	3727638.80	9.91016E-05	3.60790E-08	2.77YrCancerRMP_Inh	1.98200E-05	0.000E+00
826	ALL	416998.97	3727605.68	1.06122E-04	3.86340E-08	2.77YrCancerRMP_Inh	2.12240E-05	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	-0.25 to 2.52 Year SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
827	ALL	417010.12	3727572.56	1.11168E-04	4.04710E-08	2.77YrCancerRMP_Inh	2.22340E-05	0.000E+00
828	ALL	417021.27	3727539.44	1.13617E-04	4.13630E-08	2.77YrCancerRMP_Inh	2.27230E-05	0.000E+00
829	ALL	417032.43	3727506.32	1.13215E-04	4.12170E-08	2.77YrCancerRMP_Inh	2.26430E-05	0.000E+00
830	ALL	417182.94	3727340.06	9.81010E-05	3.57140E-08	2.77YrCancerRMP_Inh	1.96200E-05	0.000E+00
831	ALL	417214.79	3727325.68	1.08500E-04	3.95000E-08	2.77YrCancerRMP_Inh	2.17000E-05	0.000E+00
832	ALL	417278.49	3727296.91	1.04168E-04	3.79230E-08	2.77YrCancerRMP_Inh	2.08340E-05	0.000E+00
833	ALL	417310.34	3727282.52	8.53419E-05	3.10690E-08	2.77YrCancerRMP_Inh	1.70680E-05	0.000E+00
834	ALL	416983.82	3727673.78	9.40126E-05	3.42260E-08	2.77YrCancerRMP_Inh	1.88030E-05	0.000E+00
835	ALL	416985.41	3727692.20	9.25528E-05	3.36940E-08	2.77YrCancerRMP_Inh	1.85110E-05	0.000E+00
836	ALL	416987.00	3727710.62	9.08445E-05	3.30730E-08	2.77YrCancerRMP_Inh	1.81690E-05	0.000E+00
837	ALL	416988.59	3727729.05	8.90063E-05	3.24030E-08	2.77YrCancerRMP_Inh	1.78010E-05	0.000E+00
838	ALL	416990.17	3727747.47	8.71633E-05	3.17320E-08	2.77YrCancerRMP_Inh	1.74330E-05	0.000E+00
839	ALL	416991.76	3727765.89	8.54451E-05	3.11070E-08	2.77YrCancerRMP_Inh	1.70890E-05	0.000E+00
840	ALL	416993.35	3727784.31	8.39408E-05	3.05590E-08	2.77YrCancerRMP_Inh	1.67880E-05	0.000E+00
841	ALL	416950.68	3727641.32	8.28891E-05	3.01760E-08	2.77YrCancerRMP_Inh	1.65780E-05	0.000E+00
842	ALL	416956.50	3727624.07	8.60726E-05	3.13350E-08	2.77YrCancerRMP_Inh	1.72150E-05	0.000E+00
843	ALL	416962.31	3727606.81	8.89771E-05	3.23930E-08	2.77YrCancerRMP_Inh	1.77950E-05	0.000E+00
844	ALL	416968.12	3727589.56	9.15265E-05	3.33210E-08	2.77YrCancerRMP_Inh	1.83050E-05	0.000E+00
845	ALL	417242.80	3727275.31	9.19883E-05	3.34890E-08	2.77YrCancerRMP_Inh	1.83980E-05	0.000E+00
846	ALL	417259.39	3727267.81	7.80949E-05	2.84310E-08	2.77YrCancerRMP_Inh	1.56190E-05	0.000E+00
847	ALL	417275.98	3727260.32	7.10381E-05	2.58620E-08	2.77YrCancerRMP_Inh	1.42080E-05	0.000E+00
848	ALL	417292.58	3727252.82	6.64301E-05	2.41840E-08	2.77YrCancerRMP_Inh	1.32860E-05	0.000E+00
849	ALL	417309.17	3727245.33	6.28828E-05	2.28930E-08	2.77YrCancerRMP_Inh	1.25770E-05	0.000E+00
850	ALL	416944.87	3727658.58	7.95206E-05	2.89500E-08	2.77YrCancerRMP_Inh	1.59040E-05	0.000E+00
851	ALL	416946.46	3727677.00	7.85003E-05	2.85790E-08	2.77YrCancerRMP_Inh	1.57000E-05	0.000E+00
852	ALL	416948.05	3727695.42	7.72325E-05	2.81170E-08	2.77YrCancerRMP_Inh	1.54460E-05	0.000E+00
853	ALL	416949.64	3727713.85	7.57945E-05	2.75930E-08	2.77YrCancerRMP_Inh	1.51590E-05	0.000E+00
854	ALL	416951.22	3727732.27	7.42636E-05	2.70360E-08	2.77YrCancerRMP_Inh	1.48530E-05	0.000E+00
855	ALL	416952.81	3727750.69	7.27421E-05	2.64820E-08	2.77YrCancerRMP_Inh	1.45480E-05	0.000E+00
856	ALL	416954.40	3727769.11	7.13123E-05	2.59620E-08	2.77YrCancerRMP_Inh	1.42620E-05	0.000E+00
857	ALL	416955.99	3727787.53	7.00472E-05	2.55010E-08	2.77YrCancerRMP_Inh	1.40090E-05	0.000E+00
858	ALL	416993.06	3727407.80	7.85936E-05	2.86130E-08	2.77YrCancerRMP_Inh	1.57190E-05	0.000E+00
859	ALL	417004.46	3727373.94	7.45169E-05	2.71280E-08	2.77YrCancerRMP_Inh	1.49030E-05	0.000E+00
860	ALL	417032.15	3727332.72	7.05322E-05	2.56780E-08	2.77YrCancerRMP_Inh	1.41060E-05	0.000E+00
861	ALL	417292.70	3727215.05	5.23087E-05	1.90430E-08	2.77YrCancerRMP_Inh	1.04620E-05	0.000E+00
862	ALL	416910.69	3727698.64	6.54493E-05	2.38270E-08	2.77YrCancerRMP_Inh	1.30900E-05	0.000E+00
863	ALL	416912.27	3727717.07	6.42322E-05	2.33840E-08	2.77YrCancerRMP_Inh	1.28460E-05	0.000E+00
864	ALL	416913.86	3727735.49	6.29568E-05	2.29200E-08	2.77YrCancerRMP_Inh	1.25910E-05	0.000E+00
865	ALL	416915.45	3727753.91	6.16852E-05	2.24570E-08	2.77YrCancerRMP_Inh	1.23370E-05	0.000E+00
866	ALL	416917.04	3727772.33	6.04820E-05	2.20190E-08	2.77YrCancerRMP_Inh	1.20960E-05	0.000E+00
867	ALL	416918.63	3727790.75	5.94039E-05	2.16260E-08	2.77YrCancerRMP_Inh	1.18810E-05	0.000E+00
868	ALL	416923.21	3727507.47	7.25915E-05	2.64270E-08	2.77YrCancerRMP_Inh	1.45180E-05	0.000E+00
869	ALL	416929.11	3727489.96	7.29041E-05	2.65410E-08	2.77YrCancerRMP_Inh	1.45810E-05	0.000E+00
870	ALL	416935.00	3727472.46	7.28959E-05	2.65380E-08	2.77YrCancerRMP_Inh	1.45790E-05	0.000E+00
871	ALL	416940.90	3727454.95	7.25810E-05	2.64240E-08	2.77YrCancerRMP_Inh	1.45160E-05	0.000E+00
872	ALL	416946.80	3727437.44	7.19663E-05	2.62000E-08	2.77YrCancerRMP_Inh	1.43930E-05	0.000E+00
873	ALL	416952.69	3727419.94	7.10709E-05	2.58740E-08	2.77YrCancerRMP_Inh	1.42140E-05	0.000E+00
874	ALL	416958.59	3727402.43	6.99185E-05	2.54540E-08	2.77YrCancerRMP_Inh	1.39840E-05	0.000E+00
875	ALL	416964.49	3727384.93	6.85309E-05	2.49490E-08	2.77YrCancerRMP_Inh	1.37060E-05	0.000E+00
876	ALL	416970.38	3727367.42	6.69229E-05	2.43640E-08	2.77YrCancerRMP_Inh	1.33850E-05	0.000E+00
877	ALL	416976.28	3727349.92	6.51271E-05	2.37100E-08	2.77YrCancerRMP_Inh	1.30250E-05	0.000E+00
878	ALL	416982.17	3727332.41	6.31543E-05	2.29920E-08	2.77YrCancerRMP_Inh	1.26310E-05	0.000E+00
879	ALL	417004.90	3727307.30	6.17769E-05	2.24900E-08	2.77YrCancerRMP_Inh	1.23550E-05	0.000E+00
880	ALL	417021.74	3727299.70	6.22698E-05	2.26700E-08	2.77YrCancerRMP_Inh	1.24540E-05	0.000E+00
881	ALL	417038.57	3727292.09	6.24930E-05	2.27510E-08	2.77YrCancerRMP_Inh	1.24990E-05	0.000E+00
882	ALL	417055.41	3727284.49	6.24453E-05	2.27340E-08	2.77YrCancerRMP_Inh	1.24890E-05	0.000E+00
883	ALL	417307.93	3727170.44	4.18001E-05	1.52180E-08	2.77YrCancerRMP_Inh	8.36000E-06	0.000E+00
884	ALL	416878.09	3727757.13	5.30186E-05	1.93020E-08	2.77YrCancerRMP_Inh	1.06040E-05	0.000E+00
885	ALL	416879.68	3727775.55	5.19959E-05	1.89290E-08	2.77YrCancerRMP_Inh	1.03990E-05	0.000E+00
886	ALL	416881.26	3727793.97	5.10666E-05	1.85910E-08	2.77YrCancerRMP_Inh	1.02130E-05	0.000E+00
887	ALL	416861.76	3727582.22	5.90070E-05	2.14820E-08	2.77YrCancerRMP_Inh	1.18010E-05	0.000E+00
888	ALL	416867.56	3727565.01	6.03690E-05	2.19780E-08	2.77YrCancerRMP_Inh	1.20740E-05	0.000E+00
889	ALL	416873.35	3727547.81	6.15460E-05	2.24060E-08	2.77YrCancerRMP_Inh	1.23090E-05	0.000E+00
890	ALL	416879.14	3727530.60	6.25203E-05	2.27610E-08	2.77YrCancerRMP_Inh	1.25040E-05	0.000E+00
891	ALL	416890.73	3727496.19	6.38134E-05	2.32320E-08	2.77YrCancerRMP_Inh	1.27630E-05	0.000E+00
892	ALL	416896.53	3727478.99	6.41142E-05	2.33410E-08	2.77YrCancerRMP_Inh	1.28230E-05	0.000E+00
893	ALL	416902.32	3727461.78	6.41789E-05	2.33650E-08	2.77YrCancerRMP_Inh	1.28360E-05	0.000E+00
894	ALL	416908.12	3727444.58	6.40172E-05	2.33060E-08	2.77YrCancerRMP_Inh	1.28030E-05	0.000E+00
895	ALL	416913.91	3727427.37	6.36304E-05	2.31650E-08	2.77YrCancerRMP_Inh	1.27260E-05	0.000E+00
896	ALL	416925.50	3727392.97	6.22363E-05	2.26580E-08	2.77YrCancerRMP_Inh	1.24470E-05	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	-0.25 to 2.52 Year SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
897	ALL	416931.30	3727375.76	6.12535E-05	2.23000E-08	2.77YrCancerRMP_Inh	1.22510E-05	0.000E+00
898	ALL	416937.09	3727358.56	6.00969E-05	2.18790E-08	2.77YrCancerRMP_Inh	1.20190E-05	0.000E+00
899	ALL	416942.88	3727341.35	5.87785E-05	2.13990E-08	2.77YrCancerRMP_Inh	1.17560E-05	0.000E+00
900	ALL	416954.47	3727306.94	5.57139E-05	2.02830E-08	2.77YrCancerRMP_Inh	1.11430E-05	0.000E+00
901	ALL	416976.81	3727282.26	5.45949E-05	1.98760E-08	2.77YrCancerRMP_Inh	1.09190E-05	0.000E+00
902	ALL	416993.36	3727274.79	5.49984E-05	2.00230E-08	2.77YrCancerRMP_Inh	1.10000E-05	0.000E+00
903	ALL	417009.90	3727267.32	5.51864E-05	2.00910E-08	2.77YrCancerRMP_Inh	1.10370E-05	0.000E+00
904	ALL	417026.45	3727259.85	5.51533E-05	2.00790E-08	2.77YrCancerRMP_Inh	1.10310E-05	0.000E+00
905	ALL	417042.99	3727252.37	5.48938E-05	1.99840E-08	2.77YrCancerRMP_Inh	1.09790E-05	0.000E+00
906	ALL	417059.54	3727244.90	5.44226E-05	1.98130E-08	2.77YrCancerRMP_Inh	1.08850E-05	0.000E+00
907	ALL	417076.09	3727237.43	5.37507E-05	1.95680E-08	2.77YrCancerRMP_Inh	1.07500E-05	0.000E+00
908	ALL	416739.04	3727659.36	3.73719E-05	1.36050E-08	2.77YrCancerRMP_Inh	7.47440E-06	0.000E+00
909	ALL	416744.92	3727641.89	3.85896E-05	1.40490E-08	2.77YrCancerRMP_Inh	7.71790E-06	0.000E+00
910	ALL	416750.81	3727624.42	3.97702E-05	1.44790E-08	2.77YrCancerRMP_Inh	7.95400E-06	0.000E+00
911	ALL	416756.69	3727606.95	4.09040E-05	1.48910E-08	2.77YrCancerRMP_Inh	8.18080E-06	0.000E+00
912	ALL	416762.58	3727589.48	4.19773E-05	1.52820E-08	2.77YrCancerRMP_Inh	8.39550E-06	0.000E+00
913	ALL	416768.46	3727572.01	4.29776E-05	1.56460E-08	2.77YrCancerRMP_Inh	8.59550E-06	0.000E+00
914	ALL	416774.34	3727554.54	4.38953E-05	1.59800E-08	2.77YrCancerRMP_Inh	8.77910E-06	0.000E+00
915	ALL	416780.23	3727537.07	4.47235E-05	1.62820E-08	2.77YrCancerRMP_Inh	8.94470E-06	0.000E+00
916	ALL	416786.11	3727519.60	4.54498E-05	1.65460E-08	2.77YrCancerRMP_Inh	9.09000E-06	0.000E+00
917	ALL	416791.99	3727502.14	4.60687E-05	1.67720E-08	2.77YrCancerRMP_Inh	9.21370E-06	0.000E+00
918	ALL	416797.88	3727484.67	4.65746E-05	1.69560E-08	2.77YrCancerRMP_Inh	9.31490E-06	0.000E+00
919	ALL	416803.76	3727467.20	4.69621E-05	1.70970E-08	2.77YrCancerRMP_Inh	9.39240E-06	0.000E+00
920	ALL	416809.65	3727449.73	4.72283E-05	1.71940E-08	2.77YrCancerRMP_Inh	9.44570E-06	0.000E+00
921	ALL	416815.53	3727432.26	4.73689E-05	1.72450E-08	2.77YrCancerRMP_Inh	9.47380E-06	0.000E+00
922	ALL	416821.41	3727414.79	4.73880E-05	1.72520E-08	2.77YrCancerRMP_Inh	9.47760E-06	0.000E+00
923	ALL	416827.30	3727397.32	4.72855E-05	1.72150E-08	2.77YrCancerRMP_Inh	9.45710E-06	0.000E+00
924	ALL	416833.18	3727379.85	4.70651E-05	1.71340E-08	2.77YrCancerRMP_Inh	9.41300E-06	0.000E+00
925	ALL	416839.06	3727362.38	4.67295E-05	1.70120E-08	2.77YrCancerRMP_Inh	9.34590E-06	0.000E+00
926	ALL	416844.95	3727344.91	4.62838E-05	1.68500E-08	2.77YrCancerRMP_Inh	9.25680E-06	0.000E+00
927	ALL	416850.83	3727327.44	4.57318E-05	1.66490E-08	2.77YrCancerRMP_Inh	9.14640E-06	0.000E+00
928	ALL	416856.72	3727309.97	4.50798E-05	1.64120E-08	2.77YrCancerRMP_Inh	9.01600E-06	0.000E+00
929	ALL	416862.60	3727292.50	4.43274E-05	1.61380E-08	2.77YrCancerRMP_Inh	8.86550E-06	0.000E+00
930	ALL	416868.48	3727275.03	4.34796E-05	1.58290E-08	2.77YrCancerRMP_Inh	8.69590E-06	0.000E+00
931	ALL	416874.37	3727257.56	4.25443E-05	1.54890E-08	2.77YrCancerRMP_Inh	8.50890E-06	0.000E+00
932	ALL	416880.25	3727240.09	4.15221E-05	1.51160E-08	2.77YrCancerRMP_Inh	8.30440E-06	0.000E+00
933	ALL	416902.93	3727215.04	4.08082E-05	1.48560E-08	2.77YrCancerRMP_Inh	8.16160E-06	0.000E+00
934	ALL	416919.73	3727207.45	4.10670E-05	1.49510E-08	2.77YrCancerRMP_Inh	8.21340E-06	0.000E+00
935	ALL	416936.53	3727199.86	4.11901E-05	1.49960E-08	2.77YrCancerRMP_Inh	8.23800E-06	0.000E+00
936	ALL	416953.33	3727192.27	4.11688E-05	1.49880E-08	2.77YrCancerRMP_Inh	8.23380E-06	0.000E+00
937	ALL	416970.13	3727184.69	4.10036E-05	1.49280E-08	2.77YrCancerRMP_Inh	8.20070E-06	0.000E+00
938	ALL	416986.93	3727177.10	4.06920E-05	1.48140E-08	2.77YrCancerRMP_Inh	8.13840E-06	0.000E+00
939	ALL	417003.73	3727169.51	4.02409E-05	1.46500E-08	2.77YrCancerRMP_Inh	8.04820E-06	0.000E+00
940	ALL	417020.53	3727161.93	3.96610E-05	1.44390E-08	2.77YrCancerRMP_Inh	7.93220E-06	0.000E+00
941	ALL	417037.33	3727154.34	3.89657E-05	1.41860E-08	2.77YrCancerRMP_Inh	7.79310E-06	0.000E+00
942	ALL	417054.13	3727146.75	3.81707E-05	1.38960E-08	2.77YrCancerRMP_Inh	7.63410E-06	0.000E+00
943	ALL	417070.93	3727139.16	3.72959E-05	1.35780E-08	2.77YrCancerRMP_Inh	7.45920E-06	0.000E+00
944	ALL	417087.73	3727131.58	3.63602E-05	1.32370E-08	2.77YrCancerRMP_Inh	7.27200E-06	0.000E+00
945	ALL	417104.53	3727123.99	3.53840E-05	1.28820E-08	2.77YrCancerRMP_Inh	7.07680E-06	0.000E+00
946	ALL	417121.33	3727116.40	3.43863E-05	1.25190E-08	2.77YrCancerRMP_Inh	6.87730E-06	0.000E+00
947	ALL	417138.13	3727108.81	3.33860E-05	1.21540E-08	2.77YrCancerRMP_Inh	6.67720E-06	0.000E+00
948	ALL	417154.93	3727101.23	3.23993E-05	1.17950E-08	2.77YrCancerRMP_Inh	6.47990E-06	0.000E+00
949	ALL	416733.16	3727676.83	3.61322E-05	1.31540E-08	2.77YrCancerRMP_Inh	7.22640E-06	0.000E+00
950	ALL	416734.74	3727695.25	3.56205E-05	1.29680E-08	2.77YrCancerRMP_Inh	7.12410E-06	0.000E+00
951	ALL	416736.33	3727713.67	3.50557E-05	1.27620E-08	2.77YrCancerRMP_Inh	7.01110E-06	0.000E+00
952	ALL	416737.92	3727732.10	3.44555E-05	1.25440E-08	2.77YrCancerRMP_Inh	6.89110E-06	0.000E+00
953	ALL	416639.28	3727668.32	2.81374E-05	1.02440E-08	2.77YrCancerRMP_Inh	5.62750E-06	0.000E+00
954	ALL	416650.80	3727634.14	2.97562E-05	1.08330E-08	2.77YrCancerRMP_Inh	5.95120E-06	0.000E+00
955	ALL	416656.56	3727617.04	3.05327E-05	1.11160E-08	2.77YrCancerRMP_Inh	6.10650E-06	0.000E+00
956	ALL	416668.07	3727582.86	3.19871E-05	1.16450E-08	2.77YrCancerRMP_Inh	6.39740E-06	0.000E+00
957	ALL	416679.58	3727548.67	3.32836E-05	1.21170E-08	2.77YrCancerRMP_Inh	6.65670E-06	0.000E+00
958	ALL	416685.34	3727531.57	3.38652E-05	1.23290E-08	2.77YrCancerRMP_Inh	6.77300E-06	0.000E+00
959	ALL	416696.86	3727497.39	3.48773E-05	1.26970E-08	2.77YrCancerRMP_Inh	6.97550E-06	0.000E+00
960	ALL	416702.61	3727480.29	3.52995E-05	1.28510E-08	2.77YrCancerRMP_Inh	7.05990E-06	0.000E+00
961	ALL	416714.13	3727446.11	3.59730E-05	1.30960E-08	2.77YrCancerRMP_Inh	7.19460E-06	0.000E+00
962	ALL	416725.64	3727411.92	3.63954E-05	1.32500E-08	2.77YrCancerRMP_Inh	7.27910E-06	0.000E+00
963	ALL	416731.40	3727394.82	3.65097E-05	1.32920E-08	2.77YrCancerRMP_Inh	7.30190E-06	0.000E+00
964	ALL	416742.91	3727360.64	3.65414E-05	1.33030E-08	2.77YrCancerRMP_Inh	7.30830E-06	0.000E+00
965	ALL	416748.67	3727343.54	3.64598E-05	1.32730E-08	2.77YrCancerRMP_Inh	7.29200E-06	0.000E+00
966	ALL	416760.19	3727309.36	3.61060E-05	1.31450E-08	2.77YrCancerRMP_Inh	7.22120E-06	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	-0.25 to 2.52 Year SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
967	ALL	416771.70	3727275.17	3.55057E-05	1.29260E-08	2.77YrCancerRMP_Inh	7.10110E-06	0.000E+00
968	ALL	416777.46	3727258.07	3.51169E-05	1.27850E-08	2.77YrCancerRMP_Inh	7.02340E-06	0.000E+00
969	ALL	416788.97	3727223.89	3.41639E-05	1.24380E-08	2.77YrCancerRMP_Inh	6.83280E-06	0.000E+00
970	ALL	416794.73	3727206.79	3.36022E-05	1.22330E-08	2.77YrCancerRMP_Inh	6.72040E-06	0.000E+00
971	ALL	416806.24	3727172.61	3.23146E-05	1.17640E-08	2.77YrCancerRMP_Inh	6.46290E-06	0.000E+00
972	ALL	416828.44	3727148.09	3.18565E-05	1.15980E-08	2.77YrCancerRMP_Inh	6.37130E-06	0.000E+00
973	ALL	416861.32	3727133.24	3.21365E-05	1.17000E-08	2.77YrCancerRMP_Inh	6.42730E-06	0.000E+00
974	ALL	416877.75	3727125.81	3.21452E-05	1.17030E-08	2.77YrCancerRMP_Inh	6.42900E-06	0.000E+00
975	ALL	416910.63	3727110.97	3.18959E-05	1.16120E-08	2.77YrCancerRMP_Inh	6.37920E-06	0.000E+00
976	ALL	416927.07	3727103.54	3.16356E-05	1.15170E-08	2.77YrCancerRMP_Inh	6.32710E-06	0.000E+00
977	ALL	416943.51	3727096.12	3.12921E-05	1.13920E-08	2.77YrCancerRMP_Inh	6.25840E-06	0.000E+00
978	ALL	416976.39	3727081.27	3.03754E-05	1.10580E-08	2.77YrCancerRMP_Inh	6.07510E-06	0.000E+00
979	ALL	416992.82	3727073.85	2.98217E-05	1.08570E-08	2.77YrCancerRMP_Inh	5.96430E-06	0.000E+00
980	ALL	417025.70	3727059.00	2.85765E-05	1.04030E-08	2.77YrCancerRMP_Inh	5.71530E-06	0.000E+00
981	ALL	417042.14	3727051.57	2.79064E-05	1.01590E-08	2.77YrCancerRMP_Inh	5.58130E-06	0.000E+00
982	ALL	417075.02	3727036.72	2.65332E-05	9.65960E-09	2.77YrCancerRMP_Inh	5.30660E-06	0.000E+00
983	ALL	417091.45	3727029.30	2.58490E-05	9.41050E-09	2.77YrCancerRMP_Inh	5.16980E-06	0.000E+00
984	ALL	417124.33	3727014.45	2.45286E-05	8.92980E-09	2.77YrCancerRMP_Inh	4.90570E-06	0.000E+00
985	ALL	417140.77	3727007.03	2.39032E-05	8.70210E-09	2.77YrCancerRMP_Inh	4.78060E-06	0.000E+00
986	ALL	417157.21	3726999.60	2.33010E-05	8.48290E-09	2.77YrCancerRMP_Inh	4.66020E-06	0.000E+00
987	ALL	417190.09	3726984.76	2.21865E-05	8.07710E-09	2.77YrCancerRMP_Inh	4.43730E-06	0.000E+00
988	ALL	417206.52	3726977.33	2.16672E-05	7.88810E-09	2.77YrCancerRMP_Inh	4.33340E-06	0.000E+00
989	ALL	417239.40	3726962.48	2.07006E-05	7.53620E-09	2.77YrCancerRMP_Inh	4.14010E-06	0.000E+00
990	ALL	417255.84	3726955.06	2.02464E-05	7.37080E-09	2.77YrCancerRMP_Inh	4.04930E-06	0.000E+00
991	ALL	417288.72	3726940.21	1.93871E-05	7.05800E-09	2.77YrCancerRMP_Inh	3.87740E-06	0.000E+00
992	ALL	417305.16	3726932.79	1.89782E-05	6.90910E-09	2.77YrCancerRMP_Inh	3.79560E-06	0.000E+00
993	ALL	416633.53	3727685.42	2.73076E-05	9.94150E-09	2.77YrCancerRMP_Inh	5.46150E-06	0.000E+00
994	ALL	416635.11	3727703.84	2.69261E-05	9.80260E-09	2.77YrCancerRMP_Inh	5.38520E-06	0.000E+00
995	ALL	416636.70	3727722.26	2.65141E-05	9.65260E-09	2.77YrCancerRMP_Inh	5.30280E-06	0.000E+00
996	ALL	416638.29	3727740.68	2.60797E-05	9.49450E-09	2.77YrCancerRMP_Inh	5.21590E-06	0.000E+00
997	ALL	416639.88	3727759.11	2.56352E-05	9.33270E-09	2.77YrCancerRMP_Inh	5.12700E-06	0.000E+00
998	ALL	416641.47	3727777.53	2.51916E-05	9.17120E-09	2.77YrCancerRMP_Inh	5.03830E-06	0.000E+00
999	ALL	416643.05	3727795.95	2.47585E-05	9.01350E-09	2.77YrCancerRMP_Inh	4.95170E-06	0.000E+00
1000	ALL	416644.64	3727814.37	2.43482E-05	8.86410E-09	2.77YrCancerRMP_Inh	4.86960E-06	0.000E+00
1001	ALL	416646.23	3727832.79	2.39703E-05	8.72650E-09	2.77YrCancerRMP_Inh	4.79410E-06	0.000E+00
1002	ALL	416647.82	3727851.22	2.36303E-05	8.60280E-09	2.77YrCancerRMP_Inh	4.72610E-06	0.000E+00
1003	ALL	416649.41	3727869.64	2.33407E-05	8.49730E-09	2.77YrCancerRMP_Inh	4.66810E-06	0.000E+00
1004	ALL	417365.03	3727909.43	1.20582E-03	4.38990E-07	2.77YrCancerRMP_Inh	2.41160E-04	0.000E+00
1005	ALL	417400.42	3727909.24	1.98359E-03	7.22140E-07	2.77YrCancerRMP_Inh	3.96720E-04	0.000E+00
1006	ALL	417435.82	3727909.06	2.66294E-03	9.69460E-07	2.77YrCancerRMP_Inh	5.32590E-04	0.000E+00
1007	ALL	417471.21	3727908.88	2.95666E-03	1.07640E-06	2.77YrCancerRMP_Inh	5.91330E-04	0.000E+00
1008	ALL	417365.14	3727929.43	9.50748E-04	3.46130E-07	2.77YrCancerRMP_Inh	1.90150E-04	0.000E+00
1009	ALL	417400.53	3727929.24	1.52235E-03	5.54220E-07	2.77YrCancerRMP_Inh	3.04470E-04	0.000E+00
1010	ALL	417435.92	3727929.06	2.07882E-03	7.56810E-07	2.77YrCancerRMP_Inh	4.15760E-04	0.000E+00
1011	ALL	417471.31	3727928.88	2.37699E-03	8.65360E-07	2.77YrCancerRMP_Inh	4.75400E-04	0.000E+00
1012	ALL	417268.29	3727919.02	3.68215E-04	1.34050E-07	2.77YrCancerRMP_Inh	7.36430E-05	0.000E+00
1013	ALL	417365.24	3727949.43	7.70621E-04	2.80550E-07	2.77YrCancerRMP_Inh	1.54120E-04	0.000E+00
1014	ALL	417400.63	3727949.24	1.19991E-03	4.36840E-07	2.77YrCancerRMP_Inh	2.39980E-04	0.000E+00
1015	ALL	417436.02	3727949.06	1.65299E-03	6.01780E-07	2.77YrCancerRMP_Inh	3.30600E-04	0.000E+00
1016	ALL	417270.01	3727939.64	3.26384E-04	1.18820E-07	2.77YrCancerRMP_Inh	6.52770E-05	0.000E+00
1017	ALL	417231.59	3727912.78	2.91356E-04	1.06070E-07	2.77YrCancerRMP_Inh	5.82710E-05	0.000E+00
1018	ALL	417365.34	3727969.43	6.38560E-04	2.32470E-07	2.77YrCancerRMP_Inh	1.27710E-04	0.000E+00
1019	ALL	417400.73	3727969.24	9.67110E-04	3.52080E-07	2.77YrCancerRMP_Inh	1.93420E-04	0.000E+00
1020	ALL	417436.13	3727969.06	1.33579E-03	4.86300E-07	2.77YrCancerRMP_Inh	2.67160E-04	0.000E+00
1021	ALL	417471.52	3727968.88	1.59628E-03	5.81130E-07	2.77YrCancerRMP_Inh	3.19260E-04	0.000E+00
1022	ALL	417271.33	3727960.11	2.90417E-04	1.05730E-07	2.77YrCancerRMP_Inh	5.80830E-05	0.000E+00
1023	ALL	417240.76	3727948.35	2.51881E-04	9.16990E-08	2.77YrCancerRMP_Inh	5.03760E-05	0.000E+00
1024	ALL	417218.22	3727927.78	2.46389E-04	8.96990E-08	2.77YrCancerRMP_Inh	4.92780E-05	0.000E+00
1025	ALL	417365.45	3727989.43	5.38735E-04	1.96130E-07	2.77YrCancerRMP_Inh	1.07750E-04	0.000E+00
1026	ALL	417400.84	3727989.24	7.94310E-04	2.89170E-07	2.77YrCancerRMP_Inh	1.58860E-04	0.000E+00
1027	ALL	417436.23	3727989.06	1.09492E-03	3.98610E-07	2.77YrCancerRMP_Inh	2.18980E-04	0.000E+00
1028	ALL	417272.37	3727980.47	2.59661E-04	9.45310E-08	2.77YrCancerRMP_Inh	5.19320E-05	0.000E+00
1029	ALL	417242.18	3727968.86	2.25423E-04	8.20670E-08	2.77YrCancerRMP_Inh	4.50850E-05	0.000E+00
1030	ALL	417204.83	3727942.73	2.11049E-04	7.68340E-08	2.77YrCancerRMP_Inh	4.22100E-05	0.000E+00
1031	ALL	417190.51	3727913.72	2.21640E-04	8.06890E-08	2.77YrCancerRMP_Inh	4.43280E-05	0.000E+00
1032	ALL	417365.55	3728009.43	4.61202E-04	1.67900E-07	2.77YrCancerRMP_Inh	9.22400E-05	0.000E+00
1033	ALL	417400.94	3728009.24	6.62784E-04	2.41290E-07	2.77YrCancerRMP_Inh	1.32560E-04	0.000E+00
1034	ALL	417436.33	3728009.06	9.09024E-04	3.30940E-07	2.77YrCancerRMP_Inh	1.81800E-04	0.000E+00
1035	ALL	417471.72	3728008.88	1.11569E-03	4.06170E-07	2.77YrCancerRMP_Inh	2.23140E-04	0.000E+00
1036	ALL	417267.38	3728015.98	2.05064E-04	7.46550E-08	2.77YrCancerRMP_Inh	4.10130E-05	0.000E+00

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*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	-0.25 to 2.52 Year SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
1037	ALL	417235.11	3728003.56	1.78919E-04	6.51370E-08	2.77YrCancerRMP_Inh	3.57840E-05	0.000E+00
1038	ALL	417202.84	3727991.14	1.63431E-04	5.94980E-08	2.77YrCancerRMP_Inh	3.26860E-05	0.000E+00
1039	ALL	417179.06	3727969.43	1.62790E-04	5.92650E-08	2.77YrCancerRMP_Inh	3.25580E-05	0.000E+00
1040	ALL	417163.75	3727938.43	1.71979E-04	6.26100E-08	2.77YrCancerRMP_Inh	3.43960E-05	0.000E+00
1041	ALL	417365.74	3728046.93	3.55860E-04	1.29550E-07	2.77YrCancerRMP_Inh	7.11720E-05	0.000E+00
1042	ALL	417401.13	3728046.74	4.89048E-04	1.78040E-07	2.77YrCancerRMP_Inh	9.78100E-05	0.000E+00
1043	ALL	417436.53	3728046.56	6.61027E-04	2.40650E-07	2.77YrCancerRMP_Inh	1.32210E-04	0.000E+00
1044	ALL	417471.92	3728046.38	8.21839E-04	2.99200E-07	2.77YrCancerRMP_Inh	1.64370E-04	0.000E+00
1045	ALL	417270.40	3728054.56	1.74365E-04	6.34790E-08	2.77YrCancerRMP_Inh	3.48730E-05	0.000E+00
1046	ALL	417239.27	3728042.58	1.49983E-04	5.46020E-08	2.77YrCancerRMP_Inh	2.99970E-05	0.000E+00
1047	ALL	417208.13	3728030.60	1.37458E-04	5.00420E-08	2.77YrCancerRMP_Inh	2.74920E-05	0.000E+00
1048	ALL	417177.00	3728018.62	1.28369E-04	4.67330E-08	2.77YrCancerRMP_Inh	2.56740E-05	0.000E+00
1049	ALL	417154.04	3727997.67	1.28778E-04	4.68820E-08	2.77YrCancerRMP_Inh	2.57560E-05	0.000E+00
1050	ALL	417139.28	3727967.76	1.36346E-04	4.96380E-08	2.77YrCancerRMP_Inh	2.72690E-05	0.000E+00
1051	ALL	417124.51	3727937.84	1.40115E-04	5.10100E-08	2.77YrCancerRMP_Inh	2.80230E-05	0.000E+00
1052	ALL	417365.94	3728084.42	2.83898E-04	1.03350E-07	2.77YrCancerRMP_Inh	5.67800E-05	0.000E+00
1053	ALL	417401.33	3728084.24	3.74584E-04	1.36370E-07	2.77YrCancerRMP_Inh	7.49170E-05	0.000E+00
1054	ALL	417436.72	3728084.06	4.97132E-04	1.80980E-07	2.77YrCancerRMP_Inh	9.94260E-05	0.000E+00
1055	ALL	417266.79	3728090.60	1.44247E-04	5.25140E-08	2.77YrCancerRMP_Inh	2.88490E-05	0.000E+00
1056	ALL	417234.13	3728078.03	1.23891E-04	4.51030E-08	2.77YrCancerRMP_Inh	2.47780E-05	0.000E+00
1057	ALL	417201.47	3728065.46	1.13656E-04	4.13770E-08	2.77YrCancerRMP_Inh	2.27310E-05	0.000E+00
1058	ALL	417168.81	3728052.90	1.06667E-04	3.88330E-08	2.77YrCancerRMP_Inh	2.13330E-05	0.000E+00
1059	ALL	417128.40	3728024.64	1.04521E-04	3.80520E-08	2.77YrCancerRMP_Inh	2.09040E-05	0.000E+00
1060	ALL	417112.91	3727993.26	1.11048E-04	4.04280E-08	2.77YrCancerRMP_Inh	2.22100E-05	0.000E+00
1061	ALL	417097.43	3727961.88	1.14714E-04	4.17620E-08	2.77YrCancerRMP_Inh	2.29430E-05	0.000E+00
1062	ALL	417081.94	3727930.50	1.14517E-04	4.16910E-08	2.77YrCancerRMP_Inh	2.29030E-05	0.000E+00
1063	ALL	417366.13	3728121.92	2.32117E-04	8.45040E-08	2.77YrCancerRMP_Inh	4.64230E-05	0.000E+00
1064	ALL	417401.52	3728121.74	2.95383E-04	1.07540E-07	2.77YrCancerRMP_Inh	5.90770E-05	0.000E+00
1065	ALL	417436.91	3728121.56	3.84537E-04	1.39990E-07	2.77YrCancerRMP_Inh	7.69070E-05	0.000E+00
1066	ALL	417472.30	3728121.38	4.79939E-04	1.74720E-07	2.77YrCancerRMP_Inh	9.59880E-05	0.000E+00
1067	ALL	417269.37	3728129.02	1.26419E-04	4.60240E-08	2.77YrCancerRMP_Inh	2.52840E-05	0.000E+00
1068	ALL	417237.67	3728116.82	1.06748E-04	3.88620E-08	2.77YrCancerRMP_Inh	2.13500E-05	0.000E+00
1069	ALL	417205.97	3728104.62	9.74945E-05	3.54930E-08	2.77YrCancerRMP_Inh	1.94990E-05	0.000E+00
1070	ALL	417174.27	3728092.42	9.16325E-05	3.33590E-08	2.77YrCancerRMP_Inh	1.83260E-05	0.000E+00
1071	ALL	417142.57	3728080.22	8.71701E-05	3.17350E-08	2.77YrCancerRMP_Inh	1.74340E-05	0.000E+00
1072	ALL	417103.35	3728052.80	8.61960E-05	3.13800E-08	2.77YrCancerRMP_Inh	1.72390E-05	0.000E+00
1073	ALL	417088.32	3728022.34	9.15650E-05	3.33350E-08	2.77YrCancerRMP_Inh	1.83130E-05	0.000E+00
1074	ALL	417073.28	3727991.88	9.51574E-05	3.46430E-08	2.77YrCancerRMP_Inh	1.90310E-05	0.000E+00
1075	ALL	417058.25	3727961.42	9.61151E-05	3.49910E-08	2.77YrCancerRMP_Inh	1.92230E-05	0.000E+00
1076	ALL	417043.21	3727930.96	9.42977E-05	3.43300E-08	2.77YrCancerRMP_Inh	1.88600E-05	0.000E+00
1077	ALL	417366.32	3728159.42	1.92693E-04	7.01510E-08	2.77YrCancerRMP_Inh	3.85390E-05	0.000E+00
1078	ALL	417401.72	3728159.24	2.38244E-04	8.67340E-08	2.77YrCancerRMP_Inh	4.76490E-05	0.000E+00
1079	ALL	417437.11	3728159.06	3.04507E-04	1.10860E-07	2.77YrCancerRMP_Inh	6.09010E-05	0.000E+00
1080	ALL	417472.50	3728158.88	3.78449E-04	1.37780E-07	2.77YrCancerRMP_Inh	7.56900E-05	0.000E+00
1081	ALL	417266.56	3728165.36	1.05130E-04	3.82730E-08	2.77YrCancerRMP_Inh	2.10260E-05	0.000E+00
1082	ALL	417233.66	3728152.70	9.00450E-05	3.27810E-08	2.77YrCancerRMP_Inh	1.80090E-05	0.000E+00
1083	ALL	417200.75	3728140.04	8.25962E-05	3.00700E-08	2.77YrCancerRMP_Inh	1.65190E-05	0.000E+00
1084	ALL	417167.85	3728127.38	7.78249E-05	2.83330E-08	2.77YrCancerRMP_Inh	1.55650E-05	0.000E+00
1085	ALL	417134.94	3728114.72	7.42601E-05	2.70350E-08	2.77YrCancerRMP_Inh	1.48520E-05	0.000E+00
1086	ALL	417102.04	3728102.05	7.12599E-05	2.59430E-08	2.77YrCancerRMP_Inh	1.42520E-05	0.000E+00
1087	ALL	417077.78	3728079.92	7.23722E-05	2.63480E-08	2.77YrCancerRMP_Inh	1.44740E-05	0.000E+00
1088	ALL	417062.18	3728048.30	7.70372E-05	2.80460E-08	2.77YrCancerRMP_Inh	1.54070E-05	0.000E+00
1089	ALL	417046.57	3728016.68	8.03503E-05	2.92520E-08	2.77YrCancerRMP_Inh	1.60700E-05	0.000E+00
1090	ALL	417030.97	3727985.07	8.15373E-05	2.96840E-08	2.77YrCancerRMP_Inh	1.63070E-05	0.000E+00
1091	ALL	417015.37	3727953.45	8.03580E-05	2.92550E-08	2.77YrCancerRMP_Inh	1.60720E-05	0.000E+00
1092	ALL	417366.52	3728196.92	1.59995E-04	5.82470E-08	2.77YrCancerRMP_Inh	3.19990E-05	0.000E+00
1093	ALL	417401.91	3728196.74	1.95230E-04	7.10750E-08	2.77YrCancerRMP_Inh	3.90460E-05	0.000E+00
1094	ALL	417437.30	3728196.56	2.45763E-04	8.94720E-08	2.77YrCancerRMP_Inh	4.91530E-05	0.000E+00
1095	ALL	417472.69	3728196.37	3.03695E-04	1.10560E-07	2.77YrCancerRMP_Inh	6.07390E-05	0.000E+00
1096	ALL	417268.82	3728203.65	8.73523E-05	3.18010E-08	2.77YrCancerRMP_Inh	1.74700E-05	0.000E+00
1097	ALL	417236.74	3728191.31	7.77410E-05	2.83020E-08	2.77YrCancerRMP_Inh	1.55480E-05	0.000E+00
1098	ALL	417204.66	3728178.97	7.18513E-05	2.61580E-08	2.77YrCancerRMP_Inh	1.43700E-05	0.000E+00
1099	ALL	417172.58	3728166.62	6.78647E-05	2.47070E-08	2.77YrCancerRMP_Inh	1.35730E-05	0.000E+00
1100	ALL	417140.50	3728154.28	6.48837E-05	2.36210E-08	2.77YrCancerRMP_Inh	1.29770E-05	0.000E+00
1101	ALL	417108.42	3728141.94	6.24867E-05	2.27490E-08	2.77YrCancerRMP_Inh	1.24970E-05	0.000E+00
1102	ALL	417076.34	3728129.59	6.04037E-05	2.19900E-08	2.77YrCancerRMP_Inh	1.20810E-05	0.000E+00
1103	ALL	417052.70	3728108.01	6.14615E-05	2.23750E-08	2.77YrCancerRMP_Inh	1.22920E-05	0.000E+00
1104	ALL	417037.49	3728077.19	6.53358E-05	2.37860E-08	2.77YrCancerRMP_Inh	1.30670E-05	0.000E+00
1105	ALL	417022.27	3728046.36	6.83515E-05	2.48840E-08	2.77YrCancerRMP_Inh	1.36700E-05	0.000E+00
1106	ALL	417007.06	3728015.54	6.99053E-05	2.54490E-08	2.77YrCancerRMP_Inh	1.39810E-05	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	-0.25 to 2.52 Year SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
1107	ALL	416991.85	3727984.72	6.96756E-05	2.53660E-08	2.77YrCancerRMP_Inh	1.39350E-05	0.000E+00
1108	ALL	416976.63	3727953.90	6.77957E-05	2.46810E-08	2.77YrCancerRMP_Inh	1.35590E-05	0.000E+00
1109	ALL	417366.71	3728234.42	1.32794E-04	4.83450E-08	2.77YrCancerRMP_Inh	2.65590E-05	0.000E+00
1110	ALL	417402.10	3728234.24	1.61839E-04	5.89190E-08	2.77YrCancerRMP_Inh	3.23680E-05	0.000E+00
1111	ALL	417437.49	3728234.06	2.01434E-04	7.33330E-08	2.77YrCancerRMP_Inh	4.02870E-05	0.000E+00
1112	ALL	417270.66	3728241.79	7.32583E-05	2.66700E-08	2.77YrCancerRMP_Inh	1.46520E-05	0.000E+00
1113	ALL	417239.24	3728229.70	6.72125E-05	2.44690E-08	2.77YrCancerRMP_Inh	1.34430E-05	0.000E+00
1114	ALL	417207.83	3728217.61	6.28239E-05	2.28710E-08	2.77YrCancerRMP_Inh	1.25650E-05	0.000E+00
1115	ALL	417176.41	3728205.52	5.95692E-05	2.16870E-08	2.77YrCancerRMP_Inh	1.19140E-05	0.000E+00
1116	ALL	417144.99	3728193.43	5.70552E-05	2.07710E-08	2.77YrCancerRMP_Inh	1.14110E-05	0.000E+00
1117	ALL	417113.57	3728181.34	5.50303E-05	2.00340E-08	2.77YrCancerRMP_Inh	1.10060E-05	0.000E+00
1118	ALL	417082.15	3728169.25	5.33419E-05	1.94190E-08	2.77YrCancerRMP_Inh	1.06680E-05	0.000E+00
1119	ALL	417050.73	3728157.16	5.18562E-05	1.88790E-08	2.77YrCancerRMP_Inh	1.03710E-05	0.000E+00
1120	ALL	417027.57	3728136.02	5.28269E-05	1.92320E-08	2.77YrCancerRMP_Inh	1.05650E-05	0.000E+00
1121	ALL	417012.67	3728105.84	5.60654E-05	2.04110E-08	2.77YrCancerRMP_Inh	1.12130E-05	0.000E+00
1122	ALL	416997.77	3728075.65	5.87500E-05	2.13880E-08	2.77YrCancerRMP_Inh	1.17500E-05	0.000E+00
1123	ALL	416982.88	3728045.46	6.04272E-05	2.19990E-08	2.77YrCancerRMP_Inh	1.20850E-05	0.000E+00
1124	ALL	416967.98	3728015.27	6.07715E-05	2.21240E-08	2.77YrCancerRMP_Inh	1.21540E-05	0.000E+00
1125	ALL	416953.08	3727985.09	5.97521E-05	2.17530E-08	2.77YrCancerRMP_Inh	1.19500E-05	0.000E+00
1126	ALL	416938.18	3727954.90	5.76686E-05	2.09950E-08	2.77YrCancerRMP_Inh	1.15340E-05	0.000E+00
1127	ALL	417366.91	3728271.92	1.10839E-04	4.03520E-08	2.77YrCancerRMP_Inh	2.21680E-05	0.000E+00
1128	ALL	417402.30	3728271.74	1.35647E-04	4.93830E-08	2.77YrCancerRMP_Inh	2.71290E-05	0.000E+00
1129	ALL	417437.69	3728271.56	1.67325E-04	6.09160E-08	2.77YrCancerRMP_Inh	3.34650E-05	0.000E+00
1130	ALL	417473.08	3728271.37	2.04265E-04	7.43640E-08	2.77YrCancerRMP_Inh	4.08530E-05	0.000E+00
1131	ALL	417268.53	3728278.39	6.26716E-05	2.28160E-08	2.77YrCancerRMP_Inh	1.25340E-05	0.000E+00
1132	ALL	417236.18	3728265.95	5.79863E-05	2.11100E-08	2.77YrCancerRMP_Inh	1.15970E-05	0.000E+00
1133	ALL	417203.83	3728253.50	5.46306E-05	1.98890E-08	2.77YrCancerRMP_Inh	1.09260E-05	0.000E+00
1134	ALL	417171.49	3728241.05	5.20374E-05	1.89450E-08	2.77YrCancerRMP_Inh	1.04070E-05	0.000E+00
1135	ALL	417139.14	3728228.60	4.99484E-05	1.81840E-08	2.77YrCancerRMP_Inh	9.98970E-06	0.000E+00
1136	ALL	417106.79	3728216.16	4.82315E-05	1.75590E-08	2.77YrCancerRMP_Inh	9.64630E-06	0.000E+00
1137	ALL	417074.44	3728203.71	4.68061E-05	1.70400E-08	2.77YrCancerRMP_Inh	9.36120E-06	0.000E+00
1138	ALL	417042.09	3728191.26	4.55959E-05	1.65990E-08	2.77YrCancerRMP_Inh	9.11920E-06	0.000E+00
1139	ALL	417002.07	3728163.27	4.59588E-05	1.67320E-08	2.77YrCancerRMP_Inh	9.19180E-06	0.000E+00
1140	ALL	416986.73	3728132.19	4.88043E-05	1.77680E-08	2.77YrCancerRMP_Inh	9.76090E-06	0.000E+00
1141	ALL	416971.39	3728101.11	5.12286E-05	1.86500E-08	2.77YrCancerRMP_Inh	1.02460E-05	0.000E+00
1142	ALL	416956.05	3728070.03	5.28336E-05	1.92340E-08	2.77YrCancerRMP_Inh	1.05670E-05	0.000E+00
1143	ALL	416940.71	3728038.95	5.33209E-05	1.94120E-08	2.77YrCancerRMP_Inh	1.06640E-05	0.000E+00
1144	ALL	416925.37	3728007.87	5.26178E-05	1.91560E-08	2.77YrCancerRMP_Inh	1.05240E-05	0.000E+00
1145	ALL	416910.03	3727976.79	5.09325E-05	1.85420E-08	2.77YrCancerRMP_Inh	1.01870E-05	0.000E+00
1146	ALL	416894.69	3727945.71	4.86782E-05	1.77220E-08	2.77YrCancerRMP_Inh	9.73560E-06	0.000E+00
1147	ALL	417367.10	3728309.42	9.37431E-05	3.41280E-08	2.77YrCancerRMP_Inh	1.87490E-05	0.000E+00
1148	ALL	417402.49	3728309.24	1.14798E-04	4.17930E-08	2.77YrCancerRMP_Inh	2.29600E-05	0.000E+00
1149	ALL	417437.88	3728309.06	1.40641E-04	5.12010E-08	2.77YrCancerRMP_Inh	2.81280E-05	0.000E+00
1150	ALL	417333.62	3728403.24	5.52744E-05	2.01230E-08	2.77YrCancerRMP_Inh	1.10550E-05	0.000E+00
1151	ALL	417301.01	3728390.69	4.95888E-05	1.80530E-08	2.77YrCancerRMP_Inh	9.91780E-06	0.000E+00
1152	ALL	417268.40	3728378.14	4.52826E-05	1.64850E-08	2.77YrCancerRMP_Inh	9.05650E-06	0.000E+00
1153	ALL	417235.79	3728365.60	4.21823E-05	1.53570E-08	2.77YrCancerRMP_Inh	8.43650E-06	0.000E+00
1154	ALL	417203.19	3728353.05	3.99559E-05	1.45460E-08	2.77YrCancerRMP_Inh	7.99120E-06	0.000E+00
1155	ALL	417170.58	3728340.50	3.82759E-05	1.39350E-08	2.77YrCancerRMP_Inh	7.65520E-06	0.000E+00
1156	ALL	417137.97	3728327.96	3.69150E-05	1.34390E-08	2.77YrCancerRMP_Inh	7.38300E-06	0.000E+00
1157	ALL	417105.36	3728315.41	3.57531E-05	1.30160E-08	2.77YrCancerRMP_Inh	7.15060E-06	0.000E+00
1158	ALL	417072.76	3728302.86	3.47449E-05	1.26490E-08	2.77YrCancerRMP_Inh	6.94900E-06	0.000E+00
1159	ALL	417040.15	3728290.31	3.38836E-05	1.23360E-08	2.77YrCancerRMP_Inh	6.77670E-06	0.000E+00
1160	ALL	417007.54	3728277.77	3.31669E-05	1.20750E-08	2.77YrCancerRMP_Inh	6.63340E-06	0.000E+00
1161	ALL	416974.93	3728265.22	3.25707E-05	1.18580E-08	2.77YrCancerRMP_Inh	6.51410E-06	0.000E+00
1162	ALL	416934.60	3728237.01	3.30223E-05	1.20220E-08	2.77YrCancerRMP_Inh	6.60450E-06	0.000E+00
1163	ALL	416919.13	3728205.68	3.49714E-05	1.27320E-08	2.77YrCancerRMP_Inh	6.99430E-06	0.000E+00
1164	ALL	416903.67	3728174.35	3.67547E-05	1.33810E-08	2.77YrCancerRMP_Inh	7.35090E-06	0.000E+00
1165	ALL	416888.21	3728143.02	3.81475E-05	1.38880E-08	2.77YrCancerRMP_Inh	7.62950E-06	0.000E+00
1166	ALL	416872.74	3728111.69	3.89430E-05	1.41770E-08	2.77YrCancerRMP_Inh	7.78860E-06	0.000E+00
1167	ALL	416857.28	3728080.36	3.90127E-05	1.42030E-08	2.77YrCancerRMP_Inh	7.80250E-06	0.000E+00
1168	ALL	416841.82	3728049.03	3.83660E-05	1.39670E-08	2.77YrCancerRMP_Inh	7.67320E-06	0.000E+00
1169	ALL	416826.35	3728017.70	3.71512E-05	1.35250E-08	2.77YrCancerRMP_Inh	7.43020E-06	0.000E+00
1170	ALL	416810.89	3727986.37	3.56173E-05	1.29670E-08	2.77YrCancerRMP_Inh	7.12350E-06	0.000E+00
1171	ALL	416795.43	3727955.04	3.40311E-05	1.23890E-08	2.77YrCancerRMP_Inh	6.80620E-06	0.000E+00
1172	ALL	417367.62	3728409.42	6.41143E-05	2.33410E-08	2.77YrCancerRMP_Inh	1.28230E-05	0.000E+00
1173	ALL	417403.01	3728409.24	7.71505E-05	2.80870E-08	2.77YrCancerRMP_Inh	1.54300E-05	0.000E+00
1174	ALL	417438.40	3728409.05	9.29218E-05	3.38290E-08	2.77YrCancerRMP_Inh	1.85840E-05	0.000E+00
1175	ALL	417473.79	3728408.87	1.11117E-04	4.04530E-08	2.77YrCancerRMP_Inh	2.22230E-05	0.000E+00
1176	ALL	417334.04	3728503.20	4.12899E-05	1.50320E-08	2.77YrCancerRMP_Inh	8.25800E-06	0.000E+00

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*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:23:48 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier 4HRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	-0.25 to 2.52 Year SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
1177	ALL	417301.24	3728490.58	3.75656E-05	1.36760E-08	2.77YrCancerRMP_Inh	7.51310E-06	0.000E+00
1178	ALL	417268.45	3728477.96	3.46433E-05	1.26120E-08	2.77YrCancerRMP_Inh	6.92870E-06	0.000E+00
1179	ALL	417235.65	3728465.34	3.24295E-05	1.18060E-08	2.77YrCancerRMP_Inh	6.48590E-06	0.000E+00
1180	ALL	417202.86	3728452.72	3.07801E-05	1.12060E-08	2.77YrCancerRMP_Inh	6.15600E-06	0.000E+00
1181	ALL	417170.06	3728440.11	2.95255E-05	1.07490E-08	2.77YrCancerRMP_Inh	5.90510E-06	0.000E+00
1182	ALL	417137.27	3728427.49	2.85234E-05	1.03840E-08	2.77YrCancerRMP_Inh	5.70470E-06	0.000E+00
1183	ALL	417104.48	3728414.87	2.76744E-05	1.00750E-08	2.77YrCancerRMP_Inh	5.53490E-06	0.000E+00
1184	ALL	417071.68	3728402.25	2.69278E-05	9.80320E-09	2.77YrCancerRMP_Inh	5.38560E-06	0.000E+00
1185	ALL	417038.89	3728389.63	2.62663E-05	9.56240E-09	2.77YrCancerRMP_Inh	5.25330E-06	0.000E+00
1186	ALL	417006.09	3728377.01	2.56916E-05	9.35320E-09	2.77YrCancerRMP_Inh	5.13830E-06	0.000E+00
1187	ALL	416973.30	3728364.39	2.52084E-05	9.17730E-09	2.77YrCancerRMP_Inh	5.04170E-06	0.000E+00
1188	ALL	416940.50	3728351.77	2.48208E-05	9.03620E-09	2.77YrCancerRMP_Inh	4.96420E-06	0.000E+00
1189	ALL	416907.71	3728339.15	2.45125E-05	8.92390E-09	2.77YrCancerRMP_Inh	4.90250E-06	0.000E+00
1190	ALL	416867.14	3728310.78	2.49396E-05	9.07940E-09	2.77YrCancerRMP_Inh	4.98790E-06	0.000E+00
1191	ALL	416851.58	3728279.27	2.63279E-05	9.58480E-09	2.77YrCancerRMP_Inh	5.26560E-06	0.000E+00
1192	ALL	416836.03	3728247.76	2.76528E-05	1.00670E-08	2.77YrCancerRMP_Inh	5.53060E-06	0.000E+00
1193	ALL	416820.48	3728216.25	2.87852E-05	1.04790E-08	2.77YrCancerRMP_Inh	5.75700E-06	0.000E+00
1194	ALL	416804.93	3728184.74	2.95901E-05	1.07720E-08	2.77YrCancerRMP_Inh	5.91800E-06	0.000E+00
1195	ALL	416789.37	3728153.23	2.99571E-05	1.09060E-08	2.77YrCancerRMP_Inh	5.99140E-06	0.000E+00
1196	ALL	416773.82	3728121.72	2.98446E-05	1.08650E-08	2.77YrCancerRMP_Inh	5.96890E-06	0.000E+00
1197	ALL	416758.27	3728090.21	2.92826E-05	1.06610E-08	2.77YrCancerRMP_Inh	5.85650E-06	0.000E+00
1198	ALL	416742.72	3728058.70	2.83794E-05	1.03320E-08	2.77YrCancerRMP_Inh	5.67590E-06	0.000E+00
1199	ALL	416727.17	3728027.19	2.72848E-05	9.93320E-09	2.77YrCancerRMP_Inh	5.45700E-06	0.000E+00
1200	ALL	416711.61	3727995.68	2.61623E-05	9.52460E-09	2.77YrCancerRMP_Inh	5.23250E-06	0.000E+00
1201	ALL	416696.06	3727964.17	2.51469E-05	9.15490E-09	2.77YrCancerRMP_Inh	5.02940E-06	0.000E+00
1202	ALL	416680.51	3727932.66	2.43212E-05	8.85430E-09	2.77YrCancerRMP_Inh	4.86420E-06	0.000E+00
1203	ALL	416664.96	3727901.15	2.37227E-05	8.63640E-09	2.77YrCancerRMP_Inh	4.74450E-06	0.000E+00
1204	ALL	417368.13	3728509.42	4.69505E-05	1.70930E-08	2.77YrCancerRMP_Inh	9.39010E-06	0.000E+00
1205	ALL	417403.52	3728509.24	5.52061E-05	2.00980E-08	2.77YrCancerRMP_Inh	1.10410E-05	0.000E+00
1206	ALL	417438.92	3728509.05	6.52078E-05	2.37390E-08	2.77YrCancerRMP_Inh	1.30420E-05	0.000E+00
1207	ALL	417474.31	3728508.87	7.68256E-05	2.79690E-08	2.77YrCancerRMP_Inh	1.53650E-05	0.000E+00
1208	ALL	417518.02	3727773.28	4.70360E-03	1.71240E-06	2.77YrCancerRMP_Inh	9.40720E-04	0.000E+00
1209	ALL	417688.05	3727771.56	5.01206E-04	1.82470E-07	2.77YrCancerRMP_Inh	1.00240E-04	0.000E+00
1210	ALL	417724.17	3727766.40	3.56733E-04	1.29870E-07	2.77YrCancerRMP_Inh	7.13470E-05	0.000E+00
1211	ALL	417757.10	3727741.83	2.41749E-04	8.80100E-08	2.77YrCancerRMP_Inh	4.83500E-05	0.000E+00
1212	ALL	417769.38	3727727.33	2.04102E-04	7.43050E-08	2.77YrCancerRMP_Inh	4.08200E-05	0.000E+00
1213	ALL	417643.71	3727646.89	3.17319E-04	1.15520E-07	2.77YrCancerRMP_Inh	6.34640E-05	0.000E+00
1214	ALL	417350.26	3727597.68	1.59761E-03	5.81620E-07	2.77YrCancerRMP_Inh	3.19520E-04	0.000E+00
1215	ALL	417383.43	3727613.41	2.67241E-03	9.72910E-07	2.77YrCancerRMP_Inh	5.34480E-04	0.000E+00
1216	ALL	417422.75	3727612.67	2.54234E-03	9.25560E-07	2.77YrCancerRMP_Inh	5.08470E-04	0.000E+00
1217	ALL	417460.10	3727594.73	1.17892E-03	4.29190E-07	2.77YrCancerRMP_Inh	2.35780E-04	0.000E+00
1218	ALL	417403.83	3727593.75	1.53743E-03	5.59710E-07	2.77YrCancerRMP_Inh	3.07490E-04	0.000E+00
1219	ALL	417429.89	3727559.32	6.69032E-04	2.43570E-07	2.77YrCancerRMP_Inh	1.33810E-04	0.000E+00
1220	ALL	417486.39	3727597.85	9.62979E-04	3.50580E-07	2.77YrCancerRMP_Inh	1.92600E-04	0.000E+00
1221	ALL	417484.72	3727615.81	1.55953E-03	5.67760E-07	2.77YrCancerRMP_Inh	3.11910E-04	0.000E+00
1222	ALL	417486.60	3727634.61	2.89580E-03	1.05420E-06	2.77YrCancerRMP_Inh	5.79160E-04	0.000E+00
1223	ALL	417487.22	3727651.95	4.43742E-03	1.61550E-06	2.77YrCancerRMP_Inh	8.87480E-04	0.000E+00

HARP2 - HRACalc (dated 22118) 3/27/2025 1:23:48 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: HighEnd

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 2.77

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0.77
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False
Water: False
Fish: False
Homegrown crops: False

```
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

**********
INHALATION

Daily breathing rate: RMP

**Worker Adjustment Factors**
Worker adjustment factors enabled: NO

**Fraction at time at home**
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

**********
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment.  Please see the input file for details.
Tier2 - What was changed: ED or start age changed
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM
T4 Con\hra\Tier 4CancerRisk.csv
Cancer risk total by receptor saved to: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier
4CancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 -
CM T4 Con\hra\Tier 4NCChronicRisk.csv
Chronic risk total by receptor saved to: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier
4NCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM
T4 Con\hra\Tier 4NCAcuteRisk.csv
Acute risk total by receptor saved to: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\02 - CM T4 Con\hra\Tier
4NCAcuteRiskSumByRec.csv
HRA ran successfully
```

Costa Mesa Bear Street Residential Project Construction
(Tier 3 with Level 3 Filters Scenario)—DPM

Estimation of Annual Onsite Construction Emissions (Project Site)—DPM (Exhaust PM10)

Start of Construction	12/8/2025	
End of Construction	9/15/2028	**Total**
Number of Days	1,012	1012
Number of Hours	24,288	24,288

Size of the construction area source (entire site): **24,778.1** **sq-meters**

	On-site Construction Activity	Level 3 Filters On-site DPM (pounds)
2025	Demolition	2.037
2026	Demolition	2.376
2026	Site Preparation	1.410
2026	Grading	3.106
2026	Paving	2.254
2026	Utility Installation	9.464
2026	Building Construction	2.323
2027	Building Construction	7.852
2028	Building Construction	3.808
2028	Architectural Coating	0.000

Total On-site DPM (Level 3 Filters) 34.63 pounds

Factor in AERMOD to Account for 5 days per week/8 hours per day: 4.2
1 g/s used as the unit emission in AERMOD - converted to g/s/m2 in AERMOD

Average Emission (Emissions Summary for HARP2 Inputs)

Pounds/Construction Period	34.63
Pounds/Day	0.03
Pounds/Hour	0.0014
Pounds/Year	12.49
Years	2.77

Costa Mesa Bear Street Residential Project Construction (Tier 3 with Level 3 Filters Scenario)—DPM

Estimation of Annual Offsite Construction DPM (Exhaust PM10) Emissions - Project Construction (no change compared to Tier 4 scenario)

Start of Construction		12/8/2025						
End of Construction		9/15/2028						**Total**
Number of Days		1,012						1012
Number of Hours		24,288						24,288
	2025+2026	2026	2026	2026	2026	2026-2028	2028	
Construction Trips	Demolition	Site Preparation	Grading	Paving	Utility Installation	Building Construction	Architectural Coating	**Total (Pounds)**
Total (pounds)	2.26024	0.01764	1.26545	0.18642	0.17813	5.29485	0.10582	9.30856

Trips Over the Entire Duration of Construction

	Haul Truck Trips	Vendor Truck	Worker	Total
Demolition	2,658.00	0	600.00	3,258.00
Site Preparation	20.00	0	175.00	195.00
Grading	1,435.00	0	450.00	1,885.00
Paving	140.00	280	300.00	720.00
Utility Installation	202.00	0	757.50	959.50
Building Construction	928.00	19780.9747	76,739.01	97,447.99
Architectural Coating	120.00	0	2,019.19	2,139.19
Total	**5,503.00**	**20,060.97**	**81,040.70**	**106,604.68**

	Haul Truck (pounds)	Vendor Truck (pounds)	Worker (pounds)	Total (pounds)
Total DPM	4.805E-01	1.752E+00	7.076E+00	9.309E+00

Average Emissions				
Grams	2.182E+02	7.953E+02	3.213E+03	
Grams/sec	2.495E-06	9.095E-06	3.674E-05	
Default Distance (miles)	20	10.2	18.5	Vehicle Travel Distance Assumed in CalEEMod
Vehicle Travel Distances in the Construction HRA (miles)				
Off-site Road Segment 1	0.36	0.36	0.36	miles
Off-site Road Segment 2	0.24	0.24	0.24	miles
Off-site Road Segment 3	0.37	0.37	0.37	miles
Off-site Road Segment 4	0.58	0.58	0.58	miles
Trip Distribution (percent)				
Off-site Road Segment 1	16.7%	16.7%	16.7%	Route 1 – From North
Off-site Road Segment 2	33.3%	33.3%	33.3%	Route 2 – Bear Street to 405
Off-site Road Segment 3	16.7%	16.7%	16.7%	Route 3 – Towards North
Off-site Road Segment 4	33.3%	33.3%	33.3%	Route 4 – Bear Street to Paularino Ave

Total Average Offsite Vehicle Emissions Along Travel Distance (g/sec)				**Total**	
Off-site Road Segment 1	7.5335E-09	5.3849E-08	1.1994E-07	1.8132E-07	Off-site Route 1 - From North towards the Project Site
Off-site Road Segment 2	1.0020E-08	7.1621E-08	1.5952E-07	2.4116E-07	Off-site Route 2 - North from the Project Site
Off-site Road Segment 3	7.5943E-09	5.4284E-08	1.2091E-07	1.828E-07	Off-site Route 3 - From South towards the Project Site
Off-site Road Segment 4	2.3975E-08	1.7138E-07	3.8171E-07	5.771E-07	Off-site Route 4 - South from the Project Site

Average Emission (Emissions Summary for HARP2 Inputs)

	Grams/sec	Pounds/Hour	Pounds/Day	Pounds/year	Tons/year	Max Pounds/Hour
Off-site Road Segment 1	1.8132E-07	1.4391E-06	3.4538E-05	3.4953E-02	1.7476E-05	4.3173E-06
Off-site Road Segment 2	2.4116E-07	1.9140E-06	4.5936E-05	4.6488E-02	2.3244E-05	5.7420E-06
Off-site Road Segment 3	1.8278E-07	1.4507E-06	3.4817E-05	3.5234E-02	1.7617E-05	4.3521E-06
Off-site Road Segment 4	5.7706E-07	4.5799E-06	1.0992E-04	1.1124E-01	5.5618E-05	1.3740E-05

Health Risk Summary - Construction (Summary of HARP2 Results)

Costa Mesa Bear Street Residential Project (Construction Tier 3 with Level 3 Filters Scenario—DPM)

	RISK_SUM	Cancer Risk/million	MAXHI NonCancer Chronic	MAXHI Acute
Maximum Risk	5.1294E-06	5.129	2.8179E-03	0.00E+00

Maximally Exposed Individual Receptor

	X	Y
MEIR UTM	417480.88	3727774.76

Latitude, Longitude: 33°41'12.1"N 117°53'25.1"W

Receptor # 1

*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
1	ALL	417480.88	3727774.76	1.40895E-02	5.12940E-06	2.77YrCancerRMP_Inh	2.81790E-03	0.000E+00
2	ALL	417489.00	3727729.31	1.08747E-02	3.95900E-06	2.77YrCancerRMP_Inh	2.17490E-03	0.000E+00
3	ALL	417489.26	3727710.76	9.98511E-03	3.63510E-06	2.77YrCancerRMP_Inh	1.99700E-03	0.000E+00
4	ALL	417488.04	3727691.72	9.18907E-03	3.34530E-06	2.77YrCancerRMP_Inh	1.83780E-03	0.000E+00
5	ALL	417492.47	3727679.32	7.23404E-03	2.63360E-06	2.77YrCancerRMP_Inh	1.44680E-03	0.000E+00
6	ALL	417488.64	3727660.43	6.41231E-03	2.33440E-06	2.77YrCancerRMP_Inh	1.28250E-03	0.000E+00
7	ALL	417492.97	3727642.22	3.91558E-03	1.42550E-06	2.77YrCancerRMP_Inh	7.83120E-04	0.000E+00
8	ALL	417493.23	3727623.67	2.22641E-03	8.10540E-07	2.77YrCancerRMP_Inh	4.45280E-04	0.000E+00
9	ALL	417501.61	3727775.53	8.81491E-03	3.20910E-06	2.77YrCancerRMP_Inh	1.76300E-03	0.000E+00
10	ALL	417513.23	3727623.95	1.52290E-03	5.54420E-07	2.77YrCancerRMP_Inh	3.04580E-04	0.000E+00
11	ALL	417535.86	3727771.13	4.32205E-03	1.57350E-06	2.77YrCancerRMP_Inh	8.64410E-04	0.000E+00
12	ALL	417528.76	3727723.35	4.04216E-03	1.47160E-06	2.77YrCancerRMP_Inh	8.08430E-04	0.000E+00
13	ALL	417530.00	3727693.75	3.15327E-03	1.14800E-06	2.77YrCancerRMP_Inh	6.30650E-04	0.000E+00
14	ALL	417532.46	3727679.87	2.60599E-03	9.48730E-07	2.77YrCancerRMP_Inh	5.21200E-04	0.000E+00
15	ALL	417532.97	3727642.77	1.53690E-03	5.59520E-07	2.77YrCancerRMP_Inh	3.07380E-04	0.000E+00
16	ALL	417533.22	3727624.22	1.10557E-03	4.02490E-07	2.77YrCancerRMP_Inh	2.21110E-04	0.000E+00
17	ALL	417551.19	3727772.88	3.34111E-03	1.21640E-06	2.77YrCancerRMP_Inh	6.68220E-04	0.000E+00
18	ALL	417548.76	3727723.62	2.76946E-03	1.00820E-06	2.77YrCancerRMP_Inh	5.53890E-04	0.000E+00
19	ALL	417549.75	3727693.53	2.15434E-03	7.84300E-07	2.77YrCancerRMP_Inh	4.30870E-04	0.000E+00
20	ALL	417552.46	3727680.14	1.79863E-03	6.54800E-07	2.77YrCancerRMP_Inh	3.59730E-04	0.000E+00
21	ALL	417552.97	3727643.04	1.11078E-03	4.04390E-07	2.77YrCancerRMP_Inh	2.22160E-04	0.000E+00
22	ALL	417553.22	3727624.50	8.43627E-04	3.07130E-07	2.77YrCancerRMP_Inh	1.68730E-04	0.000E+00
23	ALL	417571.19	3727773.15	2.46277E-03	8.96590E-07	2.77YrCancerRMP_Inh	4.92550E-04	0.000E+00
24	ALL	417568.76	3727723.90	1.99934E-03	7.27870E-07	2.77YrCancerRMP_Inh	3.99870E-04	0.000E+00
25	ALL	417570.48	3727692.08	1.51415E-03	5.51240E-07	2.77YrCancerRMP_Inh	3.02830E-04	0.000E+00
26	ALL	417572.46	3727680.41	1.31129E-03	4.77380E-07	2.77YrCancerRMP_Inh	2.62260E-04	0.000E+00
27	ALL	417572.97	3727643.32	8.44446E-04	3.07430E-07	2.77YrCancerRMP_Inh	1.68890E-04	0.000E+00
28	ALL	417573.22	3727624.77	6.66200E-04	2.42530E-07	2.77YrCancerRMP_Inh	1.33240E-04	0.000E+00
29	ALL	417521.63	3727908.01	3.23259E-03	1.17680E-06	2.77YrCancerRMP_Inh	6.46520E-04	0.000E+00
30	ALL	417504.86	3727914.96	3.36156E-03	1.22380E-06	2.77YrCancerRMP_Inh	6.72310E-04	0.000E+00
31	ALL	417488.08	3727921.92	3.31271E-03	1.20600E-06	2.77YrCancerRMP_Inh	6.62540E-04	0.000E+00
32	ALL	417591.19	3727773.43	1.87476E-03	6.82520E-07	2.77YrCancerRMP_Inh	3.74950E-04	0.000E+00
33	ALL	417588.02	3727722.21	1.49430E-03	5.44010E-07	2.77YrCancerRMP_Inh	2.98860E-04	0.000E+00
34	ALL	417583.60	3727691.37	1.24175E-03	4.52070E-07	2.77YrCancerRMP_Inh	2.48350E-04	0.000E+00
35	ALL	417592.46	3727680.69	9.94586E-04	3.62090E-07	2.77YrCancerRMP_Inh	1.98920E-04	0.000E+00
36	ALL	417583.16	3727644.65	7.55350E-04	2.74990E-07	2.77YrCancerRMP_Inh	1.51070E-04	0.000E+00
37	ALL	417593.22	3727625.04	5.39588E-04	1.96440E-07	2.77YrCancerRMP_Inh	1.07920E-04	0.000E+00
38	ALL	417552.95	3727915.06	2.44959E-03	8.91790E-07	2.77YrCancerRMP_Inh	4.89920E-04	0.000E+00
39	ALL	417520.34	3727928.59	2.80117E-03	1.01980E-06	2.77YrCancerRMP_Inh	5.60230E-04	0.000E+00
40	ALL	417487.72	3727942.11	2.73054E-03	9.94070E-07	2.77YrCancerRMP_Inh	5.46110E-04	0.000E+00
41	ALL	417611.18	3727773.70	1.46360E-03	5.32830E-07	2.77YrCancerRMP_Inh	2.92720E-04	0.000E+00
42	ALL	417601.87	3727722.73	1.24731E-03	4.54090E-07	2.77YrCancerRMP_Inh	2.49460E-04	0.000E+00
43	ALL	417612.20	3727699.51	9.18135E-04	3.34250E-07	2.77YrCancerRMP_Inh	1.83630E-04	0.000E+00
44	ALL	417612.45	3727680.96	7.77649E-04	2.83110E-07	2.77YrCancerRMP_Inh	1.55530E-04	0.000E+00
45	ALL	417612.96	3727643.87	5.37120E-04	1.95540E-07	2.77YrCancerRMP_Inh	1.07420E-04	0.000E+00
46	ALL	417613.22	3727625.32	4.45814E-04	1.62300E-07	2.77YrCancerRMP_Inh	8.91630E-05	0.000E+00
47	ALL	417567.37	3727929.12	2.05353E-03	7.47600E-07	2.77YrCancerRMP_Inh	4.10710E-04	0.000E+00
48	ALL	417535.42	3727942.38	2.35719E-03	8.58150E-07	2.77YrCancerRMP_Inh	4.71440E-04	0.000E+00
49	ALL	417503.47	3727955.63	2.38914E-03	8.69780E-07	2.77YrCancerRMP_Inh	4.77830E-04	0.000E+00
50	ALL	417631.18	3727773.97	1.16546E-03	4.24290E-07	2.77YrCancerRMP_Inh	2.33090E-04	0.000E+00
51	ALL	417627.03	3727722.26	9.15846E-04	3.33420E-07	2.77YrCancerRMP_Inh	1.83170E-04	0.000E+00
52	ALL	417632.20	3727699.78	7.29826E-04	2.65700E-07	2.77YrCancerRMP_Inh	1.45970E-04	0.000E+00
53	ALL	417632.45	3727681.23	6.22922E-04	2.26780E-07	2.77YrCancerRMP_Inh	1.24580E-04	0.000E+00
54	ALL	417620.59	3727642.48	4.90780E-04	1.78670E-07	2.77YrCancerRMP_Inh	9.81560E-05	0.000E+00
55	ALL	417633.21	3727625.59	3.74299E-04	1.36270E-07	2.77YrCancerRMP_Inh	7.48600E-05	0.000E+00
56	ALL	417604.08	3727921.03	1.58781E-03	5.78050E-07	2.77YrCancerRMP_Inh	3.17560E-04	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
57	ALL	417581.70	3727943.22	1.74590E-03	6.35610E-07	2.77YrCancerRMP_Inh	3.49180E-04	0.000E+00
58	ALL	417550.25	3727956.27	2.00407E-03	7.29590E-07	2.77YrCancerRMP_Inh	4.00810E-04	0.000E+00
59	ALL	417518.80	3727969.31	2.08558E-03	7.59270E-07	2.77YrCancerRMP_Inh	4.17120E-04	0.000E+00
60	ALL	417487.35	3727982.36	1.90299E-03	6.92800E-07	2.77YrCancerRMP_Inh	3.80600E-04	0.000E+00
61	ALL	417651.18	3727774.25	9.43277E-04	3.43410E-07	2.77YrCancerRMP_Inh	1.88660E-04	0.000E+00
62	ALL	417642.61	3727722.54	7.71540E-04	2.80880E-07	2.77YrCancerRMP_Inh	1.54310E-04	0.000E+00
63	ALL	417652.20	3727700.06	5.91791E-04	2.15450E-07	2.77YrCancerRMP_Inh	1.18360E-04	0.000E+00
64	ALL	417652.45	3727681.51	5.09106E-04	1.85340E-07	2.77YrCancerRMP_Inh	1.01820E-04	0.000E+00
65	ALL	417652.96	3727644.41	3.71276E-04	1.35170E-07	2.77YrCancerRMP_Inh	7.42550E-05	0.000E+00
66	ALL	417653.21	3727625.86	3.18490E-04	1.15950E-07	2.77YrCancerRMP_Inh	6.36980E-05	0.000E+00
67	ALL	417624.65	3727919.95	1.35570E-03	4.93550E-07	2.77YrCancerRMP_Inh	2.71140E-04	0.000E+00
68	ALL	417595.98	3727957.34	1.50192E-03	5.46780E-07	2.77YrCancerRMP_Inh	3.00380E-04	0.000E+00
69	ALL	417564.91	3727970.23	1.72057E-03	6.26380E-07	2.77YrCancerRMP_Inh	3.44110E-04	0.000E+00
70	ALL	417533.85	3727983.11	1.82274E-03	6.63580E-07	2.77YrCancerRMP_Inh	3.64550E-04	0.000E+00
71	ALL	417502.79	3727995.99	1.72792E-03	6.29060E-07	2.77YrCancerRMP_Inh	3.45580E-04	0.000E+00
72	ALL	417667.99	3727771.82	7.88402E-04	2.87020E-07	2.77YrCancerRMP_Inh	1.57680E-04	0.000E+00
73	ALL	417659.89	3727723.18	6.47153E-04	2.35600E-07	2.77YrCancerRMP_Inh	1.29430E-04	0.000E+00
74	ALL	417678.58	3727723.06	5.38982E-04	1.96220E-07	2.77YrCancerRMP_Inh	1.07800E-04	0.000E+00
75	ALL	417672.20	3727700.33	4.87987E-04	1.77650E-07	2.77YrCancerRMP_Inh	9.75970E-05	0.000E+00
76	ALL	417672.45	3727681.78	4.23085E-04	1.54030E-07	2.77YrCancerRMP_Inh	8.46170E-05	0.000E+00
77	ALL	417672.96	3727644.69	3.15615E-04	1.14900E-07	2.77YrCancerRMP_Inh	6.31230E-05	0.000E+00
78	ALL	417673.21	3727626.14	2.74162E-04	9.98110E-08	2.77YrCancerRMP_Inh	5.48320E-05	0.000E+00
79	ALL	417658.99	3727927.91	1.03712E-03	3.77570E-07	2.77YrCancerRMP_Inh	2.07420E-04	0.000E+00
80	ALL	417644.94	3727960.99	1.07285E-03	3.90580E-07	2.77YrCancerRMP_Inh	2.14570E-04	0.000E+00
81	ALL	417621.31	3727984.42	1.17011E-03	4.25990E-07	2.77YrCancerRMP_Inh	2.34020E-04	0.000E+00
82	ALL	417588.11	3727998.19	1.34159E-03	4.88420E-07	2.77YrCancerRMP_Inh	2.68320E-04	0.000E+00
83	ALL	417554.91	3728011.95	1.43904E-03	5.23890E-07	2.77YrCancerRMP_Inh	2.87810E-04	0.000E+00
84	ALL	417521.72	3728025.72	1.39496E-03	5.07840E-07	2.77YrCancerRMP_Inh	2.78990E-04	0.000E+00
85	ALL	417488.52	3728039.49	1.20142E-03	4.37390E-07	2.77YrCancerRMP_Inh	2.40280E-04	0.000E+00
86	ALL	417708.68	3727775.04	5.50937E-04	2.00570E-07	2.77YrCancerRMP_Inh	1.10190E-04	0.000E+00
87	ALL	417698.13	3727722.71	4.50175E-04	1.63890E-07	2.77YrCancerRMP_Inh	9.00350E-05	0.000E+00
88	ALL	417716.32	3727717.18	3.72297E-04	1.35540E-07	2.77YrCancerRMP_Inh	7.44590E-05	0.000E+00
89	ALL	417709.69	3727700.84	3.53015E-04	1.28520E-07	2.77YrCancerRMP_Inh	7.06030E-05	0.000E+00
90	ALL	417709.95	3727682.30	3.10331E-04	1.12980E-07	2.77YrCancerRMP_Inh	6.20660E-05	0.000E+00
91	ALL	417710.45	3727645.20	2.39966E-04	8.73610E-08	2.77YrCancerRMP_Inh	4.79930E-05	0.000E+00
92	ALL	417710.71	3727626.65	2.12439E-04	7.73400E-08	2.77YrCancerRMP_Inh	4.24880E-05	0.000E+00
93	ALL	417698.21	3727924.36	7.94211E-04	2.89140E-07	2.77YrCancerRMP_Inh	1.58840E-04	0.000E+00
94	ALL	417684.65	3727956.28	8.39077E-04	3.05470E-07	2.77YrCancerRMP_Inh	1.67820E-04	0.000E+00
95	ALL	417671.09	3727988.20	8.60997E-04	3.13450E-07	2.77YrCancerRMP_Inh	1.72200E-04	0.000E+00
96	ALL	417648.30	3728010.80	9.29184E-04	3.38280E-07	2.77YrCancerRMP_Inh	1.85840E-04	0.000E+00
97	ALL	417616.26	3728024.09	1.05535E-03	3.84210E-07	2.77YrCancerRMP_Inh	2.11070E-04	0.000E+00
98	ALL	417584.23	3728037.38	1.14792E-03	4.17910E-07	2.77YrCancerRMP_Inh	2.29580E-04	0.000E+00
99	ALL	417552.20	3728050.66	1.16418E-03	4.23830E-07	2.77YrCancerRMP_Inh	2.32840E-04	0.000E+00
100	ALL	417520.16	3728063.95	1.07896E-03	3.92800E-07	2.77YrCancerRMP_Inh	2.15790E-04	0.000E+00
101	ALL	417488.13	3728077.23	9.08437E-04	3.30720E-07	2.77YrCancerRMP_Inh	1.81690E-04	0.000E+00
102	ALL	417746.17	3727775.55	4.05919E-04	1.47780E-07	2.77YrCancerRMP_Inh	8.11840E-05	0.000E+00
103	ALL	417746.43	3727757.00	3.69075E-04	1.34360E-07	2.77YrCancerRMP_Inh	7.38150E-05	0.000E+00
104	ALL	417746.68	3727738.45	3.32779E-04	1.21150E-07	2.77YrCancerRMP_Inh	6.65560E-05	0.000E+00
105	ALL	417746.93	3727719.91	2.98087E-04	1.08520E-07	2.77YrCancerRMP_Inh	5.96170E-05	0.000E+00
106	ALL	417747.19	3727701.36	2.65808E-04	9.67690E-08	2.77YrCancerRMP_Inh	5.31620E-05	0.000E+00
107	ALL	417747.44	3727682.81	2.36605E-04	8.61380E-08	2.77YrCancerRMP_Inh	4.73210E-05	0.000E+00
108	ALL	417747.95	3727645.71	1.88392E-04	6.85850E-08	2.77YrCancerRMP_Inh	3.76780E-05	0.000E+00
109	ALL	417748.20	3727627.17	1.69305E-04	6.16370E-08	2.77YrCancerRMP_Inh	3.38610E-05	0.000E+00
110	ALL	417740.49	3727913.60	6.01424E-04	2.18950E-07	2.77YrCancerRMP_Inh	1.20280E-04	0.000E+00
111	ALL	417733.38	3727930.35	6.30805E-04	2.29650E-07	2.77YrCancerRMP_Inh	1.26160E-04	0.000E+00
112	ALL	417726.27	3727947.09	6.55183E-04	2.38520E-07	2.77YrCancerRMP_Inh	1.31040E-04	0.000E+00
113	ALL	417719.16	3727963.83	6.74515E-04	2.45560E-07	2.77YrCancerRMP_Inh	1.34900E-04	0.000E+00
114	ALL	417712.05	3727980.57	6.89049E-04	2.50850E-07	2.77YrCancerRMP_Inh	1.37810E-04	0.000E+00
115	ALL	417704.94	3727997.31	6.99180E-04	2.54540E-07	2.77YrCancerRMP_Inh	1.39840E-04	0.000E+00
116	ALL	417697.83	3728014.05	7.05327E-04	2.56780E-07	2.77YrCancerRMP_Inh	1.41070E-04	0.000E+00
117	ALL	417673.92	3728037.76	7.58722E-04	2.76220E-07	2.77YrCancerRMP_Inh	1.51740E-04	0.000E+00
118	ALL	417657.11	3728044.73	8.10115E-04	2.94930E-07	2.77YrCancerRMP_Inh	1.62020E-04	0.000E+00
119	ALL	417640.31	3728051.70	8.59678E-04	3.12970E-07	2.77YrCancerRMP_Inh	1.71940E-04	0.000E+00
120	ALL	417623.51	3728058.66	9.04209E-04	3.29180E-07	2.77YrCancerRMP_Inh	1.80840E-04	0.000E+00
121	ALL	417606.71	3728065.63	9.39525E-04	3.42040E-07	2.77YrCancerRMP_Inh	1.87900E-04	0.000E+00
122	ALL	417589.91	3728072.60	9.61225E-04	3.49940E-07	2.77YrCancerRMP_Inh	1.92250E-04	0.000E+00
123	ALL	417573.11	3728079.57	9.65373E-04	3.51450E-07	2.77YrCancerRMP_Inh	1.93070E-04	0.000E+00
124	ALL	417556.31	3728086.54	9.49432E-04	3.45650E-07	2.77YrCancerRMP_Inh	1.89890E-04	0.000E+00
125	ALL	417539.51	3728093.50	9.12950E-04	3.32370E-07	2.77YrCancerRMP_Inh	1.82590E-04	0.000E+00
126	ALL	417522.71	3728100.47	8.57593E-04	3.12210E-07	2.77YrCancerRMP_Inh	1.71520E-04	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
127	ALL	417505.91	3728107.44	7.87190E-04	2.86580E-07	2.77YrCancerRMP_Inh	1.57440E-04	0.000E+00
128	ALL	417489.11	3728114.41	7.06874E-04	2.57340E-07	2.77YrCancerRMP_Inh	1.41370E-04	0.000E+00
129	ALL	417784.43	3727720.42	2.29552E-04	8.35700E-08	2.77YrCancerRMP_Inh	4.59100E-05	0.000E+00
130	ALL	417784.68	3727701.87	2.06651E-04	7.52330E-08	2.77YrCancerRMP_Inh	4.13300E-05	0.000E+00
131	ALL	417784.94	3727683.32	1.85976E-04	6.77060E-08	2.77YrCancerRMP_Inh	3.71950E-05	0.000E+00
132	ALL	417785.19	3727664.78	1.67697E-04	6.10510E-08	2.77YrCancerRMP_Inh	3.35390E-05	0.000E+00
133	ALL	417785.45	3727646.23	1.51749E-04	5.52450E-08	2.77YrCancerRMP_Inh	3.03500E-05	0.000E+00
134	ALL	417785.70	3727627.68	1.38014E-04	5.02450E-08	2.77YrCancerRMP_Inh	2.76030E-05	0.000E+00
135	ALL	417772.34	3727927.42	4.95941E-04	1.80550E-07	2.77YrCancerRMP_Inh	9.91880E-05	0.000E+00
136	ALL	417758.53	3727959.92	5.39142E-04	1.96280E-07	2.77YrCancerRMP_Inh	1.07830E-04	0.000E+00
137	ALL	417744.73	3727992.42	5.68162E-04	2.06840E-07	2.77YrCancerRMP_Inh	1.13630E-04	0.000E+00
138	ALL	417730.92	3728024.92	5.84304E-04	2.12720E-07	2.77YrCancerRMP_Inh	1.16860E-04	0.000E+00
139	ALL	417700.81	3728064.18	6.27607E-04	2.28480E-07	2.77YrCancerRMP_Inh	1.25520E-04	0.000E+00
140	ALL	417668.20	3728077.71	7.03892E-04	2.56260E-07	2.77YrCancerRMP_Inh	1.40780E-04	0.000E+00
141	ALL	417635.58	3728091.24	7.70747E-04	2.80600E-07	2.77YrCancerRMP_Inh	1.54150E-04	0.000E+00
142	ALL	417602.96	3728104.77	8.08416E-04	2.94310E-07	2.77YrCancerRMP_Inh	1.61680E-04	0.000E+00
143	ALL	417570.35	3728118.29	7.97106E-04	2.90190E-07	2.77YrCancerRMP_Inh	1.59420E-04	0.000E+00
144	ALL	417537.73	3728131.82	7.29732E-04	2.65660E-07	2.77YrCancerRMP_Inh	1.45950E-04	0.000E+00
145	ALL	417505.11	3728145.35	6.18789E-04	2.25270E-07	2.77YrCancerRMP_Inh	1.23760E-04	0.000E+00
146	ALL	417822.69	3727665.29	1.36508E-04	4.96970E-08	2.77YrCancerRMP_Inh	2.73020E-05	0.000E+00
147	ALL	417822.94	3727646.74	1.24814E-04	4.54390E-08	2.77YrCancerRMP_Inh	2.49630E-05	0.000E+00
148	ALL	417823.20	3727628.19	1.14648E-04	4.17380E-08	2.77YrCancerRMP_Inh	2.29300E-05	0.000E+00
149	ALL	417808.00	3727932.25	4.03419E-04	1.46870E-07	2.77YrCancerRMP_Inh	8.06840E-05	0.000E+00
150	ALL	417800.84	3727949.12	4.24852E-04	1.54670E-07	2.77YrCancerRMP_Inh	8.49700E-05	0.000E+00
151	ALL	417793.67	3727965.98	4.43616E-04	1.61500E-07	2.77YrCancerRMP_Inh	8.87230E-05	0.000E+00
152	ALL	417786.51	3727982.85	4.59443E-04	1.67260E-07	2.77YrCancerRMP_Inh	9.18890E-05	0.000E+00
153	ALL	417779.35	3727999.72	4.72301E-04	1.71940E-07	2.77YrCancerRMP_Inh	9.44600E-05	0.000E+00
154	ALL	417772.18	3728016.58	4.82329E-04	1.75590E-07	2.77YrCancerRMP_Inh	9.64660E-05	0.000E+00
155	ALL	417765.02	3728033.45	4.89697E-04	1.78280E-07	2.77YrCancerRMP_Inh	9.79390E-05	0.000E+00
156	ALL	417757.85	3728050.32	4.94734E-04	1.80110E-07	2.77YrCancerRMP_Inh	9.89470E-05	0.000E+00
157	ALL	417750.69	3728067.18	4.97690E-04	1.81190E-07	2.77YrCancerRMP_Inh	9.95380E-05	0.000E+00
158	ALL	417726.60	3728091.07	5.29281E-04	1.92690E-07	2.77YrCancerRMP_Inh	1.05860E-04	0.000E+00
159	ALL	417709.67	3728098.09	5.60459E-04	2.04040E-07	2.77YrCancerRMP_Inh	1.12090E-04	0.000E+00
160	ALL	417692.74	3728105.11	5.91580E-04	2.15370E-07	2.77YrCancerRMP_Inh	1.18320E-04	0.000E+00
161	ALL	417675.82	3728112.13	6.21400E-04	2.26220E-07	2.77YrCancerRMP_Inh	1.24280E-04	0.000E+00
162	ALL	417658.89	3728119.15	6.48262E-04	2.36000E-07	2.77YrCancerRMP_Inh	1.29650E-04	0.000E+00
163	ALL	417641.96	3728126.17	6.70059E-04	2.43940E-07	2.77YrCancerRMP_Inh	1.34010E-04	0.000E+00
164	ALL	417625.03	3728133.19	6.84536E-04	2.49210E-07	2.77YrCancerRMP_Inh	1.36910E-04	0.000E+00
165	ALL	417608.11	3728140.21	6.89599E-04	2.51050E-07	2.77YrCancerRMP_Inh	1.37920E-04	0.000E+00
166	ALL	417591.18	3728147.23	6.83721E-04	2.48910E-07	2.77YrCancerRMP_Inh	1.36740E-04	0.000E+00
167	ALL	417574.25	3728154.25	6.66181E-04	2.42530E-07	2.77YrCancerRMP_Inh	1.33240E-04	0.000E+00
168	ALL	417557.33	3728161.27	6.37298E-04	2.32010E-07	2.77YrCancerRMP_Inh	1.27460E-04	0.000E+00
169	ALL	417540.40	3728168.29	5.98425E-04	2.17860E-07	2.77YrCancerRMP_Inh	1.19680E-04	0.000E+00
170	ALL	417523.47	3728175.31	5.51770E-04	2.00880E-07	2.77YrCancerRMP_Inh	1.10350E-04	0.000E+00
171	ALL	417506.55	3728182.33	5.00098E-04	1.82060E-07	2.77YrCancerRMP_Inh	1.00020E-04	0.000E+00
172	ALL	417489.62	3728189.35	4.46278E-04	1.62470E-07	2.77YrCancerRMP_Inh	8.92560E-05	0.000E+00
173	ALL	417860.44	3727647.25	1.04452E-04	3.80260E-08	2.77YrCancerRMP_Inh	2.08900E-05	0.000E+00
174	ALL	417860.69	3727628.71	9.67596E-05	3.52260E-08	2.77YrCancerRMP_Inh	1.93520E-05	0.000E+00
175	ALL	417832.79	3727962.69	3.59842E-04	1.31000E-07	2.77YrCancerRMP_Inh	7.19680E-05	0.000E+00
176	ALL	417818.82	3727995.58	3.88794E-04	1.41540E-07	2.77YrCancerRMP_Inh	7.77590E-05	0.000E+00
177	ALL	417804.85	3728028.46	4.09035E-04	1.48910E-07	2.77YrCancerRMP_Inh	8.18070E-05	0.000E+00
178	ALL	417790.88	3728061.35	4.21083E-04	1.53300E-07	2.77YrCancerRMP_Inh	8.42170E-05	0.000E+00
179	ALL	417776.91	3728094.24	4.26445E-04	1.55250E-07	2.77YrCancerRMP_Inh	8.52890E-05	0.000E+00
180	ALL	417753.42	3728117.52	4.50602E-04	1.64040E-07	2.77YrCancerRMP_Inh	9.01200E-05	0.000E+00
181	ALL	417720.42	3728131.21	4.98983E-04	1.81660E-07	2.77YrCancerRMP_Inh	9.97970E-05	0.000E+00
182	ALL	417687.42	3728144.90	5.45238E-04	1.98500E-07	2.77YrCancerRMP_Inh	1.09050E-04	0.000E+00
183	ALL	417654.41	3728158.59	5.80497E-04	2.11330E-07	2.77YrCancerRMP_Inh	1.16100E-04	0.000E+00
184	ALL	417621.41	3728172.28	5.93095E-04	2.15920E-07	2.77YrCancerRMP_Inh	1.18620E-04	0.000E+00
185	ALL	417588.40	3728185.96	5.73992E-04	2.08970E-07	2.77YrCancerRMP_Inh	1.14800E-04	0.000E+00
186	ALL	417555.40	3728199.65	5.22165E-04	1.90100E-07	2.77YrCancerRMP_Inh	1.04430E-04	0.000E+00
187	ALL	417522.39	3728213.34	4.46413E-04	1.62520E-07	2.77YrCancerRMP_Inh	8.92830E-05	0.000E+00
188	ALL	417489.39	3728227.03	3.61385E-04	1.31560E-07	2.77YrCancerRMP_Inh	7.22770E-05	0.000E+00
189	ALL	417861.14	3727984.74	3.15180E-04	1.14740E-07	2.77YrCancerRMP_Inh	6.30360E-05	0.000E+00
190	ALL	417853.94	3728001.69	3.28015E-04	1.19420E-07	2.77YrCancerRMP_Inh	6.56030E-05	0.000E+00
191	ALL	417846.74	3728018.64	3.39046E-04	1.23430E-07	2.77YrCancerRMP_Inh	6.78090E-05	0.000E+00
192	ALL	417839.54	3728035.59	3.48213E-04	1.26770E-07	2.77YrCancerRMP_Inh	6.96430E-05	0.000E+00
193	ALL	417832.33	3728052.55	3.55558E-04	1.29440E-07	2.77YrCancerRMP_Inh	7.11120E-05	0.000E+00
194	ALL	417825.13	3728069.50	3.61160E-04	1.31480E-07	2.77YrCancerRMP_Inh	7.22320E-05	0.000E+00
195	ALL	417817.93	3728086.45	3.65192E-04	1.32950E-07	2.77YrCancerRMP_Inh	7.30380E-05	0.000E+00
196	ALL	417810.73	3728103.40	3.67838E-04	1.33910E-07	2.77YrCancerRMP_Inh	7.35680E-05	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
197	ALL	417803.53	3728120.36	3.69280E-04	1.34440E-07	2.77YrCancerRMP_Inh	7.38560E-05	0.000E+00
198	ALL	417779.32	3728144.36	3.89103E-04	1.41660E-07	2.77YrCancerRMP_Inh	7.78210E-05	0.000E+00
199	ALL	417762.30	3728151.42	4.09073E-04	1.48930E-07	2.77YrCancerRMP_Inh	8.18150E-05	0.000E+00
200	ALL	417745.29	3728158.48	4.29323E-04	1.56300E-07	2.77YrCancerRMP_Inh	8.58650E-05	0.000E+00
201	ALL	417728.28	3728165.53	4.49411E-04	1.63610E-07	2.77YrCancerRMP_Inh	8.98820E-05	0.000E+00
202	ALL	417711.26	3728172.59	4.68621E-04	1.70600E-07	2.77YrCancerRMP_Inh	9.37240E-05	0.000E+00
203	ALL	417694.25	3728179.64	4.85985E-04	1.76930E-07	2.77YrCancerRMP_Inh	9.71970E-05	0.000E+00
204	ALL	417677.24	3728186.70	5.00336E-04	1.82150E-07	2.77YrCancerRMP_Inh	1.00070E-04	0.000E+00
205	ALL	417660.22	3728193.76	5.10447E-04	1.85830E-07	2.77YrCancerRMP_Inh	1.02090E-04	0.000E+00
206	ALL	417643.21	3728200.81	5.15123E-04	1.87530E-07	2.77YrCancerRMP_Inh	1.03020E-04	0.000E+00
207	ALL	417626.20	3728207.87	5.13380E-04	1.86900E-07	2.77YrCancerRMP_Inh	1.02680E-04	0.000E+00
208	ALL	417609.18	3728214.93	5.04651E-04	1.83720E-07	2.77YrCancerRMP_Inh	1.00930E-04	0.000E+00
209	ALL	417592.17	3728221.98	4.88868E-04	1.77980E-07	2.77YrCancerRMP_Inh	9.77740E-05	0.000E+00
210	ALL	417575.16	3728229.04	4.66444E-04	1.69810E-07	2.77YrCancerRMP_Inh	9.32890E-05	0.000E+00
211	ALL	417558.15	3728236.09	4.38376E-04	1.59590E-07	2.77YrCancerRMP_Inh	8.76750E-05	0.000E+00
212	ALL	417541.13	3728243.15	4.05946E-04	1.47790E-07	2.77YrCancerRMP_Inh	8.11890E-05	0.000E+00
213	ALL	417524.12	3728250.21	3.70763E-04	1.34980E-07	2.77YrCancerRMP_Inh	7.41530E-05	0.000E+00
214	ALL	417507.11	3728257.26	3.34439E-04	1.21750E-07	2.77YrCancerRMP_Inh	6.68880E-05	0.000E+00
215	ALL	417490.09	3728264.32	2.98417E-04	1.08640E-07	2.77YrCancerRMP_Inh	5.96830E-05	0.000E+00
216	ALL	417886.12	3728014.70	2.83262E-04	1.03120E-07	2.77YrCancerRMP_Inh	5.66520E-05	0.000E+00
217	ALL	417872.04	3728047.87	3.01015E-04	1.09590E-07	2.77YrCancerRMP_Inh	6.02030E-05	0.000E+00
218	ALL	417864.99	3728064.45	3.07763E-04	1.12040E-07	2.77YrCancerRMP_Inh	6.15530E-05	0.000E+00
219	ALL	417850.91	3728097.61	3.17152E-04	1.15460E-07	2.77YrCancerRMP_Inh	6.34300E-05	0.000E+00
220	ALL	417843.86	3728114.19	3.20037E-04	1.16510E-07	2.77YrCancerRMP_Inh	6.40070E-05	0.000E+00
221	ALL	417829.78	3728147.36	3.22825E-04	1.17530E-07	2.77YrCancerRMP_Inh	6.45650E-05	0.000E+00
222	ALL	417806.09	3728170.84	3.38431E-04	1.23210E-07	2.77YrCancerRMP_Inh	6.76860E-05	0.000E+00
223	ALL	417789.45	3728177.74	3.54284E-04	1.28980E-07	2.77YrCancerRMP_Inh	7.08570E-05	0.000E+00
224	ALL	417772.81	3728184.64	3.70450E-04	1.34860E-07	2.77YrCancerRMP_Inh	7.40900E-05	0.000E+00
225	ALL	417739.53	3728198.45	4.02521E-04	1.46540E-07	2.77YrCancerRMP_Inh	8.05040E-05	0.000E+00
226	ALL	417706.25	3728212.25	4.30649E-04	1.56780E-07	2.77YrCancerRMP_Inh	8.61300E-05	0.000E+00
227	ALL	417689.61	3728219.15	4.41320E-04	1.60670E-07	2.77YrCancerRMP_Inh	8.82640E-05	0.000E+00
228	ALL	417656.32	3728232.95	4.51526E-04	1.64380E-07	2.77YrCancerRMP_Inh	9.03050E-05	0.000E+00
229	ALL	417623.04	3728246.76	4.42273E-04	1.61010E-07	2.77YrCancerRMP_Inh	8.84550E-05	0.000E+00
230	ALL	417606.40	3728253.66	4.29618E-04	1.56410E-07	2.77YrCancerRMP_Inh	8.59240E-05	0.000E+00
231	ALL	417573.12	3728267.46	3.89700E-04	1.41870E-07	2.77YrCancerRMP_Inh	7.79400E-05	0.000E+00
232	ALL	417539.84	3728281.27	3.35814E-04	1.22260E-07	2.77YrCancerRMP_Inh	6.71630E-05	0.000E+00
233	ALL	417523.20	3728288.17	3.06354E-04	1.11530E-07	2.77YrCancerRMP_Inh	6.12710E-05	0.000E+00
234	ALL	417489.91	3728301.97	2.47810E-04	9.02170E-08	2.77YrCancerRMP_Inh	4.95620E-05	0.000E+00
235	ALL	417970.90	3727797.18	1.13399E-04	4.12840E-08	2.77YrCancerRMP_Inh	2.26800E-05	0.000E+00
236	ALL	417971.15	3727778.63	1.05691E-04	3.84770E-08	2.77YrCancerRMP_Inh	2.11380E-05	0.000E+00
237	ALL	417971.41	3727760.08	9.84224E-05	3.58310E-08	2.77YrCancerRMP_Inh	1.96840E-05	0.000E+00
238	ALL	417971.66	3727741.53	9.16268E-05	3.33570E-08	2.77YrCancerRMP_Inh	1.83250E-05	0.000E+00
239	ALL	417971.91	3727722.99	8.53748E-05	3.10810E-08	2.77YrCancerRMP_Inh	1.70750E-05	0.000E+00
240	ALL	417972.17	3727704.44	7.96545E-05	2.89990E-08	2.77YrCancerRMP_Inh	1.59310E-05	0.000E+00
241	ALL	417972.42	3727685.89	7.44776E-05	2.71140E-08	2.77YrCancerRMP_Inh	1.48960E-05	0.000E+00
242	ALL	417972.68	3727667.34	6.98160E-05	2.54170E-08	2.77YrCancerRMP_Inh	1.39630E-05	0.000E+00
243	ALL	417972.93	3727648.79	6.56435E-05	2.38980E-08	2.77YrCancerRMP_Inh	1.31290E-05	0.000E+00
244	ALL	417973.18	3727630.25	6.19248E-05	2.25440E-08	2.77YrCancerRMP_Inh	1.23850E-05	0.000E+00
245	ALL	417992.54	3728000.95	1.74088E-04	6.33780E-08	2.77YrCancerRMP_Inh	3.48180E-05	0.000E+00
246	ALL	417985.44	3728017.67	1.83040E-04	6.66370E-08	2.77YrCancerRMP_Inh	3.66080E-05	0.000E+00
247	ALL	417978.34	3728034.38	1.91496E-04	6.97150E-08	2.77YrCancerRMP_Inh	3.82990E-05	0.000E+00
248	ALL	417964.14	3728067.81	2.06543E-04	7.51930E-08	2.77YrCancerRMP_Inh	4.13090E-05	0.000E+00
249	ALL	417957.04	3728084.52	2.12886E-04	7.75030E-08	2.77YrCancerRMP_Inh	4.25770E-05	0.000E+00
250	ALL	417949.94	3728101.24	2.18356E-04	7.94940E-08	2.77YrCancerRMP_Inh	4.36710E-05	0.000E+00
251	ALL	417876.37	3728241.91	2.43547E-04	8.86650E-08	2.77YrCancerRMP_Inh	4.87090E-05	0.000E+00
252	ALL	417859.59	3728248.86	2.53210E-04	9.21830E-08	2.77YrCancerRMP_Inh	5.06420E-05	0.000E+00
253	ALL	417842.82	3728255.82	2.63100E-04	9.57830E-08	2.77YrCancerRMP_Inh	5.26200E-05	0.000E+00
254	ALL	417826.05	3728262.78	2.73167E-04	9.94480E-08	2.77YrCancerRMP_Inh	5.46330E-05	0.000E+00
255	ALL	417809.27	3728269.73	2.83293E-04	1.03130E-07	2.77YrCancerRMP_Inh	5.66590E-05	0.000E+00
256	ALL	417792.50	3728276.69	2.93243E-04	1.06760E-07	2.77YrCancerRMP_Inh	5.86490E-05	0.000E+00
257	ALL	417775.72	3728283.65	3.02748E-04	1.10220E-07	2.77YrCancerRMP_Inh	6.05500E-05	0.000E+00
258	ALL	417758.95	3728290.60	3.11424E-04	1.13380E-07	2.77YrCancerRMP_Inh	6.22850E-05	0.000E+00
259	ALL	417742.17	3728297.56	3.18838E-04	1.16080E-07	2.77YrCancerRMP_Inh	6.37680E-05	0.000E+00
260	ALL	417725.40	3728304.52	3.24508E-04	1.18140E-07	2.77YrCancerRMP_Inh	6.49020E-05	0.000E+00
261	ALL	417708.63	3728311.48	3.27977E-04	1.19400E-07	2.77YrCancerRMP_Inh	6.55950E-05	0.000E+00
262	ALL	417691.85	3728318.43	3.28842E-04	1.19720E-07	2.77YrCancerRMP_Inh	6.57680E-05	0.000E+00
263	ALL	417675.08	3728325.39	3.26756E-04	1.18960E-07	2.77YrCancerRMP_Inh	6.53510E-05	0.000E+00
264	ALL	417658.30	3728332.35	3.21551E-04	1.17060E-07	2.77YrCancerRMP_Inh	6.43100E-05	0.000E+00
265	ALL	417641.53	3728339.30	3.13218E-04	1.14030E-07	2.77YrCancerRMP_Inh	6.26440E-05	0.000E+00
266	ALL	417624.76	3728346.26	3.01892E-04	1.09910E-07	2.77YrCancerRMP_Inh	6.03780E-05	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
267	ALL	417607.98	3728353.22	2.87896E-04	1.04810E-07	2.77YrCancerRMP_Inh	5.75790E-05	0.000E+00
268	ALL	417591.21	3728360.17	2.71708E-04	9.89170E-08	2.77YrCancerRMP_Inh	5.43420E-05	0.000E+00
269	ALL	417574.43	3728367.13	2.53849E-04	9.24150E-08	2.77YrCancerRMP_Inh	5.07700E-05	0.000E+00
270	ALL	417557.66	3728374.09	2.34943E-04	8.55330E-08	2.77YrCancerRMP_Inh	4.69890E-05	0.000E+00
271	ALL	417540.89	3728381.04	2.15597E-04	7.84900E-08	2.77YrCancerRMP_Inh	4.31190E-05	0.000E+00
272	ALL	417524.11	3728388.00	1.96339E-04	7.14780E-08	2.77YrCancerRMP_Inh	3.92680E-05	0.000E+00
273	ALL	417507.34	3728394.96	1.77678E-04	6.46850E-08	2.77YrCancerRMP_Inh	3.55360E-05	0.000E+00
274	ALL	417490.56	3728401.92	1.59971E-04	5.82380E-08	2.77YrCancerRMP_Inh	3.19940E-05	0.000E+00
275	ALL	418070.89	3727798.55	7.41974E-05	2.70120E-08	2.77YrCancerRMP_Inh	1.48390E-05	0.000E+00
276	ALL	418071.14	3727780.00	6.98143E-05	2.54160E-08	2.77YrCancerRMP_Inh	1.39630E-05	0.000E+00
277	ALL	418071.40	3727761.45	6.56941E-05	2.39160E-08	2.77YrCancerRMP_Inh	1.31390E-05	0.000E+00
278	ALL	418071.65	3727742.90	6.18549E-05	2.25190E-08	2.77YrCancerRMP_Inh	1.23710E-05	0.000E+00
279	ALL	418071.90	3727724.36	5.83018E-05	2.12250E-08	2.77YrCancerRMP_Inh	1.16600E-05	0.000E+00
280	ALL	418072.16	3727705.81	5.50328E-05	2.00350E-08	2.77YrCancerRMP_Inh	1.10070E-05	0.000E+00
281	ALL	418072.41	3727687.26	5.20422E-05	1.89460E-08	2.77YrCancerRMP_Inh	1.04080E-05	0.000E+00
282	ALL	418072.67	3727668.71	4.93117E-05	1.79520E-08	2.77YrCancerRMP_Inh	9.86230E-06	0.000E+00
283	ALL	418072.92	3727650.16	4.68282E-05	1.70480E-08	2.77YrCancerRMP_Inh	9.36560E-06	0.000E+00
284	ALL	418073.17	3727631.62	4.45752E-05	1.62280E-08	2.77YrCancerRMP_Inh	8.91500E-06	0.000E+00
285	ALL	418163.48	3727835.28	5.86248E-05	2.13430E-08	2.77YrCancerRMP_Inh	1.17250E-05	0.000E+00
286	ALL	418156.34	3727852.09	6.30855E-05	2.29670E-08	2.77YrCancerRMP_Inh	1.26170E-05	0.000E+00
287	ALL	418149.20	3727868.90	6.79021E-05	2.47200E-08	2.77YrCancerRMP_Inh	1.35800E-05	0.000E+00
288	ALL	418142.06	3727885.71	7.30565E-05	2.65970E-08	2.77YrCancerRMP_Inh	1.46110E-05	0.000E+00
289	ALL	418134.92	3727902.52	7.85524E-05	2.85980E-08	2.77YrCancerRMP_Inh	1.57100E-05	0.000E+00
290	ALL	418127.78	3727919.33	8.43466E-05	3.07070E-08	2.77YrCancerRMP_Inh	1.68690E-05	0.000E+00
291	ALL	418120.64	3727936.14	9.03258E-05	3.28840E-08	2.77YrCancerRMP_Inh	1.80650E-05	0.000E+00
292	ALL	418113.50	3727952.95	9.65315E-05	3.51430E-08	2.77YrCancerRMP_Inh	1.93060E-05	0.000E+00
293	ALL	418106.36	3727969.76	1.02914E-04	3.74660E-08	2.77YrCancerRMP_Inh	2.05830E-05	0.000E+00
294	ALL	418099.22	3727986.57	1.09415E-04	3.98330E-08	2.77YrCancerRMP_Inh	2.18830E-05	0.000E+00
295	ALL	418092.08	3728003.38	1.15968E-04	4.22190E-08	2.77YrCancerRMP_Inh	2.31940E-05	0.000E+00
296	ALL	418084.94	3728020.19	1.22501E-04	4.45970E-08	2.77YrCancerRMP_Inh	2.45000E-05	0.000E+00
297	ALL	418077.80	3728037.00	1.28941E-04	4.69420E-08	2.77YrCancerRMP_Inh	2.57880E-05	0.000E+00
298	ALL	418070.66	3728053.81	1.35207E-04	4.92230E-08	2.77YrCancerRMP_Inh	2.70410E-05	0.000E+00
299	ALL	418063.52	3728070.62	1.41224E-04	5.14140E-08	2.77YrCancerRMP_Inh	2.82450E-05	0.000E+00
300	ALL	418056.38	3728087.43	1.46919E-04	5.34870E-08	2.77YrCancerRMP_Inh	2.93840E-05	0.000E+00
301	ALL	418049.24	3728104.24	1.52224E-04	5.54180E-08	2.77YrCancerRMP_Inh	3.04450E-05	0.000E+00
302	ALL	418042.10	3728121.05	1.57082E-04	5.71870E-08	2.77YrCancerRMP_Inh	3.14160E-05	0.000E+00
303	ALL	418034.95	3728137.86	1.61450E-04	5.87770E-08	2.77YrCancerRMP_Inh	3.22900E-05	0.000E+00
304	ALL	418027.81	3728154.67	1.65287E-04	6.01740E-08	2.77YrCancerRMP_Inh	3.30570E-05	0.000E+00
305	ALL	418020.67	3728171.48	1.68578E-04	6.13720E-08	2.77YrCancerRMP_Inh	3.37160E-05	0.000E+00
306	ALL	418013.53	3728188.29	1.71318E-04	6.23690E-08	2.77YrCancerRMP_Inh	3.42640E-05	0.000E+00
307	ALL	418006.39	3728205.10	1.73520E-04	6.31710E-08	2.77YrCancerRMP_Inh	3.47040E-05	0.000E+00
308	ALL	417999.25	3728221.91	1.75208E-04	6.37860E-08	2.77YrCancerRMP_Inh	3.50420E-05	0.000E+00
309	ALL	417992.11	3728238.72	1.76416E-04	6.42250E-08	2.77YrCancerRMP_Inh	3.52830E-05	0.000E+00
310	ALL	417984.97	3728255.53	1.77193E-04	6.45080E-08	2.77YrCancerRMP_Inh	3.54390E-05	0.000E+00
311	ALL	417977.83	3728272.34	1.77587E-04	6.46520E-08	2.77YrCancerRMP_Inh	3.55170E-05	0.000E+00
312	ALL	417970.69	3728289.15	1.77643E-04	6.46720E-08	2.77YrCancerRMP_Inh	3.55290E-05	0.000E+00
313	ALL	417946.68	3728312.96	1.83499E-04	6.68040E-08	2.77YrCancerRMP_Inh	3.67000E-05	0.000E+00
314	ALL	417929.81	3728319.95	1.89730E-04	6.90720E-08	2.77YrCancerRMP_Inh	3.79460E-05	0.000E+00
315	ALL	417912.94	3728326.95	1.96113E-04	7.13960E-08	2.77YrCancerRMP_Inh	3.92230E-05	0.000E+00
316	ALL	417896.07	3728333.95	2.02641E-04	7.37730E-08	2.77YrCancerRMP_Inh	4.05280E-05	0.000E+00
317	ALL	417879.20	3728340.95	2.09284E-04	7.61910E-08	2.77YrCancerRMP_Inh	4.18570E-05	0.000E+00
318	ALL	417862.33	3728347.94	2.15971E-04	7.86250E-08	2.77YrCancerRMP_Inh	4.31940E-05	0.000E+00
319	ALL	417845.46	3728354.94	2.22584E-04	8.10330E-08	2.77YrCancerRMP_Inh	4.45170E-05	0.000E+00
320	ALL	417828.59	3728361.94	2.28973E-04	8.33590E-08	2.77YrCancerRMP_Inh	4.57950E-05	0.000E+00
321	ALL	417811.72	3728368.93	2.34936E-04	8.55300E-08	2.77YrCancerRMP_Inh	4.69870E-05	0.000E+00
322	ALL	417794.85	3728375.93	2.40228E-04	8.74570E-08	2.77YrCancerRMP_Inh	4.80460E-05	0.000E+00
323	ALL	417777.97	3728382.93	2.44589E-04	8.90440E-08	2.77YrCancerRMP_Inh	4.89180E-05	0.000E+00
324	ALL	417761.10	3728389.92	2.47743E-04	9.01930E-08	2.77YrCancerRMP_Inh	4.95490E-05	0.000E+00
325	ALL	417744.23	3728396.92	2.49424E-04	9.08040E-08	2.77YrCancerRMP_Inh	4.98850E-05	0.000E+00
326	ALL	417727.36	3728403.92	2.49411E-04	9.08000E-08	2.77YrCancerRMP_Inh	4.98820E-05	0.000E+00
327	ALL	417710.49	3728410.91	2.47547E-04	9.01210E-08	2.77YrCancerRMP_Inh	4.95090E-05	0.000E+00
328	ALL	417693.62	3728417.91	2.43721E-04	8.87280E-08	2.77YrCancerRMP_Inh	4.87440E-05	0.000E+00
329	ALL	417676.75	3728424.91	2.37942E-04	8.66240E-08	2.77YrCancerRMP_Inh	4.75880E-05	0.000E+00
330	ALL	417659.88	3728431.90	2.30302E-04	8.38430E-08	2.77YrCancerRMP_Inh	4.60600E-05	0.000E+00
331	ALL	417643.01	3728438.90	2.20959E-04	8.04420E-08	2.77YrCancerRMP_Inh	4.41920E-05	0.000E+00
332	ALL	417626.14	3728445.90	2.10169E-04	7.65130E-08	2.77YrCancerRMP_Inh	4.20340E-05	0.000E+00
333	ALL	417609.27	3728452.90	1.98238E-04	7.21700E-08	2.77YrCancerRMP_Inh	3.96480E-05	0.000E+00
334	ALL	417592.40	3728459.89	1.85506E-04	6.75350E-08	2.77YrCancerRMP_Inh	3.71010E-05	0.000E+00
335	ALL	417575.53	3728466.89	1.72309E-04	6.27300E-08	2.77YrCancerRMP_Inh	3.44620E-05	0.000E+00
336	ALL	417558.66	3728473.89	1.58984E-04	5.78790E-08	2.77YrCancerRMP_Inh	3.17970E-05	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
337	ALL	417541.79	3728480.88	1.45839E-04	5.30940E-08	2.77YrCancerRMP_Inh	2.91680E-05	0.000E+00
338	ALL	417524.92	3728487.88	1.33116E-04	4.84620E-08	2.77YrCancerRMP_Inh	2.66230E-05	0.000E+00
339	ALL	417508.05	3728494.88	1.21024E-04	4.40590E-08	2.77YrCancerRMP_Inh	2.42050E-05	0.000E+00
340	ALL	417491.18	3728501.87	1.09709E-04	3.99400E-08	2.77YrCancerRMP_Inh	2.19420E-05	0.000E+00
341	ALL	418170.62	3727818.47	5.45128E-05	1.98460E-08	2.77YrCancerRMP_Inh	1.09030E-05	0.000E+00
342	ALL	418170.88	3727799.92	5.16898E-05	1.88180E-08	2.77YrCancerRMP_Inh	1.03380E-05	0.000E+00
343	ALL	418171.13	3727781.37	4.90226E-05	1.78470E-08	2.77YrCancerRMP_Inh	9.80450E-06	0.000E+00
344	ALL	418171.39	3727762.82	4.65253E-05	1.69380E-08	2.77YrCancerRMP_Inh	9.30510E-06	0.000E+00
345	ALL	418171.64	3727744.27	4.41892E-05	1.60870E-08	2.77YrCancerRMP_Inh	8.83780E-06	0.000E+00
346	ALL	418171.89	3727725.73	4.20247E-05	1.52990E-08	2.77YrCancerRMP_Inh	8.40490E-06	0.000E+00
347	ALL	418172.15	3727707.18	4.00137E-05	1.45670E-08	2.77YrCancerRMP_Inh	8.00270E-06	0.000E+00
348	ALL	418172.40	3727688.63	3.81634E-05	1.38940E-08	2.77YrCancerRMP_Inh	7.63270E-06	0.000E+00
349	ALL	418172.66	3727670.08	3.64538E-05	1.32710E-08	2.77YrCancerRMP_Inh	7.29080E-06	0.000E+00
350	ALL	418172.91	3727651.53	3.48846E-05	1.27000E-08	2.77YrCancerRMP_Inh	6.97690E-06	0.000E+00
351	ALL	418173.16	3727632.99	3.34375E-05	1.21730E-08	2.77YrCancerRMP_Inh	6.68750E-06	0.000E+00
352	ALL	417458.22	3727612.49	2.59899E-03	9.46180E-07	2.77YrCancerRMP_Inh	5.19800E-04	0.000E+00
353	ALL	417439.85	3727613.71	3.14526E-03	1.14510E-06	2.77YrCancerRMP_Inh	6.29050E-04	0.000E+00
354	ALL	417403.54	3727611.72	3.33583E-03	1.21440E-06	2.77YrCancerRMP_Inh	6.67170E-04	0.000E+00
355	ALL	417365.51	3727614.41	3.37828E-03	1.22990E-06	2.77YrCancerRMP_Inh	6.75660E-04	0.000E+00
356	ALL	417336.57	3727597.19	1.90734E-03	6.94380E-07	2.77YrCancerRMP_Inh	3.81470E-04	0.000E+00
357	ALL	417488.36	3727581.53	8.90080E-04	3.24040E-07	2.77YrCancerRMP_Inh	1.78020E-04	0.000E+00
358	ALL	417460.32	3727575.78	1.00064E-03	3.64290E-07	2.77YrCancerRMP_Inh	2.00130E-04	0.000E+00
359	ALL	417423.27	3727590.50	1.73199E-03	6.30540E-07	2.77YrCancerRMP_Inh	3.46400E-04	0.000E+00
360	ALL	417383.76	3727584.59	1.61141E-03	5.86640E-07	2.77YrCancerRMP_Inh	3.22280E-04	0.000E+00
361	ALL	417341.31	3727582.61	1.44576E-03	5.26340E-07	2.77YrCancerRMP_Inh	2.89150E-04	0.000E+00
362	ALL	417486.84	3727569.26	7.36994E-04	2.68310E-07	2.77YrCancerRMP_Inh	1.47400E-04	0.000E+00
363	ALL	417521.52	3727595.39	7.94293E-04	2.89170E-07	2.77YrCancerRMP_Inh	1.58860E-04	0.000E+00
364	ALL	417454.64	3727563.64	8.29850E-04	3.02110E-07	2.77YrCancerRMP_Inh	1.65970E-04	0.000E+00
365	ALL	417419.07	3727564.12	9.81668E-04	3.57380E-07	2.77YrCancerRMP_Inh	1.96330E-04	0.000E+00
366	ALL	417394.30	3727558.59	9.42350E-04	3.43070E-07	2.77YrCancerRMP_Inh	1.88470E-04	0.000E+00
367	ALL	417347.93	3727565.07	1.07179E-03	3.90190E-07	2.77YrCancerRMP_Inh	2.14360E-04	0.000E+00
368	ALL	417486.57	3727549.27	5.56018E-04	2.02420E-07	2.77YrCancerRMP_Inh	1.11200E-04	0.000E+00
369	ALL	417515.40	3727560.98	5.30144E-04	1.93000E-07	2.77YrCancerRMP_Inh	1.06030E-04	0.000E+00
370	ALL	417535.66	3727581.25	5.70916E-04	2.07850E-07	2.77YrCancerRMP_Inh	1.14180E-04	0.000E+00
371	ALL	417454.38	3727543.64	6.07825E-04	2.21280E-07	2.77YrCancerRMP_Inh	1.21570E-04	0.000E+00
372	ALL	417418.80	3727544.12	6.98722E-04	2.54370E-07	2.77YrCancerRMP_Inh	1.39740E-04	0.000E+00
373	ALL	417383.23	3727544.59	7.60258E-04	2.76780E-07	2.77YrCancerRMP_Inh	1.52050E-04	0.000E+00
374	ALL	417347.66	3727545.07	7.95185E-04	2.89490E-07	2.77YrCancerRMP_Inh	1.59040E-04	0.000E+00
375	ALL	417486.31	3727529.27	4.36713E-04	1.58990E-07	2.77YrCancerRMP_Inh	8.73430E-05	0.000E+00
376	ALL	417515.13	3727540.98	4.24043E-04	1.54380E-07	2.77YrCancerRMP_Inh	8.48090E-05	0.000E+00
377	ALL	417549.81	3727567.11	4.34398E-04	1.58150E-07	2.77YrCancerRMP_Inh	8.68800E-05	0.000E+00
378	ALL	417561.51	3727595.94	5.32672E-04	1.93920E-07	2.77YrCancerRMP_Inh	1.06530E-04	0.000E+00
379	ALL	417454.11	3727523.65	4.67989E-04	1.70370E-07	2.77YrCancerRMP_Inh	9.35980E-05	0.000E+00
380	ALL	417418.54	3727524.12	5.26376E-04	1.91630E-07	2.77YrCancerRMP_Inh	1.05280E-04	0.000E+00
381	ALL	417382.96	3727524.60	5.73119E-04	2.08650E-07	2.77YrCancerRMP_Inh	1.14620E-04	0.000E+00
382	ALL	417347.39	3727525.07	6.18578E-04	2.25200E-07	2.77YrCancerRMP_Inh	1.23720E-04	0.000E+00
383	ALL	417486.04	3727509.27	3.53412E-04	1.28660E-07	2.77YrCancerRMP_Inh	7.06820E-05	0.000E+00
384	ALL	417514.86	3727520.99	3.47493E-04	1.26510E-07	2.77YrCancerRMP_Inh	6.94990E-05	0.000E+00
385	ALL	417543.69	3727532.70	3.28963E-04	1.19760E-07	2.77YrCancerRMP_Inh	6.57930E-05	0.000E+00
386	ALL	417563.95	3727552.98	3.43624E-04	1.25100E-07	2.77YrCancerRMP_Inh	6.87250E-05	0.000E+00
387	ALL	417575.66	3727581.80	4.07024E-04	1.48180E-07	2.77YrCancerRMP_Inh	8.14050E-05	0.000E+00
388	ALL	417453.84	3727503.65	3.73386E-04	1.35930E-07	2.77YrCancerRMP_Inh	7.46770E-05	0.000E+00
389	ALL	417418.27	3727504.12	4.13284E-04	1.50460E-07	2.77YrCancerRMP_Inh	8.26570E-05	0.000E+00
390	ALL	417382.70	3727504.60	4.49828E-04	1.63760E-07	2.77YrCancerRMP_Inh	8.99660E-05	0.000E+00
391	ALL	417347.12	3727505.07	4.98543E-04	1.81500E-07	2.77YrCancerRMP_Inh	9.97090E-05	0.000E+00
392	ALL	417485.77	3727489.27	2.92830E-04	1.06610E-07	2.77YrCancerRMP_Inh	5.85660E-05	0.000E+00
393	ALL	417514.60	3727500.99	2.90389E-04	1.05720E-07	2.77YrCancerRMP_Inh	5.80780E-05	0.000E+00
394	ALL	417543.42	3727512.70	2.78838E-04	1.01510E-07	2.77YrCancerRMP_Inh	5.57680E-05	0.000E+00
395	ALL	417578.10	3727538.84	2.79665E-04	1.01810E-07	2.77YrCancerRMP_Inh	5.59330E-05	0.000E+00
396	ALL	417589.80	3727567.66	3.23132E-04	1.17640E-07	2.77YrCancerRMP_Inh	6.46260E-05	0.000E+00
397	ALL	417601.51	3727596.49	3.76976E-04	1.37240E-07	2.77YrCancerRMP_Inh	7.53950E-05	0.000E+00
398	ALL	417453.57	3727483.65	3.06257E-04	1.11490E-07	2.77YrCancerRMP_Inh	6.12510E-05	0.000E+00
399	ALL	417418.00	3727484.12	3.34936E-04	1.21940E-07	2.77YrCancerRMP_Inh	6.69870E-05	0.000E+00
400	ALL	417382.43	3727484.60	3.64258E-04	1.32610E-07	2.77YrCancerRMP_Inh	7.28520E-05	0.000E+00
401	ALL	417346.86	3727485.07	4.12500E-04	1.50170E-07	2.77YrCancerRMP_Inh	8.25000E-05	0.000E+00
402	ALL	417487.56	3727470.11	2.47652E-04	9.01590E-08	2.77YrCancerRMP_Inh	4.95300E-05	0.000E+00
403	ALL	417520.50	3727483.50	2.45840E-04	8.95000E-08	2.77YrCancerRMP_Inh	4.91680E-05	0.000E+00
404	ALL	417553.45	3727496.89	2.35505E-04	8.57370E-08	2.77YrCancerRMP_Inh	4.71010E-05	0.000E+00
405	ALL	417593.08	3727526.75	2.34857E-04	8.55010E-08	2.77YrCancerRMP_Inh	4.69710E-05	0.000E+00
406	ALL	417606.46	3727559.70	2.71155E-04	9.87160E-08	2.77YrCancerRMP_Inh	5.42310E-05	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
407	ALL	417619.84	3727592.65	3.16085E-04	1.15070E-07	2.77YrCancerRMP_Inh	6.32170E-05	0.000E+00
408	ALL	417453.31	3727463.65	2.56944E-04	9.35420E-08	2.77YrCancerRMP_Inh	5.13890E-05	0.000E+00
409	ALL	417417.73	3727464.13	2.78478E-04	1.01380E-07	2.77YrCancerRMP_Inh	5.56960E-05	0.000E+00
410	ALL	417382.16	3727464.60	3.02417E-04	1.10100E-07	2.77YrCancerRMP_Inh	6.04830E-05	0.000E+00
411	ALL	417346.59	3727465.08	3.47820E-04	1.26630E-07	2.77YrCancerRMP_Inh	6.95640E-05	0.000E+00
412	ALL	417487.04	3727450.01	2.13018E-04	7.75500E-08	2.77YrCancerRMP_Inh	4.26040E-05	0.000E+00
413	ALL	417519.47	3727463.19	2.12568E-04	7.73870E-08	2.77YrCancerRMP_Inh	4.25140E-05	0.000E+00
414	ALL	417551.89	3727476.37	2.06016E-04	7.50020E-08	2.77YrCancerRMP_Inh	4.12030E-05	0.000E+00
415	ALL	417584.32	3727489.55	1.94155E-04	7.06830E-08	2.77YrCancerRMP_Inh	3.88310E-05	0.000E+00
416	ALL	417607.12	3727512.36	1.98735E-04	7.23510E-08	2.77YrCancerRMP_Inh	3.97470E-05	0.000E+00
417	ALL	417620.29	3727544.79	2.24875E-04	8.18670E-08	2.77YrCancerRMP_Inh	4.49750E-05	0.000E+00
418	ALL	417633.46	3727577.22	2.55924E-04	9.31710E-08	2.77YrCancerRMP_Inh	5.11850E-05	0.000E+00
419	ALL	417453.04	3727443.65	2.19855E-04	8.00400E-08	2.77YrCancerRMP_Inh	4.39710E-05	0.000E+00
420	ALL	417417.47	3727444.13	2.36559E-04	8.61210E-08	2.77YrCancerRMP_Inh	4.73120E-05	0.000E+00
421	ALL	417381.90	3727444.60	2.56387E-04	9.33390E-08	2.77YrCancerRMP_Inh	5.12770E-05	0.000E+00
422	ALL	417346.32	3727445.08	2.97086E-04	1.08160E-07	2.77YrCancerRMP_Inh	5.94170E-05	0.000E+00
423	ALL	417486.57	3727429.93	1.86280E-04	6.78170E-08	2.77YrCancerRMP_Inh	3.72560E-05	0.000E+00
424	ALL	417518.60	3727442.95	1.86372E-04	6.78500E-08	2.77YrCancerRMP_Inh	3.72740E-05	0.000E+00
425	ALL	417550.62	3727455.97	1.82084E-04	6.62890E-08	2.77YrCancerRMP_Inh	3.64170E-05	0.000E+00
426	ALL	417582.65	3727468.98	1.73565E-04	6.31870E-08	2.77YrCancerRMP_Inh	3.47130E-05	0.000E+00
427	ALL	417621.18	3727498.02	1.70934E-04	6.22300E-08	2.77YrCancerRMP_Inh	3.41870E-05	0.000E+00
428	ALL	417634.19	3727530.05	1.90258E-04	6.92650E-08	2.77YrCancerRMP_Inh	3.80520E-05	0.000E+00
429	ALL	417647.20	3727562.08	2.12585E-04	7.73930E-08	2.77YrCancerRMP_Inh	4.25170E-05	0.000E+00
430	ALL	417660.20	3727594.11	2.39927E-04	8.73470E-08	2.77YrCancerRMP_Inh	4.79850E-05	0.000E+00
431	ALL	417452.77	3727423.66	1.91601E-04	6.97540E-08	2.77YrCancerRMP_Inh	3.83200E-05	0.000E+00
432	ALL	417417.20	3727424.13	2.04907E-04	7.45980E-08	2.77YrCancerRMP_Inh	4.09810E-05	0.000E+00
433	ALL	417381.63	3727424.61	2.21557E-04	8.06590E-08	2.77YrCancerRMP_Inh	4.43110E-05	0.000E+00
434	ALL	417346.06	3727425.08	2.56235E-04	9.32840E-08	2.77YrCancerRMP_Inh	5.12470E-05	0.000E+00
435	ALL	417485.62	3727392.25	1.51892E-04	5.52970E-08	2.77YrCancerRMP_Inh	3.03780E-05	0.000E+00
436	ALL	417516.73	3727404.89	1.51623E-04	5.51990E-08	2.77YrCancerRMP_Inh	3.03250E-05	0.000E+00
437	ALL	417547.85	3727417.54	1.49209E-04	5.43200E-08	2.77YrCancerRMP_Inh	2.98420E-05	0.000E+00
438	ALL	417578.96	3727430.19	1.44292E-04	5.25310E-08	2.77YrCancerRMP_Inh	2.88580E-05	0.000E+00
439	ALL	417610.08	3727442.84	1.37199E-04	4.99480E-08	2.77YrCancerRMP_Inh	2.74400E-05	0.000E+00
440	ALL	417647.52	3727471.05	1.33728E-04	4.86840E-08	2.77YrCancerRMP_Inh	2.67460E-05	0.000E+00
441	ALL	417660.15	3727502.17	1.44933E-04	5.27640E-08	2.77YrCancerRMP_Inh	2.89870E-05	0.000E+00
442	ALL	417672.79	3727533.29	1.57627E-04	5.73850E-08	2.77YrCancerRMP_Inh	3.15250E-05	0.000E+00
443	ALL	417685.43	3727564.41	1.72420E-04	6.27710E-08	2.77YrCancerRMP_Inh	3.44840E-05	0.000E+00
444	ALL	417698.07	3727595.53	1.90391E-04	6.93130E-08	2.77YrCancerRMP_Inh	3.80780E-05	0.000E+00
445	ALL	417452.27	3727386.16	1.55937E-04	5.67700E-08	2.77YrCancerRMP_Inh	3.11870E-05	0.000E+00
446	ALL	417416.70	3727386.63	1.65205E-04	6.01440E-08	2.77YrCancerRMP_Inh	3.30410E-05	0.000E+00
447	ALL	417381.13	3727387.11	1.77742E-04	6.47080E-08	2.77YrCancerRMP_Inh	3.55480E-05	0.000E+00
448	ALL	417345.56	3727387.58	2.02655E-04	7.37780E-08	2.77YrCancerRMP_Inh	4.05310E-05	0.000E+00
449	ALL	417484.80	3727354.62	1.35164E-04	4.92070E-08	2.77YrCancerRMP_Inh	2.70330E-05	0.000E+00
450	ALL	417515.29	3727367.01	1.32414E-04	4.82060E-08	2.77YrCancerRMP_Inh	2.64830E-05	0.000E+00
451	ALL	417545.77	3727379.41	1.29333E-04	4.70850E-08	2.77YrCancerRMP_Inh	2.58670E-05	0.000E+00
452	ALL	417576.26	3727391.80	1.25214E-04	4.55850E-08	2.77YrCancerRMP_Inh	2.50430E-05	0.000E+00
453	ALL	417606.75	3727404.19	1.19895E-04	4.36490E-08	2.77YrCancerRMP_Inh	2.39790E-05	0.000E+00
454	ALL	417637.23	3727416.59	1.13574E-04	4.13470E-08	2.77YrCancerRMP_Inh	2.27150E-05	0.000E+00
455	ALL	417673.91	3727444.22	1.09297E-04	3.97900E-08	2.77YrCancerRMP_Inh	2.18590E-05	0.000E+00
456	ALL	417686.29	3727474.71	1.15676E-04	4.21130E-08	2.77YrCancerRMP_Inh	2.31350E-05	0.000E+00
457	ALL	417698.67	3727505.20	1.23165E-04	4.48390E-08	2.77YrCancerRMP_Inh	2.46330E-05	0.000E+00
458	ALL	417711.06	3727535.69	1.31813E-04	4.79870E-08	2.77YrCancerRMP_Inh	2.63630E-05	0.000E+00
459	ALL	417723.44	3727566.19	1.42020E-04	5.17030E-08	2.77YrCancerRMP_Inh	2.84040E-05	0.000E+00
460	ALL	417735.82	3727596.68	1.54360E-04	5.61960E-08	2.77YrCancerRMP_Inh	3.08720E-05	0.000E+00
461	ALL	417451.77	3727348.66	1.40074E-04	5.09950E-08	2.77YrCancerRMP_Inh	2.80150E-05	0.000E+00
462	ALL	417416.20	3727349.14	1.47609E-04	5.37380E-08	2.77YrCancerRMP_Inh	2.95220E-05	0.000E+00
463	ALL	417380.63	3727349.61	1.59135E-04	5.79340E-08	2.77YrCancerRMP_Inh	3.18270E-05	0.000E+00
464	ALL	417345.05	3727350.09	1.83863E-04	6.69370E-08	2.77YrCancerRMP_Inh	3.67730E-05	0.000E+00
465	ALL	417485.14	3727317.47	1.48316E-04	5.39960E-08	2.77YrCancerRMP_Inh	2.96630E-05	0.000E+00
466	ALL	417517.31	3727330.54	1.32957E-04	4.84040E-08	2.77YrCancerRMP_Inh	2.65910E-05	0.000E+00
467	ALL	417549.48	3727343.62	1.23642E-04	4.50130E-08	2.77YrCancerRMP_Inh	2.47280E-05	0.000E+00
468	ALL	417581.65	3727356.70	1.16289E-04	4.23360E-08	2.77YrCancerRMP_Inh	2.32580E-05	0.000E+00
469	ALL	417613.82	3727369.77	1.09442E-04	3.98430E-08	2.77YrCancerRMP_Inh	2.18880E-05	0.000E+00
470	ALL	417645.99	3727382.85	1.02614E-04	3.73570E-08	2.77YrCancerRMP_Inh	2.05230E-05	0.000E+00
471	ALL	417678.15	3727395.93	9.57522E-05	3.48590E-08	2.77YrCancerRMP_Inh	1.91500E-05	0.000E+00
472	ALL	417700.77	3727418.55	9.32363E-05	3.39430E-08	2.77YrCancerRMP_Inh	1.86470E-05	0.000E+00
473	ALL	417713.84	3727450.73	9.65204E-05	3.51390E-08	2.77YrCancerRMP_Inh	1.93040E-05	0.000E+00
474	ALL	417726.90	3727482.90	1.01146E-04	3.68230E-08	2.77YrCancerRMP_Inh	2.02290E-05	0.000E+00
475	ALL	417739.97	3727515.07	1.06832E-04	3.88930E-08	2.77YrCancerRMP_Inh	2.13660E-05	0.000E+00
476	ALL	417753.04	3727547.25	1.13672E-04	4.13830E-08	2.77YrCancerRMP_Inh	2.27340E-05	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
477	ALL	417766.10	3727579.42	1.21984E-04	4.44090E-08	2.77YrCancerRMP_Inh	2.43970E-05	0.000E+00
478	ALL	417451.27	3727311.17	1.65291E-04	6.01750E-08	2.77YrCancerRMP_Inh	3.30580E-05	0.000E+00
479	ALL	417415.70	3727311.64	1.81123E-04	6.59390E-08	2.77YrCancerRMP_Inh	3.62250E-05	0.000E+00
480	ALL	417380.13	3727312.12	1.74771E-04	6.36270E-08	2.77YrCancerRMP_Inh	3.49540E-05	0.000E+00
481	ALL	417344.55	3727312.59	1.48237E-04	5.39670E-08	2.77YrCancerRMP_Inh	2.96470E-05	0.000E+00
482	ALL	417484.32	3727279.84	1.30174E-04	4.73910E-08	2.77YrCancerRMP_Inh	2.60350E-05	0.000E+00
483	ALL	417515.84	3727292.65	1.31437E-04	4.78510E-08	2.77YrCancerRMP_Inh	2.62870E-05	0.000E+00
484	ALL	417547.37	3727305.47	1.69745E-04	6.17970E-08	2.77YrCancerRMP_Inh	3.39490E-05	0.000E+00
485	ALL	417578.90	3727318.29	1.34733E-04	4.90500E-08	2.77YrCancerRMP_Inh	2.69470E-05	0.000E+00
486	ALL	417610.42	3727331.10	1.16991E-04	4.25910E-08	2.77YrCancerRMP_Inh	2.33980E-05	0.000E+00
487	ALL	417641.95	3727343.92	1.05142E-04	3.82780E-08	2.77YrCancerRMP_Inh	2.10280E-05	0.000E+00
488	ALL	417673.47	3727356.73	9.58767E-05	3.49050E-08	2.77YrCancerRMP_Inh	1.91750E-05	0.000E+00
489	ALL	417705.00	3727369.55	8.79683E-05	3.20250E-08	2.77YrCancerRMP_Inh	1.75940E-05	0.000E+00
490	ALL	417727.16	3727391.72	8.31465E-05	3.02700E-08	2.77YrCancerRMP_Inh	1.66290E-05	0.000E+00
491	ALL	417739.97	3727423.25	8.31731E-05	3.02800E-08	2.77YrCancerRMP_Inh	1.66350E-05	0.000E+00
492	ALL	417752.77	3727454.78	8.50834E-05	3.09750E-08	2.77YrCancerRMP_Inh	1.70170E-05	0.000E+00
493	ALL	417765.58	3727486.31	8.81522E-05	3.20920E-08	2.77YrCancerRMP_Inh	1.76300E-05	0.000E+00
494	ALL	417778.38	3727517.84	9.21411E-05	3.35450E-08	2.77YrCancerRMP_Inh	1.84280E-05	0.000E+00
495	ALL	417791.19	3727549.37	9.70609E-05	3.53360E-08	2.77YrCancerRMP_Inh	1.94120E-05	0.000E+00
496	ALL	417803.99	3727580.90	1.03092E-04	3.75310E-08	2.77YrCancerRMP_Inh	2.06180E-05	0.000E+00
497	ALL	417450.77	3727273.67	1.12985E-04	4.11330E-08	2.77YrCancerRMP_Inh	2.25970E-05	0.000E+00
498	ALL	417415.20	3727274.14	1.09503E-04	3.98650E-08	2.77YrCancerRMP_Inh	2.19010E-05	0.000E+00
499	ALL	417379.63	3727274.62	1.04323E-04	3.79800E-08	2.77YrCancerRMP_Inh	2.08650E-05	0.000E+00
500	ALL	417344.05	3727275.09	9.95068E-05	3.62260E-08	2.77YrCancerRMP_Inh	1.99010E-05	0.000E+00
501	ALL	417484.48	3727242.61	7.61414E-05	2.77200E-08	2.77YrCancerRMP_Inh	1.52280E-05	0.000E+00
502	ALL	417517.33	3727255.97	8.47755E-05	3.08630E-08	2.77YrCancerRMP_Inh	1.69550E-05	0.000E+00
503	ALL	417550.18	3727269.32	9.93750E-05	3.61780E-08	2.77YrCancerRMP_Inh	1.98750E-05	0.000E+00
504	ALL	417583.03	3727282.67	1.32124E-04	4.81000E-08	2.77YrCancerRMP_Inh	2.64250E-05	0.000E+00
505	ALL	417615.88	3727296.03	1.21459E-04	4.42180E-08	2.77YrCancerRMP_Inh	2.42920E-05	0.000E+00
506	ALL	417648.73	3727309.38	1.39208E-04	5.06800E-08	2.77YrCancerRMP_Inh	2.78420E-05	0.000E+00
507	ALL	417681.58	3727322.74	1.10493E-04	4.02260E-08	2.77YrCancerRMP_Inh	2.20990E-05	0.000E+00
508	ALL	417714.43	3727336.09	9.44946E-05	3.44010E-08	2.77YrCancerRMP_Inh	1.88990E-05	0.000E+00
509	ALL	417753.95	3727365.87	7.86297E-05	2.86260E-08	2.77YrCancerRMP_Inh	1.57260E-05	0.000E+00
510	ALL	417767.29	3727398.72	7.47312E-05	2.72060E-08	2.77YrCancerRMP_Inh	1.49460E-05	0.000E+00
511	ALL	417780.64	3727431.58	7.43007E-05	2.70500E-08	2.77YrCancerRMP_Inh	1.48600E-05	0.000E+00
512	ALL	417793.98	3727464.43	7.55969E-05	2.75220E-08	2.77YrCancerRMP_Inh	1.51190E-05	0.000E+00
513	ALL	417807.32	3727497.29	7.79764E-05	2.83880E-08	2.77YrCancerRMP_Inh	1.55950E-05	0.000E+00
514	ALL	417820.67	3727530.14	8.12163E-05	2.95670E-08	2.77YrCancerRMP_Inh	1.62430E-05	0.000E+00
515	ALL	417834.01	3727563.00	8.53471E-05	3.10710E-08	2.77YrCancerRMP_Inh	1.70690E-05	0.000E+00
516	ALL	417847.35	3727595.85	9.04830E-05	3.29410E-08	2.77YrCancerRMP_Inh	1.80970E-05	0.000E+00
517	ALL	417450.27	3727236.17	7.34825E-05	2.67520E-08	2.77YrCancerRMP_Inh	1.46970E-05	0.000E+00
518	ALL	417414.70	3727236.65	7.42294E-05	2.70240E-08	2.77YrCancerRMP_Inh	1.48460E-05	0.000E+00
519	ALL	417379.12	3727237.12	7.44218E-05	2.70940E-08	2.77YrCancerRMP_Inh	1.48840E-05	0.000E+00
520	ALL	417343.55	3727237.60	7.44464E-05	2.71030E-08	2.77YrCancerRMP_Inh	1.48890E-05	0.000E+00
521	ALL	417483.67	3727204.99	5.93911E-05	2.16220E-08	2.77YrCancerRMP_Inh	1.18780E-05	0.000E+00
522	ALL	417515.91	3727218.09	6.25731E-05	2.27800E-08	2.77YrCancerRMP_Inh	1.25150E-05	0.000E+00
523	ALL	417548.15	3727231.20	6.61952E-05	2.40990E-08	2.77YrCancerRMP_Inh	1.32390E-05	0.000E+00
524	ALL	417580.38	3727244.30	7.08749E-05	2.58020E-08	2.77YrCancerRMP_Inh	1.41750E-05	0.000E+00
525	ALL	417612.62	3727257.41	7.83043E-05	2.85070E-08	2.77YrCancerRMP_Inh	1.56610E-05	0.000E+00
526	ALL	417644.86	3727270.51	9.30221E-05	3.38650E-08	2.77YrCancerRMP_Inh	1.86040E-05	0.000E+00
527	ALL	417677.09	3727283.62	1.14733E-04	4.17690E-08	2.77YrCancerRMP_Inh	2.29470E-05	0.000E+00
528	ALL	417709.33	3727296.72	1.09464E-04	3.98510E-08	2.77YrCancerRMP_Inh	2.18930E-05	0.000E+00
529	ALL	417741.57	3727309.83	1.20472E-04	4.38590E-08	2.77YrCancerRMP_Inh	2.40940E-05	0.000E+00
530	ALL	417780.35	3727339.05	8.19532E-05	2.98360E-08	2.77YrCancerRMP_Inh	1.63910E-05	0.000E+00
531	ALL	417793.44	3727371.29	7.09265E-05	2.58210E-08	2.77YrCancerRMP_Inh	1.41850E-05	0.000E+00
532	ALL	417806.54	3727403.53	6.71769E-05	2.44560E-08	2.77YrCancerRMP_Inh	1.34350E-05	0.000E+00
533	ALL	417819.63	3727435.77	6.63855E-05	2.41680E-08	2.77YrCancerRMP_Inh	1.32770E-05	0.000E+00
534	ALL	417832.72	3727468.01	6.70868E-05	2.44230E-08	2.77YrCancerRMP_Inh	1.34170E-05	0.000E+00
535	ALL	417845.82	3727500.26	6.87217E-05	2.50190E-08	2.77YrCancerRMP_Inh	1.37440E-05	0.000E+00
536	ALL	417858.91	3727532.50	7.10930E-05	2.58820E-08	2.77YrCancerRMP_Inh	1.42190E-05	0.000E+00
537	ALL	417872.00	3727564.74	7.41776E-05	2.70050E-08	2.77YrCancerRMP_Inh	1.48360E-05	0.000E+00
538	ALL	417449.77	3727198.68	5.84609E-05	2.12830E-08	2.77YrCancerRMP_Inh	1.16920E-05	0.000E+00
539	ALL	417414.20	3727199.15	5.93517E-05	2.16070E-08	2.77YrCancerRMP_Inh	1.18700E-05	0.000E+00
540	ALL	417378.62	3727199.63	5.99800E-05	2.18360E-08	2.77YrCancerRMP_Inh	1.19960E-05	0.000E+00
541	ALL	417343.05	3727200.10	6.04635E-05	2.20120E-08	2.77YrCancerRMP_Inh	1.20930E-05	0.000E+00
542	ALL	417482.92	3727167.39	4.95245E-05	1.80300E-08	2.77YrCancerRMP_Inh	9.90490E-06	0.000E+00
543	ALL	417514.66	3727180.30	5.13982E-05	1.87120E-08	2.77YrCancerRMP_Inh	1.02800E-05	0.000E+00
544	ALL	417546.40	3727193.20	5.32161E-05	1.93740E-08	2.77YrCancerRMP_Inh	1.06430E-05	0.000E+00
545	ALL	417578.14	3727206.10	5.50235E-05	2.00320E-08	2.77YrCancerRMP_Inh	1.10050E-05	0.000E+00
546	ALL	417609.88	3727219.00	5.69667E-05	2.07390E-08	2.77YrCancerRMP_Inh	1.13930E-05	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
547	ALL	417641.62	3727231.91	5.94145E-05	2.16300E-08	2.77YrCancerRMP_Inh	1.18830E-05	0.000E+00
548	ALL	417673.36	3727244.81	6.31747E-05	2.29990E-08	2.77YrCancerRMP_Inh	1.26350E-05	0.000E+00
549	ALL	417705.10	3727257.71	7.01760E-05	2.55480E-08	2.77YrCancerRMP_Inh	1.40350E-05	0.000E+00
550	ALL	417736.84	3727270.61	8.54558E-05	3.11110E-08	2.77YrCancerRMP_Inh	1.70910E-05	0.000E+00
551	ALL	417768.58	3727283.52	9.09547E-05	3.31130E-08	2.77YrCancerRMP_Inh	1.81910E-05	0.000E+00
552	ALL	417806.77	3727312.29	1.05179E-04	3.82910E-08	2.77YrCancerRMP_Inh	2.10360E-05	0.000E+00
553	ALL	417819.66	3727344.04	7.35265E-05	2.67680E-08	2.77YrCancerRMP_Inh	1.47050E-05	0.000E+00
554	ALL	417832.55	3727375.78	6.38446E-05	2.32430E-08	2.77YrCancerRMP_Inh	1.27690E-05	0.000E+00
555	ALL	417845.44	3727407.52	6.03641E-05	2.19760E-08	2.77YrCancerRMP_Inh	1.20730E-05	0.000E+00
556	ALL	417858.34	3727439.27	5.94139E-05	2.16300E-08	2.77YrCancerRMP_Inh	1.18830E-05	0.000E+00
557	ALL	417871.23	3727471.01	5.97385E-05	2.17480E-08	2.77YrCancerRMP_Inh	1.19480E-05	0.000E+00
558	ALL	417884.12	3727502.76	6.08652E-05	2.21580E-08	2.77YrCancerRMP_Inh	1.21730E-05	0.000E+00
559	ALL	417449.27	3727161.18	4.90387E-05	1.78530E-08	2.77YrCancerRMP_Inh	9.80770E-06	0.000E+00
560	ALL	417413.70	3727161.65	4.98047E-05	1.81320E-08	2.77YrCancerRMP_Inh	9.96090E-06	0.000E+00
561	ALL	417378.12	3727162.13	5.03999E-05	1.83480E-08	2.77YrCancerRMP_Inh	1.00800E-05	0.000E+00
562	ALL	417342.55	3727162.60	5.08818E-05	1.85240E-08	2.77YrCancerRMP_Inh	1.01760E-05	0.000E+00
563	ALL	417482.93	3727130.10	4.25222E-05	1.54800E-08	2.77YrCancerRMP_Inh	8.50440E-06	0.000E+00
564	ALL	417515.68	3727143.42	4.38933E-05	1.59800E-08	2.77YrCancerRMP_Inh	8.77870E-06	0.000E+00
565	ALL	417548.44	3727156.73	4.51400E-05	1.64330E-08	2.77YrCancerRMP_Inh	9.02800E-06	0.000E+00
566	ALL	417581.19	3727170.05	4.62416E-05	1.68350E-08	2.77YrCancerRMP_Inh	9.24830E-06	0.000E+00
567	ALL	417613.95	3727183.36	4.71922E-05	1.71810E-08	2.77YrCancerRMP_Inh	9.43840E-06	0.000E+00
568	ALL	417646.70	3727196.68	4.80613E-05	1.74970E-08	2.77YrCancerRMP_Inh	9.61230E-06	0.000E+00
569	ALL	417679.45	3727209.99	4.89898E-05	1.78350E-08	2.77YrCancerRMP_Inh	9.79800E-06	0.000E+00
570	ALL	417712.21	3727223.31	5.02743E-05	1.83030E-08	2.77YrCancerRMP_Inh	1.00550E-05	0.000E+00
571	ALL	417744.96	3727236.62	5.24824E-05	1.91070E-08	2.77YrCancerRMP_Inh	1.04960E-05	0.000E+00
572	ALL	417777.71	3727249.93	5.68140E-05	2.06840E-08	2.77YrCancerRMP_Inh	1.13630E-05	0.000E+00
573	ALL	417810.47	3727263.25	6.59985E-05	2.40270E-08	2.77YrCancerRMP_Inh	1.32000E-05	0.000E+00
574	ALL	417833.50	3727286.29	8.69631E-05	3.16590E-08	2.77YrCancerRMP_Inh	1.73930E-05	0.000E+00
575	ALL	417846.80	3727319.04	8.76777E-05	3.19200E-08	2.77YrCancerRMP_Inh	1.75360E-05	0.000E+00
576	ALL	417860.10	3727351.80	6.37126E-05	2.31950E-08	2.77YrCancerRMP_Inh	1.27430E-05	0.000E+00
577	ALL	417873.41	3727384.56	5.63165E-05	2.05020E-08	2.77YrCancerRMP_Inh	1.12630E-05	0.000E+00
578	ALL	417886.71	3727417.32	5.36783E-05	1.95420E-08	2.77YrCancerRMP_Inh	1.07360E-05	0.000E+00
579	ALL	417939.92	3727548.35	5.59567E-05	2.03710E-08	2.77YrCancerRMP_Inh	1.11910E-05	0.000E+00
580	ALL	417953.23	3727581.11	5.79545E-05	2.10990E-08	2.77YrCancerRMP_Inh	1.15910E-05	0.000E+00
581	ALL	417448.77	3727123.68	4.21833E-05	1.53570E-08	2.77YrCancerRMP_Inh	8.43670E-06	0.000E+00
582	ALL	417413.20	3727124.16	4.28192E-05	1.55890E-08	2.77YrCancerRMP_Inh	8.56380E-06	0.000E+00
583	ALL	417377.62	3727124.63	4.33272E-05	1.57740E-08	2.77YrCancerRMP_Inh	8.66540E-06	0.000E+00
584	ALL	417342.05	3727125.11	4.37499E-05	1.59270E-08	2.77YrCancerRMP_Inh	8.75000E-06	0.000E+00
585	ALL	417481.23	3727029.96	3.03886E-05	1.10630E-08	2.77YrCancerRMP_Inh	6.07770E-06	0.000E+00
586	ALL	417513.26	3727042.98	3.11069E-05	1.13250E-08	2.77YrCancerRMP_Inh	6.22140E-06	0.000E+00
587	ALL	417545.28	3727056.00	3.17504E-05	1.15590E-08	2.77YrCancerRMP_Inh	6.35010E-06	0.000E+00
588	ALL	417577.31	3727069.02	3.22899E-05	1.17550E-08	2.77YrCancerRMP_Inh	6.45800E-06	0.000E+00
589	ALL	417609.33	3727082.04	3.27022E-05	1.19050E-08	2.77YrCancerRMP_Inh	6.54040E-06	0.000E+00
590	ALL	417641.36	3727095.06	3.29632E-05	1.20000E-08	2.77YrCancerRMP_Inh	6.59260E-06	0.000E+00
591	ALL	417673.39	3727108.08	3.30595E-05	1.20360E-08	2.77YrCancerRMP_Inh	6.61190E-06	0.000E+00
592	ALL	417705.41	3727121.10	3.29896E-05	1.20100E-08	2.77YrCancerRMP_Inh	6.59790E-06	0.000E+00
593	ALL	417737.44	3727134.11	3.27571E-05	1.19250E-08	2.77YrCancerRMP_Inh	6.55140E-06	0.000E+00
594	ALL	417769.46	3727147.13	3.23821E-05	1.17890E-08	2.77YrCancerRMP_Inh	6.47640E-06	0.000E+00
595	ALL	417801.49	3727160.15	3.18736E-05	1.16040E-08	2.77YrCancerRMP_Inh	6.37470E-06	0.000E+00
596	ALL	417833.51	3727173.17	3.12396E-05	1.13730E-08	2.77YrCancerRMP_Inh	6.24790E-06	0.000E+00
597	ALL	417865.54	3727186.19	3.04440E-05	1.10830E-08	2.77YrCancerRMP_Inh	6.08880E-06	0.000E+00
598	ALL	417930.09	3727279.28	3.68358E-05	1.34100E-08	2.77YrCancerRMP_Inh	7.36720E-06	0.000E+00
599	ALL	417943.09	3727311.31	3.73776E-05	1.36080E-08	2.77YrCancerRMP_Inh	7.47550E-06	0.000E+00
600	ALL	417956.10	3727343.34	3.70968E-05	1.35050E-08	2.77YrCancerRMP_Inh	7.41940E-06	0.000E+00
601	ALL	417969.11	3727375.37	3.70450E-05	1.34860E-08	2.77YrCancerRMP_Inh	7.40900E-06	0.000E+00
602	ALL	417982.12	3727407.40	3.72347E-05	1.35560E-08	2.77YrCancerRMP_Inh	7.44690E-06	0.000E+00
603	ALL	417995.13	3727439.43	3.76524E-05	1.37080E-08	2.77YrCancerRMP_Inh	7.53050E-06	0.000E+00
604	ALL	418008.13	3727471.46	3.82775E-05	1.39350E-08	2.77YrCancerRMP_Inh	7.65550E-06	0.000E+00
605	ALL	418021.14	3727503.50	3.90969E-05	1.42330E-08	2.77YrCancerRMP_Inh	7.81940E-06	0.000E+00
606	ALL	418034.15	3727535.53	4.01205E-05	1.46060E-08	2.77YrCancerRMP_Inh	8.02410E-06	0.000E+00
607	ALL	418047.16	3727567.56	4.13597E-05	1.50570E-08	2.77YrCancerRMP_Inh	8.27190E-06	0.000E+00
608	ALL	418060.17	3727599.59	4.28384E-05	1.55960E-08	2.77YrCancerRMP_Inh	8.56770E-06	0.000E+00
609	ALL	417447.43	3727023.69	3.02385E-05	1.10090E-08	2.77YrCancerRMP_Inh	6.04770E-06	0.000E+00
610	ALL	417411.86	3727024.17	3.06345E-05	1.11530E-08	2.77YrCancerRMP_Inh	6.12690E-06	0.000E+00
611	ALL	417376.29	3727024.64	3.09624E-05	1.12720E-08	2.77YrCancerRMP_Inh	6.19250E-06	0.000E+00
612	ALL	417480.15	3726930.08	2.31896E-05	8.44230E-09	2.77YrCancerRMP_Inh	4.63790E-06	0.000E+00
613	ALL	417512.70	3726943.31	2.36415E-05	8.60680E-09	2.77YrCancerRMP_Inh	4.72830E-06	0.000E+00
614	ALL	417545.24	3726956.53	2.40542E-05	8.75710E-09	2.77YrCancerRMP_Inh	4.81080E-06	0.000E+00
615	ALL	417577.78	3726969.76	2.44093E-05	8.88630E-09	2.77YrCancerRMP_Inh	4.88190E-06	0.000E+00
616	ALL	417610.32	3726982.99	2.46970E-05	8.99110E-09	2.77YrCancerRMP_Inh	4.93940E-06	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
617	ALL	417642.87	3726996.22	2.48919E-05	9.06210E-09	2.77YrCancerRMP_Inh	4.97840E-06	0.000E+00
618	ALL	417675.41	3727009.45	2.49883E-05	9.09720E-09	2.77YrCancerRMP_Inh	4.99770E-06	0.000E+00
619	ALL	417707.95	3727022.68	2.49729E-05	9.09150E-09	2.77YrCancerRMP_Inh	4.99460E-06	0.000E+00
620	ALL	417740.49	3727035.91	2.48393E-05	9.04290E-09	2.77YrCancerRMP_Inh	4.96790E-06	0.000E+00
621	ALL	417773.04	3727049.14	2.45912E-05	8.95260E-09	2.77YrCancerRMP_Inh	4.91820E-06	0.000E+00
622	ALL	417805.58	3727062.37	2.42329E-05	8.82210E-09	2.77YrCancerRMP_Inh	4.84660E-06	0.000E+00
623	ALL	417838.12	3727075.59	2.37765E-05	8.65600E-09	2.77YrCancerRMP_Inh	4.75530E-06	0.000E+00
624	ALL	417870.66	3727088.82	2.32343E-05	8.45860E-09	2.77YrCancerRMP_Inh	4.64690E-06	0.000E+00
625	ALL	417935.75	3727115.28	2.19348E-05	7.98550E-09	2.77YrCancerRMP_Inh	4.38700E-06	0.000E+00
626	ALL	417974.90	3727144.78	2.16073E-05	7.86630E-09	2.77YrCancerRMP_Inh	4.32150E-06	0.000E+00
627	ALL	417988.12	3727177.33	2.24094E-05	8.15830E-09	2.77YrCancerRMP_Inh	4.48190E-06	0.000E+00
628	ALL	418001.33	3727209.88	2.32071E-05	8.44870E-09	2.77YrCancerRMP_Inh	4.64140E-06	0.000E+00
629	ALL	418014.55	3727242.42	2.39472E-05	8.71810E-09	2.77YrCancerRMP_Inh	4.78940E-06	0.000E+00
630	ALL	418027.77	3727274.97	2.47185E-05	8.99890E-09	2.77YrCancerRMP_Inh	4.94370E-06	0.000E+00
631	ALL	418040.99	3727307.52	2.55173E-05	9.28970E-09	2.77YrCancerRMP_Inh	5.10350E-06	0.000E+00
632	ALL	418054.20	3727340.06	2.62736E-05	9.56510E-09	2.77YrCancerRMP_Inh	5.25470E-06	0.000E+00
633	ALL	418067.42	3727372.61	2.69604E-05	9.81510E-09	2.77YrCancerRMP_Inh	5.39210E-06	0.000E+00
634	ALL	418080.64	3727405.16	2.76065E-05	1.00500E-08	2.77YrCancerRMP_Inh	5.52130E-06	0.000E+00
635	ALL	418093.86	3727437.70	2.82496E-05	1.02840E-08	2.77YrCancerRMP_Inh	5.64990E-06	0.000E+00
636	ALL	418107.08	3727470.25	2.89252E-05	1.05300E-08	2.77YrCancerRMP_Inh	5.78500E-06	0.000E+00
637	ALL	418120.29	3727502.80	2.96609E-05	1.07980E-08	2.77YrCancerRMP_Inh	5.93220E-06	0.000E+00
638	ALL	418133.51	3727535.34	3.04496E-05	1.10850E-08	2.77YrCancerRMP_Inh	6.08990E-06	0.000E+00
639	ALL	418146.73	3727567.89	3.13272E-05	1.14050E-08	2.77YrCancerRMP_Inh	6.26540E-06	0.000E+00
640	ALL	418159.95	3727600.44	3.23182E-05	1.17660E-08	2.77YrCancerRMP_Inh	6.46360E-06	0.000E+00
641	ALL	417446.10	3726923.70	2.31026E-05	8.41060E-09	2.77YrCancerRMP_Inh	4.62050E-06	0.000E+00
642	ALL	417410.52	3726924.17	2.33672E-05	8.50700E-09	2.77YrCancerRMP_Inh	4.67340E-06	0.000E+00
643	ALL	417374.95	3726924.65	2.35952E-05	8.59000E-09	2.77YrCancerRMP_Inh	4.71900E-06	0.000E+00
644	ALL	417339.38	3726925.12	2.37867E-05	8.65970E-09	2.77YrCancerRMP_Inh	4.75730E-06	0.000E+00
645	ALL	417276.26	3727615.31	1.21777E-03	4.43340E-07	2.77YrCancerRMP_Inh	2.43550E-04	0.000E+00
646	ALL	417272.75	3727648.87	1.34512E-03	4.89700E-07	2.77YrCancerRMP_Inh	2.69020E-04	0.000E+00
647	ALL	417274.34	3727667.30	1.44743E-03	5.26940E-07	2.77YrCancerRMP_Inh	2.89490E-04	0.000E+00
648	ALL	417275.93	3727685.72	1.53183E-03	5.57670E-07	2.77YrCancerRMP_Inh	3.06370E-04	0.000E+00
649	ALL	417277.51	3727704.14	1.58823E-03	5.78210E-07	2.77YrCancerRMP_Inh	3.17650E-04	0.000E+00
650	ALL	417279.10	3727722.56	1.60995E-03	5.86110E-07	2.77YrCancerRMP_Inh	3.21990E-04	0.000E+00
651	ALL	417280.69	3727740.98	1.59262E-03	5.79800E-07	2.77YrCancerRMP_Inh	3.18520E-04	0.000E+00
652	ALL	417282.28	3727759.41	1.53447E-03	5.58640E-07	2.77YrCancerRMP_Inh	3.06890E-04	0.000E+00
653	ALL	417283.87	3727777.83	1.43895E-03	5.23860E-07	2.77YrCancerRMP_Inh	2.87790E-04	0.000E+00
654	ALL	417285.45	3727796.25	1.32012E-03	4.80600E-07	2.77YrCancerRMP_Inh	2.64020E-04	0.000E+00
655	ALL	417256.33	3727617.03	9.46330E-04	3.44520E-07	2.77YrCancerRMP_Inh	1.89270E-04	0.000E+00
656	ALL	417266.53	3727586.75	8.64940E-04	3.14890E-07	2.77YrCancerRMP_Inh	1.72990E-04	0.000E+00
657	ALL	417286.19	3727565.03	8.46628E-04	3.08220E-07	2.77YrCancerRMP_Inh	1.69330E-04	0.000E+00
658	ALL	417252.82	3727650.59	1.01082E-03	3.67990E-07	2.77YrCancerRMP_Inh	2.02160E-04	0.000E+00
659	ALL	417254.41	3727669.01	1.06684E-03	3.88390E-07	2.77YrCancerRMP_Inh	2.13370E-04	0.000E+00
660	ALL	417256.00	3727687.44	1.11185E-03	4.04780E-07	2.77YrCancerRMP_Inh	2.22370E-04	0.000E+00
661	ALL	417257.59	3727705.86	1.14103E-03	4.15400E-07	2.77YrCancerRMP_Inh	2.28210E-04	0.000E+00
662	ALL	417259.18	3727724.28	1.14900E-03	4.18300E-07	2.77YrCancerRMP_Inh	2.29800E-04	0.000E+00
663	ALL	417260.76	3727742.70	1.13239E-03	4.12250E-07	2.77YrCancerRMP_Inh	2.26480E-04	0.000E+00
664	ALL	417262.35	3727761.12	1.09155E-03	3.97390E-07	2.77YrCancerRMP_Inh	2.18310E-04	0.000E+00
665	ALL	417263.94	3727779.55	1.03090E-03	3.75300E-07	2.77YrCancerRMP_Inh	2.06180E-04	0.000E+00
666	ALL	417265.53	3727797.97	9.60187E-04	3.49560E-07	2.77YrCancerRMP_Inh	1.92040E-04	0.000E+00
667	ALL	417236.41	3727618.75	7.58543E-04	2.76150E-07	2.77YrCancerRMP_Inh	1.51710E-04	0.000E+00
668	ALL	417246.61	3727588.47	7.22242E-04	2.62940E-07	2.77YrCancerRMP_Inh	1.44450E-04	0.000E+00
669	ALL	417271.37	3727551.61	6.54378E-04	2.38230E-07	2.77YrCancerRMP_Inh	1.30880E-04	0.000E+00
670	ALL	417232.90	3727652.31	7.89304E-04	2.87350E-07	2.77YrCancerRMP_Inh	1.57860E-04	0.000E+00
671	ALL	417234.49	3727670.73	8.20209E-04	2.98600E-07	2.77YrCancerRMP_Inh	1.64040E-04	0.000E+00
672	ALL	417236.07	3727689.15	8.43100E-04	3.06940E-07	2.77YrCancerRMP_Inh	1.68620E-04	0.000E+00
673	ALL	417237.66	3727707.58	8.56458E-04	3.11800E-07	2.77YrCancerRMP_Inh	1.71290E-04	0.000E+00
674	ALL	417239.25	3727726.00	8.57255E-04	3.12090E-07	2.77YrCancerRMP_Inh	1.71450E-04	0.000E+00
675	ALL	417240.84	3727744.42	8.43556E-04	3.07100E-07	2.77YrCancerRMP_Inh	1.68710E-04	0.000E+00
676	ALL	417242.43	3727762.84	8.15839E-04	2.97010E-07	2.77YrCancerRMP_Inh	1.63170E-04	0.000E+00
677	ALL	417244.01	3727781.26	7.77428E-04	2.83030E-07	2.77YrCancerRMP_Inh	1.55490E-04	0.000E+00
678	ALL	417245.60	3727799.69	7.33938E-04	2.67190E-07	2.77YrCancerRMP_Inh	1.46790E-04	0.000E+00
679	ALL	417216.48	3727620.47	6.20757E-04	2.25990E-07	2.77YrCancerRMP_Inh	1.24150E-04	0.000E+00
680	ALL	417226.68	3727590.19	6.08590E-04	2.21560E-07	2.77YrCancerRMP_Inh	1.21720E-04	0.000E+00
681	ALL	417236.88	3727559.90	5.48294E-04	1.99610E-07	2.77YrCancerRMP_Inh	1.09660E-04	0.000E+00
682	ALL	417256.54	3727538.19	5.26903E-04	1.91820E-07	2.77YrCancerRMP_Inh	1.05380E-04	0.000E+00
683	ALL	417285.66	3727525.04	5.71621E-04	2.08100E-07	2.77YrCancerRMP_Inh	1.14320E-04	0.000E+00
684	ALL	417212.97	3727654.03	6.32782E-04	2.30370E-07	2.77YrCancerRMP_Inh	1.26560E-04	0.000E+00
685	ALL	417214.56	3727672.45	6.49482E-04	2.36450E-07	2.77YrCancerRMP_Inh	1.29900E-04	0.000E+00
686	ALL	417216.15	3727690.87	6.60196E-04	2.40350E-07	2.77YrCancerRMP_Inh	1.32040E-04	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
687	ALL	417217.74	3727709.29	6.64697E-04	2.41990E-07	2.77YrCancerRMP_Inh	1.32940E-04	0.000E+00
688	ALL	417219.32	3727727.72	6.61731E-04	2.40910E-07	2.77YrCancerRMP_Inh	1.32350E-04	0.000E+00
689	ALL	417220.91	3727746.14	6.50621E-04	2.36860E-07	2.77YrCancerRMP_Inh	1.30120E-04	0.000E+00
690	ALL	417222.50	3727764.56	6.31762E-04	2.30000E-07	2.77YrCancerRMP_Inh	1.26350E-04	0.000E+00
691	ALL	417224.09	3727782.98	6.07209E-04	2.21060E-07	2.77YrCancerRMP_Inh	1.21440E-04	0.000E+00
692	ALL	417225.68	3727801.40	5.79753E-04	2.11060E-07	2.77YrCancerRMP_Inh	1.15950E-04	0.000E+00
693	ALL	417196.56	3727622.18	5.16102E-04	1.87890E-07	2.77YrCancerRMP_Inh	1.03220E-04	0.000E+00
694	ALL	417206.76	3727591.90	5.16942E-04	1.88200E-07	2.77YrCancerRMP_Inh	1.03390E-04	0.000E+00
695	ALL	417216.95	3727561.62	4.81818E-04	1.75410E-07	2.77YrCancerRMP_Inh	9.63640E-05	0.000E+00
696	ALL	417241.71	3727524.77	4.36089E-04	1.58760E-07	2.77YrCancerRMP_Inh	8.72180E-05	0.000E+00
697	ALL	417270.83	3727511.62	4.58754E-04	1.67010E-07	2.77YrCancerRMP_Inh	9.17510E-05	0.000E+00
698	ALL	417193.05	3727655.75	5.17613E-04	1.88440E-07	2.77YrCancerRMP_Inh	1.03520E-04	0.000E+00
699	ALL	417194.63	3727674.17	5.26054E-04	1.91510E-07	2.77YrCancerRMP_Inh	1.05210E-04	0.000E+00
700	ALL	417196.22	3727692.59	5.29942E-04	1.92930E-07	2.77YrCancerRMP_Inh	1.05990E-04	0.000E+00
701	ALL	417197.81	3727711.01	5.29666E-04	1.92830E-07	2.77YrCancerRMP_Inh	1.05930E-04	0.000E+00
702	ALL	417199.40	3727729.43	5.25082E-04	1.91160E-07	2.77YrCancerRMP_Inh	1.05020E-04	0.000E+00
703	ALL	417200.99	3727747.86	5.16016E-04	1.87860E-07	2.77YrCancerRMP_Inh	1.03200E-04	0.000E+00
704	ALL	417202.57	3727766.28	5.02832E-04	1.83060E-07	2.77YrCancerRMP_Inh	1.00570E-04	0.000E+00
705	ALL	417204.16	3727784.70	4.86723E-04	1.77190E-07	2.77YrCancerRMP_Inh	9.73450E-05	0.000E+00
706	ALL	417205.75	3727803.12	4.68974E-04	1.70730E-07	2.77YrCancerRMP_Inh	9.37950E-05	0.000E+00
707	ALL	417177.36	3727621.74	4.35935E-04	1.58710E-07	2.77YrCancerRMP_Inh	8.71870E-05	0.000E+00
708	ALL	417183.19	3727604.44	4.42540E-04	1.61110E-07	2.77YrCancerRMP_Inh	8.85080E-05	0.000E+00
709	ALL	417189.01	3727587.13	4.40558E-04	1.60390E-07	2.77YrCancerRMP_Inh	8.81120E-05	0.000E+00
710	ALL	417194.84	3727569.83	4.29724E-04	1.56440E-07	2.77YrCancerRMP_Inh	8.59450E-05	0.000E+00
711	ALL	417200.67	3727552.53	4.11012E-04	1.49630E-07	2.77YrCancerRMP_Inh	8.22020E-05	0.000E+00
712	ALL	417206.50	3727535.22	3.86508E-04	1.40710E-07	2.77YrCancerRMP_Inh	7.73020E-05	0.000E+00
713	ALL	417228.96	3727510.40	3.69399E-04	1.34480E-07	2.77YrCancerRMP_Inh	7.38800E-05	0.000E+00
714	ALL	417245.60	3727502.89	3.77279E-04	1.37350E-07	2.77YrCancerRMP_Inh	7.54560E-05	0.000E+00
715	ALL	417262.24	3727495.37	3.85091E-04	1.40200E-07	2.77YrCancerRMP_Inh	7.70180E-05	0.000E+00
716	ALL	417278.88	3727487.86	4.01692E-04	1.46240E-07	2.77YrCancerRMP_Inh	8.03380E-05	0.000E+00
717	ALL	417171.53	3727639.04	4.22194E-04	1.53700E-07	2.77YrCancerRMP_Inh	8.44390E-05	0.000E+00
718	ALL	417173.12	3727657.46	4.30246E-04	1.56630E-07	2.77YrCancerRMP_Inh	8.60490E-05	0.000E+00
719	ALL	417174.71	3727675.89	4.33945E-04	1.57980E-07	2.77YrCancerRMP_Inh	8.67890E-05	0.000E+00
720	ALL	417176.30	3727694.31	4.34110E-04	1.58040E-07	2.77YrCancerRMP_Inh	8.68220E-05	0.000E+00
721	ALL	417177.88	3727712.73	4.31367E-04	1.57040E-07	2.77YrCancerRMP_Inh	8.62730E-05	0.000E+00
722	ALL	417179.47	3727731.15	4.26159E-04	1.55150E-07	2.77YrCancerRMP_Inh	8.52320E-05	0.000E+00
723	ALL	417181.06	3727749.57	4.18656E-04	1.52410E-07	2.77YrCancerRMP_Inh	8.37310E-05	0.000E+00
724	ALL	417182.65	3727768.00	4.09183E-04	1.48970E-07	2.77YrCancerRMP_Inh	8.18370E-05	0.000E+00
725	ALL	417184.24	3727786.42	3.98290E-04	1.45000E-07	2.77YrCancerRMP_Inh	7.96580E-05	0.000E+00
726	ALL	417185.82	3727804.84	3.86516E-04	1.40710E-07	2.77YrCancerRMP_Inh	7.73030E-05	0.000E+00
727	ALL	417157.34	3727623.73	3.71123E-04	1.35110E-07	2.77YrCancerRMP_Inh	7.42250E-05	0.000E+00
728	ALL	417168.82	3727589.66	3.81200E-04	1.38780E-07	2.77YrCancerRMP_Inh	7.62400E-05	0.000E+00
729	ALL	417180.29	3727555.60	3.66114E-04	1.33290E-07	2.77YrCancerRMP_Inh	7.32230E-05	0.000E+00
730	ALL	417191.76	3727521.53	3.30503E-04	1.20320E-07	2.77YrCancerRMP_Inh	6.61010E-05	0.000E+00
731	ALL	417213.88	3727497.10	3.16665E-04	1.15280E-07	2.77YrCancerRMP_Inh	6.33330E-05	0.000E+00
732	ALL	417246.64	3727482.30	3.26549E-04	1.18880E-07	2.77YrCancerRMP_Inh	6.53100E-05	0.000E+00
733	ALL	417279.40	3727467.51	3.51318E-04	1.27900E-07	2.77YrCancerRMP_Inh	7.02640E-05	0.000E+00
734	ALL	417153.19	3727659.18	3.62505E-04	1.31970E-07	2.77YrCancerRMP_Inh	7.25010E-05	0.000E+00
735	ALL	417154.78	3727677.60	3.63407E-04	1.32300E-07	2.77YrCancerRMP_Inh	7.26810E-05	0.000E+00
736	ALL	417156.37	3727696.02	3.61611E-04	1.31650E-07	2.77YrCancerRMP_Inh	7.23220E-05	0.000E+00
737	ALL	417157.96	3727714.45	3.57806E-04	1.30260E-07	2.77YrCancerRMP_Inh	7.15610E-05	0.000E+00
738	ALL	417159.55	3727732.87	3.52550E-04	1.28350E-07	2.77YrCancerRMP_Inh	7.05100E-05	0.000E+00
739	ALL	417161.13	3727751.29	3.46190E-04	1.26030E-07	2.77YrCancerRMP_Inh	6.92380E-05	0.000E+00
740	ALL	417162.72	3727769.71	3.39079E-04	1.23440E-07	2.77YrCancerRMP_Inh	6.78160E-05	0.000E+00
741	ALL	417164.31	3727788.13	3.31448E-04	1.20670E-07	2.77YrCancerRMP_Inh	6.62900E-05	0.000E+00
742	ALL	417165.90	3727806.56	3.23489E-04	1.17770E-07	2.77YrCancerRMP_Inh	6.46980E-05	0.000E+00
743	ALL	417137.34	3727625.65	3.18907E-04	1.16100E-07	2.77YrCancerRMP_Inh	6.37810E-05	0.000E+00
744	ALL	417148.68	3727592.01	3.31480E-04	1.20680E-07	2.77YrCancerRMP_Inh	6.62960E-05	0.000E+00
745	ALL	417160.01	3727558.36	3.25486E-04	1.18500E-07	2.77YrCancerRMP_Inh	6.50970E-05	0.000E+00
746	ALL	417171.34	3727524.72	3.02246E-04	1.10030E-07	2.77YrCancerRMP_Inh	6.04490E-05	0.000E+00
747	ALL	417198.85	3727483.77	2.74974E-04	1.00110E-07	2.77YrCancerRMP_Inh	5.49950E-05	0.000E+00
748	ALL	417231.20	3727469.16	2.82029E-04	1.02670E-07	2.77YrCancerRMP_Inh	5.64060E-05	0.000E+00
749	ALL	417263.56	3727454.54	2.92292E-04	1.06410E-07	2.77YrCancerRMP_Inh	5.84580E-05	0.000E+00
750	ALL	417133.27	3727660.90	3.09042E-04	1.12510E-07	2.77YrCancerRMP_Inh	6.18080E-05	0.000E+00
751	ALL	417134.85	3727679.32	3.08321E-04	1.12250E-07	2.77YrCancerRMP_Inh	6.16640E-05	0.000E+00
752	ALL	417136.44	3727697.74	3.05561E-04	1.11240E-07	2.77YrCancerRMP_Inh	6.11120E-05	0.000E+00
753	ALL	417138.03	3727716.16	3.01387E-04	1.09720E-07	2.77YrCancerRMP_Inh	6.02770E-05	0.000E+00
754	ALL	417139.62	3727734.59	2.96366E-04	1.07890E-07	2.77YrCancerRMP_Inh	5.92730E-05	0.000E+00
755	ALL	417141.21	3727753.01	2.90941E-04	1.05920E-07	2.77YrCancerRMP_Inh	5.81880E-05	0.000E+00
756	ALL	417142.79	3727771.43	2.85348E-04	1.03880E-07	2.77YrCancerRMP_Inh	5.70700E-05	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
757	ALL	417144.38	3727789.85	2.79780E-04	1.01860E-07	2.77YrCancerRMP_Inh	5.59560E-05	0.000E+00
758	ALL	417145.97	3727808.27	2.74238E-04	9.98380E-08	2.77YrCancerRMP_Inh	5.48480E-05	0.000E+00
759	ALL	417099.82	3727629.35	2.45262E-04	8.92890E-08	2.77YrCancerRMP_Inh	4.90520E-05	0.000E+00
760	ALL	417110.83	3727596.66	2.58604E-04	9.41460E-08	2.77YrCancerRMP_Inh	5.17210E-05	0.000E+00
761	ALL	417121.84	3727563.97	2.61568E-04	9.52250E-08	2.77YrCancerRMP_Inh	5.23140E-05	0.000E+00
762	ALL	417132.85	3727531.29	2.53241E-04	9.21940E-08	2.77YrCancerRMP_Inh	5.06480E-05	0.000E+00
763	ALL	417143.86	3727498.60	2.35667E-04	8.57960E-08	2.77YrCancerRMP_Inh	4.71330E-05	0.000E+00
764	ALL	417170.59	3727458.81	2.16806E-04	7.89300E-08	2.77YrCancerRMP_Inh	4.33610E-05	0.000E+00
765	ALL	417202.03	3727444.61	2.21308E-04	8.05690E-08	2.77YrCancerRMP_Inh	4.42620E-05	0.000E+00
766	ALL	417233.46	3727430.41	2.24009E-04	8.15520E-08	2.77YrCancerRMP_Inh	4.48020E-05	0.000E+00
767	ALL	417264.90	3727416.22	2.43041E-04	8.84810E-08	2.77YrCancerRMP_Inh	4.86080E-05	0.000E+00
768	ALL	417095.91	3727664.12	2.35343E-04	8.56780E-08	2.77YrCancerRMP_Inh	4.70690E-05	0.000E+00
769	ALL	417097.49	3727682.54	2.33338E-04	8.49480E-08	2.77YrCancerRMP_Inh	4.66680E-05	0.000E+00
770	ALL	417099.08	3727700.96	2.30105E-04	8.37710E-08	2.77YrCancerRMP_Inh	4.60210E-05	0.000E+00
771	ALL	417100.67	3727719.39	2.26102E-04	8.23140E-08	2.77YrCancerRMP_Inh	4.52200E-05	0.000E+00
772	ALL	417102.26	3727737.81	2.21814E-04	8.07530E-08	2.77YrCancerRMP_Inh	4.43630E-05	0.000E+00
773	ALL	417103.85	3727756.23	2.17612E-04	7.92230E-08	2.77YrCancerRMP_Inh	4.35220E-05	0.000E+00
774	ALL	417105.43	3727774.65	2.13720E-04	7.78060E-08	2.77YrCancerRMP_Inh	4.27440E-05	0.000E+00
775	ALL	417107.02	3727793.07	2.10258E-04	7.65460E-08	2.77YrCancerRMP_Inh	4.20520E-05	0.000E+00
776	ALL	417062.80	3727631.57	1.94021E-04	7.06350E-08	2.77YrCancerRMP_Inh	3.88040E-05	0.000E+00
777	ALL	417068.64	3727614.22	2.01095E-04	7.32100E-08	2.77YrCancerRMP_Inh	4.02190E-05	0.000E+00
778	ALL	417074.48	3727596.87	2.06630E-04	7.52250E-08	2.77YrCancerRMP_Inh	4.13260E-05	0.000E+00
779	ALL	417080.33	3727579.53	2.10331E-04	7.65720E-08	2.77YrCancerRMP_Inh	4.20660E-05	0.000E+00
780	ALL	417086.17	3727562.18	2.11964E-04	7.71670E-08	2.77YrCancerRMP_Inh	4.23930E-05	0.000E+00
781	ALL	417092.01	3727544.83	2.11455E-04	7.69820E-08	2.77YrCancerRMP_Inh	4.22910E-05	0.000E+00
782	ALL	417097.86	3727527.48	2.08853E-04	7.60340E-08	2.77YrCancerRMP_Inh	4.17710E-05	0.000E+00
783	ALL	417103.70	3727510.13	2.04307E-04	7.43790E-08	2.77YrCancerRMP_Inh	4.08610E-05	0.000E+00
784	ALL	417109.54	3727492.78	1.98094E-04	7.21180E-08	2.77YrCancerRMP_Inh	3.96190E-05	0.000E+00
785	ALL	417115.39	3727475.44	1.90553E-04	6.93720E-08	2.77YrCancerRMP_Inh	3.81110E-05	0.000E+00
786	ALL	417121.23	3727458.09	1.81984E-04	6.62520E-08	2.77YrCancerRMP_Inh	3.63970E-05	0.000E+00
787	ALL	417143.75	3727433.21	1.75896E-04	6.40360E-08	2.77YrCancerRMP_Inh	3.51790E-05	0.000E+00
788	ALL	417160.44	3727425.67	1.77973E-04	6.47920E-08	2.77YrCancerRMP_Inh	3.55950E-05	0.000E+00
789	ALL	417177.12	3727418.14	1.79046E-04	6.51830E-08	2.77YrCancerRMP_Inh	3.58090E-05	0.000E+00
790	ALL	417193.80	3727410.60	1.79458E-04	6.53330E-08	2.77YrCancerRMP_Inh	3.58920E-05	0.000E+00
791	ALL	417210.49	3727403.07	1.80063E-04	6.55530E-08	2.77YrCancerRMP_Inh	3.60130E-05	0.000E+00
792	ALL	417227.17	3727395.53	1.82635E-04	6.64890E-08	2.77YrCancerRMP_Inh	3.65270E-05	0.000E+00
793	ALL	417243.85	3727388.00	1.91321E-04	6.96520E-08	2.77YrCancerRMP_Inh	3.82640E-05	0.000E+00
794	ALL	417260.54	3727380.46	2.17039E-04	7.90150E-08	2.77YrCancerRMP_Inh	4.34080E-05	0.000E+00
795	ALL	417310.59	3727357.86	2.46414E-04	8.97090E-08	2.77YrCancerRMP_Inh	4.92830E-05	0.000E+00
796	ALL	417056.96	3727648.92	1.85762E-04	6.76280E-08	2.77YrCancerRMP_Inh	3.71520E-05	0.000E+00
797	ALL	417058.54	3727667.34	1.84563E-04	6.71910E-08	2.77YrCancerRMP_Inh	3.69130E-05	0.000E+00
798	ALL	417060.13	3727685.76	1.82314E-04	6.63730E-08	2.77YrCancerRMP_Inh	3.64630E-05	0.000E+00
799	ALL	417061.72	3727704.18	1.79296E-04	6.52740E-08	2.77YrCancerRMP_Inh	3.58590E-05	0.000E+00
800	ALL	417063.31	3727722.61	1.75844E-04	6.40170E-08	2.77YrCancerRMP_Inh	3.51690E-05	0.000E+00
801	ALL	417064.90	3727741.03	1.72299E-04	6.27270E-08	2.77YrCancerRMP_Inh	3.44600E-05	0.000E+00
802	ALL	417066.48	3727759.45	1.68943E-04	6.15050E-08	2.77YrCancerRMP_Inh	3.37890E-05	0.000E+00
803	ALL	417068.07	3727777.87	1.65992E-04	6.04310E-08	2.77YrCancerRMP_Inh	3.31980E-05	0.000E+00
804	ALL	417069.66	3727796.29	1.63533E-04	5.95350E-08	2.77YrCancerRMP_Inh	3.27070E-05	0.000E+00
805	ALL	417025.29	3727635.24	1.56295E-04	5.69000E-08	2.77YrCancerRMP_Inh	3.12590E-05	0.000E+00
806	ALL	417036.67	3727601.45	1.67145E-04	6.08500E-08	2.77YrCancerRMP_Inh	3.34290E-05	0.000E+00
807	ALL	417048.05	3727567.65	1.73730E-04	6.32470E-08	2.77YrCancerRMP_Inh	3.47460E-05	0.000E+00
808	ALL	417059.43	3727533.86	1.75000E-04	6.37100E-08	2.77YrCancerRMP_Inh	3.50000E-05	0.000E+00
809	ALL	417070.81	3727500.06	1.70842E-04	6.21960E-08	2.77YrCancerRMP_Inh	3.41680E-05	0.000E+00
810	ALL	417082.20	3727466.27	1.62095E-04	5.90120E-08	2.77YrCancerRMP_Inh	3.24190E-05	0.000E+00
811	ALL	417093.58	3727432.47	1.50071E-04	5.46340E-08	2.77YrCancerRMP_Inh	3.00140E-05	0.000E+00
812	ALL	417115.52	3727408.23	1.45572E-04	5.29960E-08	2.77YrCancerRMP_Inh	2.91140E-05	0.000E+00
813	ALL	417148.02	3727393.56	1.47864E-04	5.38310E-08	2.77YrCancerRMP_Inh	2.95730E-05	0.000E+00
814	ALL	417180.52	3727378.88	1.47882E-04	5.38370E-08	2.77YrCancerRMP_Inh	2.95760E-05	0.000E+00
815	ALL	417213.02	3727364.20	1.50254E-04	5.47010E-08	2.77YrCancerRMP_Inh	3.00510E-05	0.000E+00
816	ALL	417245.52	3727349.52	1.80447E-04	6.56930E-08	2.77YrCancerRMP_Inh	3.60890E-05	0.000E+00
817	ALL	417310.52	3727320.17	1.69807E-04	6.18190E-08	2.77YrCancerRMP_Inh	3.39610E-05	0.000E+00
818	ALL	417021.18	3727670.56	1.48335E-04	5.40020E-08	2.77YrCancerRMP_Inh	2.96670E-05	0.000E+00
819	ALL	417022.77	3727688.98	1.46204E-04	5.32270E-08	2.77YrCancerRMP_Inh	2.92410E-05	0.000E+00
820	ALL	417024.36	3727707.40	1.43581E-04	5.22720E-08	2.77YrCancerRMP_Inh	2.87160E-05	0.000E+00
821	ALL	417025.95	3727725.83	1.40697E-04	5.12220E-08	2.77YrCancerRMP_Inh	2.81390E-05	0.000E+00
822	ALL	417027.53	3727744.25	1.37783E-04	5.01610E-08	2.77YrCancerRMP_Inh	2.75570E-05	0.000E+00
823	ALL	417029.12	3727762.67	1.35070E-04	4.91730E-08	2.77YrCancerRMP_Inh	2.70140E-05	0.000E+00
824	ALL	417030.71	3727781.09	1.32706E-04	4.83120E-08	2.77YrCancerRMP_Inh	2.65410E-05	0.000E+00
825	ALL	416987.81	3727638.80	1.28299E-04	4.67080E-08	2.77YrCancerRMP_Inh	2.56600E-05	0.000E+00
826	ALL	416998.97	3727605.68	1.37382E-04	5.00150E-08	2.77YrCancerRMP_Inh	2.74760E-05	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
827	ALL	417010.12	3727572.56	1.43889E-04	5.23840E-08	2.77YrCancerRMP_Inh	2.87780E-05	0.000E+00
828	ALL	417021.27	3727539.44	1.47010E-04	5.35200E-08	2.77YrCancerRMP_Inh	2.94020E-05	0.000E+00
829	ALL	417032.43	3727506.32	1.46417E-04	5.33040E-08	2.77YrCancerRMP_Inh	2.92830E-05	0.000E+00
830	ALL	417182.94	3727340.06	1.23613E-04	4.50020E-08	2.77YrCancerRMP_Inh	2.47230E-05	0.000E+00
831	ALL	417214.79	3727325.68	1.32289E-04	4.81610E-08	2.77YrCancerRMP_Inh	2.64580E-05	0.000E+00
832	ALL	417278.49	3727296.91	1.24171E-04	4.52050E-08	2.77YrCancerRMP_Inh	2.48340E-05	0.000E+00
833	ALL	417310.34	3727282.52	1.03636E-04	3.77290E-08	2.77YrCancerRMP_Inh	2.07270E-05	0.000E+00
834	ALL	416983.82	3727673.78	1.21701E-04	4.43060E-08	2.77YrCancerRMP_Inh	2.43400E-05	0.000E+00
835	ALL	416985.41	3727692.20	1.19803E-04	4.36150E-08	2.77YrCancerRMP_Inh	2.39610E-05	0.000E+00
836	ALL	416987.00	3727710.62	1.17582E-04	4.28060E-08	2.77YrCancerRMP_Inh	2.35160E-05	0.000E+00
837	ALL	416988.59	3727729.05	1.15192E-04	4.19360E-08	2.77YrCancerRMP_Inh	2.30380E-05	0.000E+00
838	ALL	416990.17	3727747.47	1.12796E-04	4.10640E-08	2.77YrCancerRMP_Inh	2.25590E-05	0.000E+00
839	ALL	416991.76	3727765.89	1.10563E-04	4.02510E-08	2.77YrCancerRMP_Inh	2.21130E-05	0.000E+00
840	ALL	416993.35	3727784.31	1.08610E-04	3.95400E-08	2.77YrCancerRMP_Inh	2.17220E-05	0.000E+00
841	ALL	416950.68	3727641.32	1.07311E-04	3.90670E-08	2.77YrCancerRMP_Inh	2.14620E-05	0.000E+00
842	ALL	416956.50	3727624.07	1.11435E-04	4.05680E-08	2.77YrCancerRMP_Inh	2.22870E-05	0.000E+00
843	ALL	416962.31	3727606.81	1.15194E-04	4.19370E-08	2.77YrCancerRMP_Inh	2.30390E-05	0.000E+00
844	ALL	416968.12	3727589.56	1.18491E-04	4.31370E-08	2.77YrCancerRMP_Inh	2.36980E-05	0.000E+00
845	ALL	417242.80	3727275.31	1.10152E-04	4.01020E-08	2.77YrCancerRMP_Inh	2.20300E-05	0.000E+00
846	ALL	417259.39	3727267.81	9.54825E-05	3.47610E-08	2.77YrCancerRMP_Inh	1.90960E-05	0.000E+00
847	ALL	417275.98	3727260.32	8.76847E-05	3.19220E-08	2.77YrCancerRMP_Inh	1.75370E-05	0.000E+00
848	ALL	417292.58	3727252.82	8.23764E-05	2.99900E-08	2.77YrCancerRMP_Inh	1.64750E-05	0.000E+00
849	ALL	417309.17	3727245.33	7.81737E-05	2.84600E-08	2.77YrCancerRMP_Inh	1.56350E-05	0.000E+00
850	ALL	416944.87	3727658.58	1.02945E-04	3.74780E-08	2.77YrCancerRMP_Inh	2.05890E-05	0.000E+00
851	ALL	416946.46	3727677.00	1.01618E-04	3.69950E-08	2.77YrCancerRMP_Inh	2.03240E-05	0.000E+00
852	ALL	416948.05	3727695.42	9.99680E-05	3.63940E-08	2.77YrCancerRMP_Inh	1.99940E-05	0.000E+00
853	ALL	416949.64	3727713.85	9.80974E-05	3.57130E-08	2.77YrCancerRMP_Inh	1.96190E-05	0.000E+00
854	ALL	416951.22	3727732.27	9.61064E-05	3.49880E-08	2.77YrCancerRMP_Inh	1.92210E-05	0.000E+00
855	ALL	416952.81	3727750.69	9.41281E-05	3.42680E-08	2.77YrCancerRMP_Inh	1.88260E-05	0.000E+00
856	ALL	416954.40	3727769.11	9.22699E-05	3.35910E-08	2.77YrCancerRMP_Inh	1.84540E-05	0.000E+00
857	ALL	416955.99	3727787.53	9.06269E-05	3.29930E-08	2.77YrCancerRMP_Inh	1.81250E-05	0.000E+00
858	ALL	416993.06	3727407.80	1.01581E-04	3.69810E-08	2.77YrCancerRMP_Inh	2.03160E-05	0.000E+00
859	ALL	417004.46	3727373.94	9.62403E-05	3.50370E-08	2.77YrCancerRMP_Inh	1.92480E-05	0.000E+00
860	ALL	417032.15	3727332.72	9.09437E-05	3.31090E-08	2.77YrCancerRMP_Inh	1.81890E-05	0.000E+00
861	ALL	417292.70	3727215.05	6.57654E-05	2.39420E-08	2.77YrCancerRMP_Inh	1.31530E-05	0.000E+00
862	ALL	416910.69	3727698.64	8.47141E-05	3.08410E-08	2.77YrCancerRMP_Inh	1.69430E-05	0.000E+00
863	ALL	416912.27	3727717.07	8.31303E-05	3.02640E-08	2.77YrCancerRMP_Inh	1.66260E-05	0.000E+00
864	ALL	416913.86	3727735.49	8.14711E-05	2.96600E-08	2.77YrCancerRMP_Inh	1.62940E-05	0.000E+00
865	ALL	416915.45	3727753.91	7.98173E-05	2.90580E-08	2.77YrCancerRMP_Inh	1.59630E-05	0.000E+00
866	ALL	416917.04	3727772.33	7.82534E-05	2.84890E-08	2.77YrCancerRMP_Inh	1.56510E-05	0.000E+00
867	ALL	416918.63	3727790.75	7.68528E-05	2.79790E-08	2.77YrCancerRMP_Inh	1.53710E-05	0.000E+00
868	ALL	416923.21	3727507.47	9.39713E-05	3.42110E-08	2.77YrCancerRMP_Inh	1.87940E-05	0.000E+00
869	ALL	416929.11	3727489.96	9.43651E-05	3.43540E-08	2.77YrCancerRMP_Inh	1.88730E-05	0.000E+00
870	ALL	416935.00	3727472.46	9.43416E-05	3.43460E-08	2.77YrCancerRMP_Inh	1.88680E-05	0.000E+00
871	ALL	416940.90	3727454.95	9.39187E-05	3.41920E-08	2.77YrCancerRMP_Inh	1.87840E-05	0.000E+00
872	ALL	416946.80	3727437.44	9.31053E-05	3.38960E-08	2.77YrCancerRMP_Inh	1.86210E-05	0.000E+00
873	ALL	416952.69	3727419.94	9.19266E-05	3.34660E-08	2.77YrCancerRMP_Inh	1.83850E-05	0.000E+00
874	ALL	416958.59	3727402.43	9.04134E-05	3.29160E-08	2.77YrCancerRMP_Inh	1.80830E-05	0.000E+00
875	ALL	416964.49	3727384.93	8.85941E-05	3.22530E-08	2.77YrCancerRMP_Inh	1.77190E-05	0.000E+00
876	ALL	416970.38	3727367.42	8.64880E-05	3.14870E-08	2.77YrCancerRMP_Inh	1.72980E-05	0.000E+00
877	ALL	416976.28	3727349.92	8.41378E-05	3.06310E-08	2.77YrCancerRMP_Inh	1.68280E-05	0.000E+00
878	ALL	416982.17	3727332.41	8.15581E-05	2.96920E-08	2.77YrCancerRMP_Inh	1.63120E-05	0.000E+00
879	ALL	417004.90	3727307.30	7.96967E-05	2.90140E-08	2.77YrCancerRMP_Inh	1.59390E-05	0.000E+00
880	ALL	417021.74	3727299.70	8.02726E-05	2.92240E-08	2.77YrCancerRMP_Inh	1.60550E-05	0.000E+00
881	ALL	417038.57	3727292.09	8.04883E-05	2.93020E-08	2.77YrCancerRMP_Inh	1.60980E-05	0.000E+00
882	ALL	417055.41	3727284.49	8.03406E-05	2.92480E-08	2.77YrCancerRMP_Inh	1.60680E-05	0.000E+00
883	ALL	417307.93	3727170.44	5.29650E-05	1.92820E-08	2.77YrCancerRMP_Inh	1.05930E-05	0.000E+00
884	ALL	416878.09	3727757.13	6.86019E-05	2.49750E-08	2.77YrCancerRMP_Inh	1.37200E-05	0.000E+00
885	ALL	416879.68	3727775.55	6.72722E-05	2.44910E-08	2.77YrCancerRMP_Inh	1.34540E-05	0.000E+00
886	ALL	416881.26	3727793.97	6.60647E-05	2.40510E-08	2.77YrCancerRMP_Inh	1.32130E-05	0.000E+00
887	ALL	416861.76	3727582.22	7.64088E-05	2.78170E-08	2.77YrCancerRMP_Inh	1.52820E-05	0.000E+00
888	ALL	416867.56	3727565.01	7.81724E-05	2.84590E-08	2.77YrCancerRMP_Inh	1.56340E-05	0.000E+00
889	ALL	416873.35	3727547.81	7.96953E-05	2.90140E-08	2.77YrCancerRMP_Inh	1.59390E-05	0.000E+00
890	ALL	416879.14	3727530.60	8.09540E-05	2.94720E-08	2.77YrCancerRMP_Inh	1.61910E-05	0.000E+00
891	ALL	416890.73	3727496.19	8.26180E-05	3.00780E-08	2.77YrCancerRMP_Inh	1.65240E-05	0.000E+00
892	ALL	416896.53	3727478.99	8.29998E-05	3.02170E-08	2.77YrCancerRMP_Inh	1.66000E-05	0.000E+00
893	ALL	416902.32	3727461.78	8.30741E-05	3.02440E-08	2.77YrCancerRMP_Inh	1.66150E-05	0.000E+00
894	ALL	416908.12	3727444.58	8.28536E-05	3.01630E-08	2.77YrCancerRMP_Inh	1.65710E-05	0.000E+00
895	ALL	416913.91	3727427.37	8.23399E-05	2.99760E-08	2.77YrCancerRMP_Inh	1.64680E-05	0.000E+00
896	ALL	416925.50	3727392.97	8.05049E-05	2.93080E-08	2.77YrCancerRMP_Inh	1.61010E-05	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
897	ALL	416931.30	3727375.76	7.92154E-05	2.88390E-08	2.77YrCancerRMP_Inh	1.58430E-05	0.000E+00
898	ALL	416937.09	3727358.56	7.77002E-05	2.82870E-08	2.77YrCancerRMP_Inh	1.55400E-05	0.000E+00
899	ALL	416942.88	3727341.35	7.59746E-05	2.76590E-08	2.77YrCancerRMP_Inh	1.51950E-05	0.000E+00
900	ALL	416954.47	3727306.94	7.19693E-05	2.62010E-08	2.77YrCancerRMP_Inh	1.43940E-05	0.000E+00
901	ALL	416976.81	3727282.26	7.04652E-05	2.56530E-08	2.77YrCancerRMP_Inh	1.40930E-05	0.000E+00
902	ALL	416993.36	3727274.79	7.09447E-05	2.58280E-08	2.77YrCancerRMP_Inh	1.41890E-05	0.000E+00
903	ALL	417009.90	3727267.32	7.11389E-05	2.58990E-08	2.77YrCancerRMP_Inh	1.42280E-05	0.000E+00
904	ALL	417026.45	3727259.85	7.10403E-05	2.58630E-08	2.77YrCancerRMP_Inh	1.42080E-05	0.000E+00
905	ALL	417042.99	3727252.37	7.06419E-05	2.57180E-08	2.77YrCancerRMP_Inh	1.41280E-05	0.000E+00
906	ALL	417059.54	3727244.90	6.99630E-05	2.54700E-08	2.77YrCancerRMP_Inh	1.39930E-05	0.000E+00
907	ALL	417076.09	3727237.43	6.90187E-05	2.51270E-08	2.77YrCancerRMP_Inh	1.38040E-05	0.000E+00
908	ALL	416739.04	3727659.36	4.83903E-05	1.76170E-08	2.77YrCancerRMP_Inh	9.67810E-06	0.000E+00
909	ALL	416744.92	3727641.89	4.99705E-05	1.81920E-08	2.77YrCancerRMP_Inh	9.99410E-06	0.000E+00
910	ALL	416750.81	3727624.42	5.15024E-05	1.87500E-08	2.77YrCancerRMP_Inh	1.03000E-05	0.000E+00
911	ALL	416756.69	3727606.95	5.29732E-05	1.92850E-08	2.77YrCancerRMP_Inh	1.05950E-05	0.000E+00
912	ALL	416762.58	3727589.48	5.43652E-05	1.97920E-08	2.77YrCancerRMP_Inh	1.08730E-05	0.000E+00
913	ALL	416768.46	3727572.01	5.56621E-05	2.02640E-08	2.77YrCancerRMP_Inh	1.11320E-05	0.000E+00
914	ALL	416774.34	3727554.54	5.68514E-05	2.06970E-08	2.77YrCancerRMP_Inh	1.13700E-05	0.000E+00
915	ALL	416780.23	3727537.07	5.79240E-05	2.10880E-08	2.77YrCancerRMP_Inh	1.15850E-05	0.000E+00
916	ALL	416786.11	3727519.60	5.88639E-05	2.14300E-08	2.77YrCancerRMP_Inh	1.17730E-05	0.000E+00
917	ALL	416791.99	3727502.14	5.96638E-05	2.17210E-08	2.77YrCancerRMP_Inh	1.19330E-05	0.000E+00
918	ALL	416797.88	3727484.67	6.03166E-05	2.19590E-08	2.77YrCancerRMP_Inh	1.20630E-05	0.000E+00
919	ALL	416803.76	3727467.20	6.08150E-05	2.21400E-08	2.77YrCancerRMP_Inh	1.21630E-05	0.000E+00
920	ALL	416809.65	3727449.73	6.11555E-05	2.22640E-08	2.77YrCancerRMP_Inh	1.22310E-05	0.000E+00
921	ALL	416815.53	3727432.26	6.13324E-05	2.23280E-08	2.77YrCancerRMP_Inh	1.22660E-05	0.000E+00
922	ALL	416821.41	3727414.79	6.13511E-05	2.23350E-08	2.77YrCancerRMP_Inh	1.22700E-05	0.000E+00
923	ALL	416827.30	3727397.32	6.12115E-05	2.22840E-08	2.77YrCancerRMP_Inh	1.22420E-05	0.000E+00
924	ALL	416833.18	3727379.85	6.09185E-05	2.21780E-08	2.77YrCancerRMP_Inh	1.21840E-05	0.000E+00
925	ALL	416839.06	3727362.38	6.04757E-05	2.20170E-08	2.77YrCancerRMP_Inh	1.20950E-05	0.000E+00
926	ALL	416844.95	3727344.91	5.98899E-05	2.18030E-08	2.77YrCancerRMP_Inh	1.19780E-05	0.000E+00
927	ALL	416850.83	3727327.44	5.91659E-05	2.15400E-08	2.77YrCancerRMP_Inh	1.18330E-05	0.000E+00
928	ALL	416856.72	3727309.97	5.83125E-05	2.12290E-08	2.77YrCancerRMP_Inh	1.16620E-05	0.000E+00
929	ALL	416862.60	3727292.50	5.73290E-05	2.08710E-08	2.77YrCancerRMP_Inh	1.14660E-05	0.000E+00
930	ALL	416868.48	3727275.03	5.62221E-05	2.04680E-08	2.77YrCancerRMP_Inh	1.12440E-05	0.000E+00
931	ALL	416874.37	3727257.56	5.50023E-05	2.00240E-08	2.77YrCancerRMP_Inh	1.10000E-05	0.000E+00
932	ALL	416880.25	3727240.09	5.36706E-05	1.95390E-08	2.77YrCancerRMP_Inh	1.07340E-05	0.000E+00
933	ALL	416902.93	3727215.04	5.27218E-05	1.91940E-08	2.77YrCancerRMP_Inh	1.05440E-05	0.000E+00
934	ALL	416919.73	3727207.45	5.30381E-05	1.93090E-08	2.77YrCancerRMP_Inh	1.06080E-05	0.000E+00
935	ALL	416936.53	3727199.86	5.31772E-05	1.93590E-08	2.77YrCancerRMP_Inh	1.06350E-05	0.000E+00
936	ALL	416953.33	3727192.27	5.31275E-05	1.93410E-08	2.77YrCancerRMP_Inh	1.06250E-05	0.000E+00
937	ALL	416970.13	3727184.69	5.28901E-05	1.92550E-08	2.77YrCancerRMP_Inh	1.05780E-05	0.000E+00
938	ALL	416986.93	3727177.10	5.24621E-05	1.90990E-08	2.77YrCancerRMP_Inh	1.04920E-05	0.000E+00
939	ALL	417003.73	3727169.51	5.18529E-05	1.88770E-08	2.77YrCancerRMP_Inh	1.03710E-05	0.000E+00
940	ALL	417020.53	3727161.93	5.10770E-05	1.85950E-08	2.77YrCancerRMP_Inh	1.02150E-05	0.000E+00
941	ALL	417037.33	3727154.34	5.01522E-05	1.82580E-08	2.77YrCancerRMP_Inh	1.00300E-05	0.000E+00
942	ALL	417054.13	3727146.75	4.90998E-05	1.78750E-08	2.77YrCancerRMP_Inh	9.82000E-06	0.000E+00
943	ALL	417070.93	3727139.16	4.79464E-05	1.74550E-08	2.77YrCancerRMP_Inh	9.58930E-06	0.000E+00
944	ALL	417087.73	3727131.58	4.67170E-05	1.70080E-08	2.77YrCancerRMP_Inh	9.34340E-06	0.000E+00
945	ALL	417104.53	3727123.99	4.54387E-05	1.65420E-08	2.77YrCancerRMP_Inh	9.08770E-06	0.000E+00
946	ALL	417121.33	3727116.40	4.41365E-05	1.60680E-08	2.77YrCancerRMP_Inh	8.82730E-06	0.000E+00
947	ALL	417138.13	3727108.81	4.28346E-05	1.55940E-08	2.77YrCancerRMP_Inh	8.56690E-06	0.000E+00
948	ALL	417154.93	3727101.23	4.15534E-05	1.51280E-08	2.77YrCancerRMP_Inh	8.31070E-06	0.000E+00
949	ALL	416733.16	3727676.83	4.67814E-05	1.70310E-08	2.77YrCancerRMP_Inh	9.35630E-06	0.000E+00
950	ALL	416734.74	3727695.25	4.61141E-05	1.67880E-08	2.77YrCancerRMP_Inh	9.22280E-06	0.000E+00
951	ALL	416736.33	3727713.67	4.53778E-05	1.65200E-08	2.77YrCancerRMP_Inh	9.07560E-06	0.000E+00
952	ALL	416737.92	3727732.10	4.45958E-05	1.62350E-08	2.77YrCancerRMP_Inh	8.91920E-06	0.000E+00
953	ALL	416639.28	3727668.32	3.64372E-05	1.32650E-08	2.77YrCancerRMP_Inh	7.28740E-06	0.000E+00
954	ALL	416650.80	3727634.14	3.85382E-05	1.40300E-08	2.77YrCancerRMP_Inh	7.70760E-06	0.000E+00
955	ALL	416656.56	3727617.04	3.95458E-05	1.43970E-08	2.77YrCancerRMP_Inh	7.90920E-06	0.000E+00
956	ALL	416668.07	3727582.86	4.14323E-05	1.50840E-08	2.77YrCancerRMP_Inh	8.28650E-06	0.000E+00
957	ALL	416679.58	3727548.67	4.31130E-05	1.56960E-08	2.77YrCancerRMP_Inh	8.62260E-06	0.000E+00
958	ALL	416685.34	3727531.57	4.38666E-05	1.59700E-08	2.77YrCancerRMP_Inh	8.77330E-06	0.000E+00
959	ALL	416696.86	3727497.39	4.51765E-05	1.64470E-08	2.77YrCancerRMP_Inh	9.03530E-06	0.000E+00
960	ALL	416702.61	3727480.29	4.57221E-05	1.66450E-08	2.77YrCancerRMP_Inh	9.14440E-06	0.000E+00
961	ALL	416714.13	3727446.11	4.65909E-05	1.69620E-08	2.77YrCancerRMP_Inh	9.31820E-06	0.000E+00
962	ALL	416725.64	3727411.92	4.71326E-05	1.71590E-08	2.77YrCancerRMP_Inh	9.42650E-06	0.000E+00
963	ALL	416731.40	3727394.82	4.72774E-05	1.72120E-08	2.77YrCancerRMP_Inh	9.45550E-06	0.000E+00
964	ALL	416742.91	3727360.64	4.73107E-05	1.72240E-08	2.77YrCancerRMP_Inh	9.46210E-06	0.000E+00
965	ALL	416748.67	3727343.54	4.72007E-05	1.71840E-08	2.77YrCancerRMP_Inh	9.44010E-06	0.000E+00
966	ALL	416760.19	3727309.36	4.67335E-05	1.70140E-08	2.77YrCancerRMP_Inh	9.34670E-06	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
967	ALL	416771.70	3727275.17	4.59467E-05	1.67270E-08	2.77YrCancerRMP_Inh	9.18930E-06	0.000E+00
968	ALL	416777.46	3727258.07	4.54386E-05	1.65420E-08	2.77YrCancerRMP_Inh	9.08770E-06	0.000E+00
969	ALL	416788.97	3727223.89	4.41957E-05	1.60900E-08	2.77YrCancerRMP_Inh	8.83910E-06	0.000E+00
970	ALL	416794.73	3727206.79	4.34642E-05	1.58230E-08	2.77YrCancerRMP_Inh	8.69280E-06	0.000E+00
971	ALL	416806.24	3727172.61	4.17895E-05	1.52140E-08	2.77YrCancerRMP_Inh	8.35790E-06	0.000E+00
972	ALL	416828.44	3727148.09	4.11850E-05	1.49940E-08	2.77YrCancerRMP_Inh	8.23700E-06	0.000E+00
973	ALL	416861.32	3727133.24	4.15292E-05	1.51190E-08	2.77YrCancerRMP_Inh	8.30580E-06	0.000E+00
974	ALL	416877.75	3727125.81	4.15304E-05	1.51190E-08	2.77YrCancerRMP_Inh	8.30610E-06	0.000E+00
975	ALL	416910.63	3727110.97	4.11860E-05	1.49940E-08	2.77YrCancerRMP_Inh	8.23720E-06	0.000E+00
976	ALL	416927.07	3727103.54	4.08376E-05	1.48670E-08	2.77YrCancerRMP_Inh	8.16750E-06	0.000E+00
977	ALL	416943.51	3727096.12	4.03815E-05	1.47010E-08	2.77YrCancerRMP_Inh	8.07630E-06	0.000E+00
978	ALL	416976.39	3727081.27	3.91724E-05	1.42610E-08	2.77YrCancerRMP_Inh	7.83450E-06	0.000E+00
979	ALL	416992.82	3727073.85	3.84452E-05	1.39960E-08	2.77YrCancerRMP_Inh	7.68900E-06	0.000E+00
980	ALL	417025.70	3727059.00	3.68150E-05	1.34030E-08	2.77YrCancerRMP_Inh	7.36300E-06	0.000E+00
981	ALL	417042.14	3727051.57	3.59400E-05	1.30840E-08	2.77YrCancerRMP_Inh	7.18800E-06	0.000E+00
982	ALL	417075.02	3727036.72	3.41514E-05	1.24330E-08	2.77YrCancerRMP_Inh	6.83030E-06	0.000E+00
983	ALL	417091.45	3727029.30	3.32619E-05	1.21090E-08	2.77YrCancerRMP_Inh	6.65240E-06	0.000E+00
984	ALL	417124.33	3727014.45	3.15481E-05	1.14850E-08	2.77YrCancerRMP_Inh	6.30960E-06	0.000E+00
985	ALL	417140.77	3727007.03	3.07374E-05	1.11900E-08	2.77YrCancerRMP_Inh	6.14750E-06	0.000E+00
986	ALL	417157.21	3726999.60	2.99576E-05	1.09060E-08	2.77YrCancerRMP_Inh	5.99150E-06	0.000E+00
987	ALL	417190.09	3726984.76	2.85160E-05	1.03810E-08	2.77YrCancerRMP_Inh	5.70320E-06	0.000E+00
988	ALL	417206.52	3726977.33	2.78453E-05	1.01370E-08	2.77YrCancerRMP_Inh	5.56910E-06	0.000E+00
989	ALL	417239.40	3726962.48	2.65987E-05	9.68340E-09	2.77YrCancerRMP_Inh	5.31970E-06	0.000E+00
990	ALL	417255.84	3726955.06	2.60140E-05	9.47060E-09	2.77YrCancerRMP_Inh	5.20280E-06	0.000E+00
991	ALL	417288.72	3726940.21	2.49095E-05	9.06840E-09	2.77YrCancerRMP_Inh	4.98190E-06	0.000E+00
992	ALL	417305.16	3726932.79	2.43846E-05	8.87740E-09	2.77YrCancerRMP_Inh	4.87690E-06	0.000E+00
993	ALL	416633.53	3727685.42	3.53600E-05	1.28730E-08	2.77YrCancerRMP_Inh	7.07200E-06	0.000E+00
994	ALL	416635.11	3727703.84	3.48626E-05	1.26920E-08	2.77YrCancerRMP_Inh	6.97250E-06	0.000E+00
995	ALL	416636.70	3727722.26	3.43254E-05	1.24960E-08	2.77YrCancerRMP_Inh	6.86510E-06	0.000E+00
996	ALL	416638.29	3727740.68	3.37592E-05	1.22900E-08	2.77YrCancerRMP_Inh	6.75180E-06	0.000E+00
997	ALL	416639.88	3727759.11	3.31799E-05	1.20790E-08	2.77YrCancerRMP_Inh	6.63600E-06	0.000E+00
998	ALL	416641.47	3727777.53	3.26020E-05	1.18690E-08	2.77YrCancerRMP_Inh	6.52040E-06	0.000E+00
999	ALL	416643.05	3727795.95	3.20379E-05	1.16640E-08	2.77YrCancerRMP_Inh	6.40760E-06	0.000E+00
1000	ALL	416644.64	3727814.37	3.15037E-05	1.14690E-08	2.77YrCancerRMP_Inh	6.30070E-06	0.000E+00
1001	ALL	416646.23	3727832.79	3.10119E-05	1.12900E-08	2.77YrCancerRMP_Inh	6.20240E-06	0.000E+00
1002	ALL	416647.82	3727851.22	3.05698E-05	1.11290E-08	2.77YrCancerRMP_Inh	6.11400E-06	0.000E+00
1003	ALL	416649.41	3727869.64	3.01933E-05	1.09920E-08	2.77YrCancerRMP_Inh	6.03870E-06	0.000E+00
1004	ALL	417365.03	3727909.43	1.56122E-03	5.68370E-07	2.77YrCancerRMP_Inh	3.12240E-04	0.000E+00
1005	ALL	417400.42	3727909.24	2.57748E-03	9.38350E-07	2.77YrCancerRMP_Inh	5.15500E-04	0.000E+00
1006	ALL	417435.82	3727909.06	3.46378E-03	1.26100E-06	2.77YrCancerRMP_Inh	6.92760E-04	0.000E+00
1007	ALL	417471.21	3727908.88	3.84723E-03	1.40060E-06	2.77YrCancerRMP_Inh	7.69450E-04	0.000E+00
1008	ALL	417365.14	3727929.43	1.22904E-03	4.47440E-07	2.77YrCancerRMP_Inh	2.45810E-04	0.000E+00
1009	ALL	417400.53	3727929.24	1.97686E-03	7.19690E-07	2.77YrCancerRMP_Inh	3.95370E-04	0.000E+00
1010	ALL	417435.92	3727929.06	2.70311E-03	9.84080E-07	2.77YrCancerRMP_Inh	5.40620E-04	0.000E+00
1011	ALL	417471.31	3727928.88	3.09234E-03	1.12580E-06	2.77YrCancerRMP_Inh	6.18470E-04	0.000E+00
1012	ALL	417268.29	3727919.02	4.71731E-04	1.71740E-07	2.77YrCancerRMP_Inh	9.43460E-05	0.000E+00
1013	ALL	417365.24	3727949.43	9.94473E-04	3.62040E-07	2.77YrCancerRMP_Inh	1.98890E-04	0.000E+00
1014	ALL	417400.63	3727949.24	1.55699E-03	5.66830E-07	2.77YrCancerRMP_Inh	3.11400E-04	0.000E+00
1015	ALL	417436.02	3727949.06	2.14859E-03	7.82210E-07	2.77YrCancerRMP_Inh	4.29720E-04	0.000E+00
1016	ALL	417270.01	3727939.64	4.16769E-04	1.51730E-07	2.77YrCancerRMP_Inh	8.33540E-05	0.000E+00
1017	ALL	417231.59	3727912.78	3.75726E-04	1.36790E-07	2.77YrCancerRMP_Inh	7.51450E-05	0.000E+00
1018	ALL	417365.34	3727969.43	8.22491E-04	2.99430E-07	2.77YrCancerRMP_Inh	1.64500E-04	0.000E+00
1019	ALL	417400.73	3727969.24	1.25387E-03	4.56480E-07	2.77YrCancerRMP_Inh	2.50770E-04	0.000E+00
1020	ALL	417436.13	3727969.06	1.73555E-03	6.31840E-07	2.77YrCancerRMP_Inh	3.47110E-04	0.000E+00
1021	ALL	417471.52	3727968.88	2.07568E-03	7.55660E-07	2.77YrCancerRMP_Inh	4.15140E-04	0.000E+00
1022	ALL	417271.33	3727960.11	3.69518E-04	1.34530E-07	2.77YrCancerRMP_Inh	7.39040E-05	0.000E+00
1023	ALL	417240.76	3727948.35	3.23754E-04	1.17860E-07	2.77YrCancerRMP_Inh	6.47510E-05	0.000E+00
1024	ALL	417218.22	3727927.78	3.17843E-04	1.15710E-07	2.77YrCancerRMP_Inh	6.35690E-05	0.000E+00
1025	ALL	417365.45	3727989.43	6.92498E-04	2.52110E-07	2.77YrCancerRMP_Inh	1.38500E-04	0.000E+00
1026	ALL	417400.84	3727989.24	1.02888E-03	3.74570E-07	2.77YrCancerRMP_Inh	2.05780E-04	0.000E+00
1027	ALL	417436.23	3727989.06	1.42191E-03	5.17650E-07	2.77YrCancerRMP_Inh	2.84380E-04	0.000E+00
1028	ALL	417272.37	3727980.47	3.29237E-04	1.19860E-07	2.77YrCancerRMP_Inh	6.58470E-05	0.000E+00
1029	ALL	417242.18	3727968.86	2.89220E-04	1.05290E-07	2.77YrCancerRMP_Inh	5.78440E-05	0.000E+00
1030	ALL	417204.83	3727942.73	2.72321E-04	9.91400E-08	2.77YrCancerRMP_Inh	5.44640E-05	0.000E+00
1031	ALL	417190.51	3727913.72	2.86446E-04	1.04280E-07	2.77YrCancerRMP_Inh	5.72890E-05	0.000E+00
1032	ALL	417365.55	3728009.43	5.91564E-04	2.15360E-07	2.77YrCancerRMP_Inh	1.18310E-04	0.000E+00
1033	ALL	417400.94	3728009.24	8.57649E-04	3.12230E-07	2.77YrCancerRMP_Inh	1.71530E-04	0.000E+00
1034	ALL	417436.33	3728009.06	1.17988E-03	4.29540E-07	2.77YrCancerRMP_Inh	2.35980E-04	0.000E+00
1035	ALL	417471.72	3728008.88	1.44989E-03	5.27840E-07	2.77YrCancerRMP_Inh	2.89980E-04	0.000E+00
1036	ALL	417267.38	3728015.98	2.59580E-04	9.45020E-08	2.77YrCancerRMP_Inh	5.19160E-05	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
1037	ALL	417235.11	3728003.56	2.29259E-04	8.34630E-08	2.77YrCancerRMP_Inh	4.58520E-05	0.000E+00
1038	ALL	417202.84	3727991.14	2.10458E-04	7.66190E-08	2.77YrCancerRMP_Inh	4.20920E-05	0.000E+00
1039	ALL	417179.06	3727969.43	2.10138E-04	7.65020E-08	2.77YrCancerRMP_Inh	4.20280E-05	0.000E+00
1040	ALL	417163.75	3727938.43	2.22307E-04	8.09320E-08	2.77YrCancerRMP_Inh	4.44610E-05	0.000E+00
1041	ALL	417365.74	3728046.93	4.54504E-04	1.65470E-07	2.77YrCancerRMP_Inh	9.09010E-05	0.000E+00
1042	ALL	417401.13	3728046.74	6.31505E-04	2.29900E-07	2.77YrCancerRMP_Inh	1.26300E-04	0.000E+00
1043	ALL	417436.53	3728046.56	8.57015E-04	3.12000E-07	2.77YrCancerRMP_Inh	1.71400E-04	0.000E+00
1044	ALL	417471.92	3728046.38	1.06730E-03	3.88560E-07	2.77YrCancerRMP_Inh	2.13460E-04	0.000E+00
1045	ALL	417270.40	3728054.56	2.19129E-04	7.97750E-08	2.77YrCancerRMP_Inh	4.38260E-05	0.000E+00
1046	ALL	417239.27	3728042.58	1.91430E-04	6.96910E-08	2.77YrCancerRMP_Inh	3.82860E-05	0.000E+00
1047	ALL	417208.13	3728030.60	1.76570E-04	6.42810E-08	2.77YrCancerRMP_Inh	3.53140E-05	0.000E+00
1048	ALL	417177.00	3728018.62	1.65444E-04	6.02310E-08	2.77YrCancerRMP_Inh	3.30890E-05	0.000E+00
1049	ALL	417154.04	3727997.67	1.66275E-04	6.05330E-08	2.77YrCancerRMP_Inh	3.32550E-05	0.000E+00
1050	ALL	417139.28	3727967.76	1.76249E-04	6.41650E-08	2.77YrCancerRMP_Inh	3.52500E-05	0.000E+00
1051	ALL	417124.51	3727937.84	1.81253E-04	6.59860E-08	2.77YrCancerRMP_Inh	3.62510E-05	0.000E+00
1052	ALL	417365.94	3728084.42	3.60969E-04	1.31410E-07	2.77YrCancerRMP_Inh	7.21940E-05	0.000E+00
1053	ALL	417401.33	3728084.24	4.82587E-04	1.75690E-07	2.77YrCancerRMP_Inh	9.65170E-05	0.000E+00
1054	ALL	417436.72	3728084.06	6.43695E-04	2.34340E-07	2.77YrCancerRMP_Inh	1.28740E-04	0.000E+00
1055	ALL	417266.79	3728090.60	1.80993E-04	6.58920E-08	2.77YrCancerRMP_Inh	3.61990E-05	0.000E+00
1056	ALL	417234.13	3728078.03	1.57951E-04	5.75030E-08	2.77YrCancerRMP_Inh	3.15900E-05	0.000E+00
1057	ALL	417201.47	3728065.46	1.45882E-04	5.31090E-08	2.77YrCancerRMP_Inh	2.91760E-05	0.000E+00
1058	ALL	417168.81	3728052.90	1.37397E-04	5.00200E-08	2.77YrCancerRMP_Inh	2.74790E-05	0.000E+00
1059	ALL	417128.40	3728024.64	1.34998E-04	4.91470E-08	2.77YrCancerRMP_Inh	2.70000E-05	0.000E+00
1060	ALL	417112.91	3727993.26	1.43569E-04	5.22670E-08	2.77YrCancerRMP_Inh	2.87140E-05	0.000E+00
1061	ALL	417097.43	3727961.88	1.48406E-04	5.40280E-08	2.77YrCancerRMP_Inh	2.96810E-05	0.000E+00
1062	ALL	417081.94	3727930.50	1.48201E-04	5.39530E-08	2.77YrCancerRMP_Inh	2.96400E-05	0.000E+00
1063	ALL	417366.13	3728121.92	2.93853E-04	1.06980E-07	2.77YrCancerRMP_Inh	5.87710E-05	0.000E+00
1064	ALL	417401.52	3728121.74	3.79658E-04	1.38220E-07	2.77YrCancerRMP_Inh	7.59320E-05	0.000E+00
1065	ALL	417436.91	3728121.56	4.97214E-04	1.81010E-07	2.77YrCancerRMP_Inh	9.94430E-05	0.000E+00
1066	ALL	417472.30	3728121.38	6.22253E-04	2.26540E-07	2.77YrCancerRMP_Inh	1.24450E-04	0.000E+00
1067	ALL	417269.37	3728129.02	1.57631E-04	5.73860E-08	2.77YrCancerRMP_Inh	3.15260E-05	0.000E+00
1068	ALL	417237.67	3728116.82	1.35677E-04	4.93940E-08	2.77YrCancerRMP_Inh	2.71350E-05	0.000E+00
1069	ALL	417205.97	3728104.62	1.24887E-04	4.54660E-08	2.77YrCancerRMP_Inh	2.49770E-05	0.000E+00
1070	ALL	417174.27	3728092.42	1.17857E-04	4.29070E-08	2.77YrCancerRMP_Inh	2.35710E-05	0.000E+00
1071	ALL	417142.57	3728080.22	1.12391E-04	4.09170E-08	2.77YrCancerRMP_Inh	2.24780E-05	0.000E+00
1072	ALL	417103.35	3728052.80	1.11362E-04	4.05420E-08	2.77YrCancerRMP_Inh	2.22720E-05	0.000E+00
1073	ALL	417088.32	3728022.34	1.18393E-04	4.31020E-08	2.77YrCancerRMP_Inh	2.36790E-05	0.000E+00
1074	ALL	417073.28	3727991.88	1.23107E-04	4.48180E-08	2.77YrCancerRMP_Inh	2.46210E-05	0.000E+00
1075	ALL	417058.25	3727961.42	1.24387E-04	4.52840E-08	2.77YrCancerRMP_Inh	2.48770E-05	0.000E+00
1076	ALL	417043.21	3727930.96	1.22049E-04	4.44330E-08	2.77YrCancerRMP_Inh	2.44100E-05	0.000E+00
1077	ALL	417366.32	3728159.42	2.43161E-04	8.85240E-08	2.77YrCancerRMP_Inh	4.86320E-05	0.000E+00
1078	ALL	417401.72	3728159.24	3.05576E-04	1.11250E-07	2.77YrCancerRMP_Inh	6.11150E-05	0.000E+00
1079	ALL	417437.11	3728159.06	3.93189E-04	1.43140E-07	2.77YrCancerRMP_Inh	7.86380E-05	0.000E+00
1080	ALL	417472.50	3728158.88	4.90218E-04	1.78470E-07	2.77YrCancerRMP_Inh	9.80440E-05	0.000E+00
1081	ALL	417266.56	3728165.36	1.31600E-04	4.79100E-08	2.77YrCancerRMP_Inh	2.63200E-05	0.000E+00
1082	ALL	417233.66	3728152.70	1.14593E-04	4.17180E-08	2.77YrCancerRMP_Inh	2.29190E-05	0.000E+00
1083	ALL	417200.75	3728140.04	1.05845E-04	3.85330E-08	2.77YrCancerRMP_Inh	2.11690E-05	0.000E+00
1084	ALL	417167.85	3728127.38	1.00102E-04	3.64430E-08	2.77YrCancerRMP_Inh	2.00200E-05	0.000E+00
1085	ALL	417134.94	3728114.72	9.57362E-05	3.48530E-08	2.77YrCancerRMP_Inh	1.91470E-05	0.000E+00
1086	ALL	417102.04	3728102.05	9.20089E-05	3.34960E-08	2.77YrCancerRMP_Inh	1.84020E-05	0.000E+00
1087	ALL	417077.78	3728079.92	9.35342E-05	3.40520E-08	2.77YrCancerRMP_Inh	1.87070E-05	0.000E+00
1088	ALL	417062.18	3728048.30	9.96288E-05	3.62710E-08	2.77YrCancerRMP_Inh	1.99260E-05	0.000E+00
1089	ALL	417046.57	3728016.68	1.03964E-04	3.78490E-08	2.77YrCancerRMP_Inh	2.07930E-05	0.000E+00
1090	ALL	417030.97	3727985.07	1.05530E-04	3.84190E-08	2.77YrCancerRMP_Inh	2.11060E-05	0.000E+00
1091	ALL	417015.37	3727953.45	1.04013E-04	3.78660E-08	2.77YrCancerRMP_Inh	2.08030E-05	0.000E+00
1092	ALL	417366.52	3728196.92	2.01956E-04	7.35230E-08	2.77YrCancerRMP_Inh	4.03910E-05	0.000E+00
1093	ALL	417401.91	3728196.74	2.50083E-04	9.10440E-08	2.77YrCancerRMP_Inh	5.00170E-05	0.000E+00
1094	ALL	417437.30	3728196.56	3.16964E-04	1.15390E-07	2.77YrCancerRMP_Inh	6.33930E-05	0.000E+00
1095	ALL	417472.69	3728196.37	3.93039E-04	1.43090E-07	2.77YrCancerRMP_Inh	7.86080E-05	0.000E+00
1096	ALL	417268.82	3728203.65	1.10386E-04	4.01870E-08	2.77YrCancerRMP_Inh	2.20770E-05	0.000E+00
1097	ALL	417236.74	3728191.31	9.91145E-05	3.60830E-08	2.77YrCancerRMP_Inh	1.98230E-05	0.000E+00
1098	ALL	417204.66	3728178.97	9.20863E-05	3.35250E-08	2.77YrCancerRMP_Inh	1.84170E-05	0.000E+00
1099	ALL	417172.58	3728166.62	8.72571E-05	3.17670E-08	2.77YrCancerRMP_Inh	1.74510E-05	0.000E+00
1100	ALL	417140.50	3728154.28	8.36020E-05	3.04360E-08	2.77YrCancerRMP_Inh	1.67200E-05	0.000E+00
1101	ALL	417108.42	3728141.94	8.06343E-05	2.93550E-08	2.77YrCancerRMP_Inh	1.61270E-05	0.000E+00
1102	ALL	417076.34	3728129.59	7.80323E-05	2.84080E-08	2.77YrCancerRMP_Inh	1.56060E-05	0.000E+00
1103	ALL	417052.70	3728108.01	7.94569E-05	2.89270E-08	2.77YrCancerRMP_Inh	1.58910E-05	0.000E+00
1104	ALL	417037.49	3728077.19	8.45096E-05	3.07660E-08	2.77YrCancerRMP_Inh	1.69020E-05	0.000E+00
1105	ALL	417022.27	3728046.36	8.84464E-05	3.21990E-08	2.77YrCancerRMP_Inh	1.76890E-05	0.000E+00
1106	ALL	417007.06	3728015.54	9.04804E-05	3.29400E-08	2.77YrCancerRMP_Inh	1.80960E-05	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
1107	ALL	416991.85	3727984.72	9.01918E-05	3.28350E-08	2.77YrCancerRMP_Inh	1.80380E-05	0.000E+00
1108	ALL	416976.63	3727953.90	8.77542E-05	3.19470E-08	2.77YrCancerRMP_Inh	1.75510E-05	0.000E+00
1109	ALL	417366.71	3728234.42	1.68181E-04	6.12270E-08	2.77YrCancerRMP_Inh	3.36360E-05	0.000E+00
1110	ALL	417402.10	3728234.24	2.07272E-04	7.54590E-08	2.77YrCancerRMP_Inh	4.14540E-05	0.000E+00
1111	ALL	417437.49	3728234.06	2.59592E-04	9.45060E-08	2.77YrCancerRMP_Inh	5.19180E-05	0.000E+00
1112	ALL	417270.66	3728241.79	9.34775E-05	3.40310E-08	2.77YrCancerRMP_Inh	1.86960E-05	0.000E+00
1113	ALL	417239.24	3728229.70	8.59946E-05	3.13070E-08	2.77YrCancerRMP_Inh	1.71990E-05	0.000E+00
1114	ALL	417207.83	3728217.61	8.06036E-05	2.93440E-08	2.77YrCancerRMP_Inh	1.61210E-05	0.000E+00
1115	ALL	417176.41	3728205.52	7.66051E-05	2.78890E-08	2.77YrCancerRMP_Inh	1.53210E-05	0.000E+00
1116	ALL	417144.99	3728193.43	7.35012E-05	2.67590E-08	2.77YrCancerRMP_Inh	1.47000E-05	0.000E+00
1117	ALL	417113.57	3728181.34	7.09874E-05	2.58430E-08	2.77YrCancerRMP_Inh	1.41970E-05	0.000E+00
1118	ALL	417082.15	3728169.25	6.88810E-05	2.50770E-08	2.77YrCancerRMP_Inh	1.37760E-05	0.000E+00
1119	ALL	417050.73	3728157.16	6.70178E-05	2.43980E-08	2.77YrCancerRMP_Inh	1.34040E-05	0.000E+00
1120	ALL	417027.57	3728136.02	6.83118E-05	2.48690E-08	2.77YrCancerRMP_Inh	1.36620E-05	0.000E+00
1121	ALL	417012.67	3728105.84	7.25306E-05	2.64050E-08	2.77YrCancerRMP_Inh	1.45060E-05	0.000E+00
1122	ALL	416997.77	3728075.65	7.60299E-05	2.76790E-08	2.77YrCancerRMP_Inh	1.52060E-05	0.000E+00
1123	ALL	416982.88	3728045.46	7.82186E-05	2.84760E-08	2.77YrCancerRMP_Inh	1.56440E-05	0.000E+00
1124	ALL	416967.98	3728015.27	7.86721E-05	2.86410E-08	2.77YrCancerRMP_Inh	1.57340E-05	0.000E+00
1125	ALL	416953.08	3727985.09	7.73503E-05	2.81600E-08	2.77YrCancerRMP_Inh	1.54700E-05	0.000E+00
1126	ALL	416938.18	3727954.90	7.46431E-05	2.71740E-08	2.77YrCancerRMP_Inh	1.49290E-05	0.000E+00
1127	ALL	417366.91	3728271.92	1.41053E-04	5.13510E-08	2.77YrCancerRMP_Inh	2.82110E-05	0.000E+00
1128	ALL	417402.30	3728271.74	1.73818E-04	6.32800E-08	2.77YrCancerRMP_Inh	3.47640E-05	0.000E+00
1129	ALL	417437.69	3728271.56	2.15550E-04	7.84720E-08	2.77YrCancerRMP_Inh	4.31100E-05	0.000E+00
1130	ALL	417473.08	3728271.37	2.64012E-04	9.61150E-08	2.77YrCancerRMP_Inh	5.28020E-05	0.000E+00
1131	ALL	417268.53	3728278.39	8.03870E-05	2.92650E-08	2.77YrCancerRMP_Inh	1.60770E-05	0.000E+00
1132	ALL	417236.18	3728265.95	7.44578E-05	2.71070E-08	2.77YrCancerRMP_Inh	1.48920E-05	0.000E+00
1133	ALL	417203.83	3728253.50	7.02268E-05	2.55670E-08	2.77YrCancerRMP_Inh	1.40450E-05	0.000E+00
1134	ALL	417171.49	3728241.05	6.69825E-05	2.43850E-08	2.77YrCancerRMP_Inh	1.33960E-05	0.000E+00
1135	ALL	417139.14	3728228.60	6.43750E-05	2.34360E-08	2.77YrCancerRMP_Inh	1.28750E-05	0.000E+00
1136	ALL	417106.79	3728216.16	6.22293E-05	2.26550E-08	2.77YrCancerRMP_Inh	1.24460E-05	0.000E+00
1137	ALL	417074.44	3728203.71	6.04442E-05	2.20050E-08	2.77YrCancerRMP_Inh	1.20890E-05	0.000E+00
1138	ALL	417042.09	3728191.26	5.89253E-05	2.14520E-08	2.77YrCancerRMP_Inh	1.17850E-05	0.000E+00
1139	ALL	417002.07	3728163.27	5.94435E-05	2.16410E-08	2.77YrCancerRMP_Inh	1.18890E-05	0.000E+00
1140	ALL	416986.73	3728132.19	6.31479E-05	2.29890E-08	2.77YrCancerRMP_Inh	1.26300E-05	0.000E+00
1141	ALL	416971.39	3728101.11	6.63051E-05	2.41390E-08	2.77YrCancerRMP_Inh	1.32610E-05	0.000E+00
1142	ALL	416956.05	3728070.03	6.83965E-05	2.49000E-08	2.77YrCancerRMP_Inh	1.36790E-05	0.000E+00
1143	ALL	416940.71	3728038.95	6.90331E-05	2.51320E-08	2.77YrCancerRMP_Inh	1.38070E-05	0.000E+00
1144	ALL	416925.37	3728007.87	6.81202E-05	2.48000E-08	2.77YrCancerRMP_Inh	1.36240E-05	0.000E+00
1145	ALL	416910.03	3727976.79	6.59289E-05	2.40020E-08	2.77YrCancerRMP_Inh	1.31860E-05	0.000E+00
1146	ALL	416894.69	3727945.71	6.29975E-05	2.29350E-08	2.77YrCancerRMP_Inh	1.26000E-05	0.000E+00
1147	ALL	417367.10	3728309.42	1.19817E-04	4.36200E-08	2.77YrCancerRMP_Inh	2.39630E-05	0.000E+00
1148	ALL	417402.49	3728309.24	1.47264E-04	5.36120E-08	2.77YrCancerRMP_Inh	2.94530E-05	0.000E+00
1149	ALL	417437.88	3728309.06	1.81157E-04	6.59510E-08	2.77YrCancerRMP_Inh	3.62310E-05	0.000E+00
1150	ALL	417333.62	3728403.24	7.11540E-05	2.59040E-08	2.77YrCancerRMP_Inh	1.42310E-05	0.000E+00
1151	ALL	417301.01	3728390.69	6.38836E-05	2.32570E-08	2.77YrCancerRMP_Inh	1.27770E-05	0.000E+00
1152	ALL	417268.40	3728378.14	5.83805E-05	2.12540E-08	2.77YrCancerRMP_Inh	1.16760E-05	0.000E+00
1153	ALL	417235.79	3728365.60	5.44046E-05	1.98060E-08	2.77YrCancerRMP_Inh	1.08810E-05	0.000E+00
1154	ALL	417203.19	3728353.05	5.15408E-05	1.87640E-08	2.77YrCancerRMP_Inh	1.03080E-05	0.000E+00
1155	ALL	417170.58	3728340.50	4.93806E-05	1.79770E-08	2.77YrCancerRMP_Inh	9.87610E-06	0.000E+00
1156	ALL	417137.97	3728327.96	4.76355E-05	1.73420E-08	2.77YrCancerRMP_Inh	9.52710E-06	0.000E+00
1157	ALL	417105.36	3728315.41	4.61511E-05	1.68020E-08	2.77YrCancerRMP_Inh	9.23020E-06	0.000E+00
1158	ALL	417072.76	3728302.86	4.48681E-05	1.63350E-08	2.77YrCancerRMP_Inh	8.97360E-06	0.000E+00
1159	ALL	417040.15	3728290.31	4.37757E-05	1.59370E-08	2.77YrCancerRMP_Inh	8.75510E-06	0.000E+00
1160	ALL	417007.54	3728277.77	4.28696E-05	1.56070E-08	2.77YrCancerRMP_Inh	8.57390E-06	0.000E+00
1161	ALL	416974.93	3728265.22	4.21178E-05	1.53330E-08	2.77YrCancerRMP_Inh	8.42360E-06	0.000E+00
1162	ALL	416934.60	3728237.01	4.27262E-05	1.55550E-08	2.77YrCancerRMP_Inh	8.54520E-06	0.000E+00
1163	ALL	416919.13	3728205.68	4.52618E-05	1.64780E-08	2.77YrCancerRMP_Inh	9.05240E-06	0.000E+00
1164	ALL	416903.67	3728174.35	4.75820E-05	1.73230E-08	2.77YrCancerRMP_Inh	9.51640E-06	0.000E+00
1165	ALL	416888.21	3728143.02	4.93941E-05	1.79820E-08	2.77YrCancerRMP_Inh	9.87880E-06	0.000E+00
1166	ALL	416872.74	3728111.69	5.04286E-05	1.83590E-08	2.77YrCancerRMP_Inh	1.00860E-05	0.000E+00
1167	ALL	416857.28	3728080.36	5.05183E-05	1.83920E-08	2.77YrCancerRMP_Inh	1.01040E-05	0.000E+00
1168	ALL	416841.82	3728049.03	4.96755E-05	1.80850E-08	2.77YrCancerRMP_Inh	9.93510E-06	0.000E+00
1169	ALL	416826.35	3728017.70	4.80936E-05	1.75090E-08	2.77YrCancerRMP_Inh	9.61870E-06	0.000E+00
1170	ALL	416810.89	3727986.37	4.60971E-05	1.67820E-08	2.77YrCancerRMP_Inh	9.21940E-06	0.000E+00
1171	ALL	416795.43	3727955.04	4.40337E-05	1.60310E-08	2.77YrCancerRMP_Inh	8.80670E-06	0.000E+00
1172	ALL	417367.62	3728409.42	8.24976E-05	3.00340E-08	2.77YrCancerRMP_Inh	1.65000E-05	0.000E+00
1173	ALL	417403.01	3728409.24	9.93145E-05	3.61560E-08	2.77YrCancerRMP_Inh	1.98630E-05	0.000E+00
1174	ALL	417438.40	3728409.05	1.19791E-04	4.36110E-08	2.77YrCancerRMP_Inh	2.39580E-05	0.000E+00
1175	ALL	417473.79	3728408.87	1.43505E-04	5.22440E-08	2.77YrCancerRMP_Inh	2.87010E-05	0.000E+00
1176	ALL	417334.04	3728503.20	5.32974E-05	1.94030E-08	2.77YrCancerRMP_Inh	1.06590E-05	0.000E+00

*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Cancer Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Chronic Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra
*HARP - HRACalc v22118 3/27/2025 1:57:09 PM - Acute Risk - Input File: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3 FiltersHRAInput.hra

REC	GRP	X	Y	CONC	RISK_SUM	SCENARIO	NonCancerChronicDerived_Inh MAXHI	MAXHI Acute
1177	ALL	417301.24	3728490.58	4.85056E-05	1.76590E-08	2.77YrCancerRMP_Inh	9.70110E-06	0.000E+00
1178	ALL	417268.45	3728477.96	4.47460E-05	1.62900E-08	2.77YrCancerRMP_Inh	8.94920E-06	0.000E+00
1179	ALL	417235.65	3728465.34	4.18944E-05	1.52520E-08	2.77YrCancerRMP_Inh	8.37890E-06	0.000E+00
1180	ALL	417202.86	3728452.72	3.97661E-05	1.44770E-08	2.77YrCancerRMP_Inh	7.95320E-06	0.000E+00
1181	ALL	417170.06	3728440.11	3.81456E-05	1.38870E-08	2.77YrCancerRMP_Inh	7.62910E-06	0.000E+00
1182	ALL	417137.27	3728427.49	3.68515E-05	1.34160E-08	2.77YrCancerRMP_Inh	7.37030E-06	0.000E+00
1183	ALL	417104.48	3728414.87	3.57560E-05	1.30170E-08	2.77YrCancerRMP_Inh	7.15120E-06	0.000E+00
1184	ALL	417071.68	3728402.25	3.47937E-05	1.26670E-08	2.77YrCancerRMP_Inh	6.95870E-06	0.000E+00
1185	ALL	417038.89	3728389.63	3.39428E-05	1.23570E-08	2.77YrCancerRMP_Inh	6.78860E-06	0.000E+00
1186	ALL	417006.09	3728377.01	3.32059E-05	1.20890E-08	2.77YrCancerRMP_Inh	6.64120E-06	0.000E+00
1187	ALL	416973.30	3728364.39	3.25888E-05	1.18640E-08	2.77YrCancerRMP_Inh	6.51780E-06	0.000E+00
1188	ALL	416940.50	3728351.77	3.20964E-05	1.16850E-08	2.77YrCancerRMP_Inh	6.41930E-06	0.000E+00
1189	ALL	416907.71	3728339.15	3.17072E-05	1.15430E-08	2.77YrCancerRMP_Inh	6.34140E-06	0.000E+00
1190	ALL	416867.14	3728310.78	3.22736E-05	1.17490E-08	2.77YrCancerRMP_Inh	6.45470E-06	0.000E+00
1191	ALL	416851.58	3728279.27	3.40791E-05	1.24070E-08	2.77YrCancerRMP_Inh	6.81580E-06	0.000E+00
1192	ALL	416836.03	3728247.76	3.58024E-05	1.30340E-08	2.77YrCancerRMP_Inh	7.16050E-06	0.000E+00
1193	ALL	416820.48	3728216.25	3.72752E-05	1.35700E-08	2.77YrCancerRMP_Inh	7.45500E-06	0.000E+00
1194	ALL	416804.93	3728184.74	3.83216E-05	1.39510E-08	2.77YrCancerRMP_Inh	7.66430E-06	0.000E+00
1195	ALL	416789.37	3728153.23	3.87979E-05	1.41250E-08	2.77YrCancerRMP_Inh	7.75960E-06	0.000E+00
1196	ALL	416773.82	3728121.72	3.86500E-05	1.40710E-08	2.77YrCancerRMP_Inh	7.73000E-06	0.000E+00
1197	ALL	416758.27	3728090.21	3.79170E-05	1.38040E-08	2.77YrCancerRMP_Inh	7.58340E-06	0.000E+00
1198	ALL	416742.72	3728058.70	3.67401E-05	1.33750E-08	2.77YrCancerRMP_Inh	7.34800E-06	0.000E+00
1199	ALL	416727.17	3728027.19	3.53146E-05	1.28570E-08	2.77YrCancerRMP_Inh	7.06290E-06	0.000E+00
1200	ALL	416711.61	3727995.68	3.38539E-05	1.23250E-08	2.77YrCancerRMP_Inh	6.77080E-06	0.000E+00
1201	ALL	416696.06	3727964.17	3.25335E-05	1.18440E-08	2.77YrCancerRMP_Inh	6.50670E-06	0.000E+00
1202	ALL	416680.51	3727932.66	3.14613E-05	1.14540E-08	2.77YrCancerRMP_Inh	6.29230E-06	0.000E+00
1203	ALL	416664.96	3727901.15	3.06859E-05	1.11710E-08	2.77YrCancerRMP_Inh	6.13720E-06	0.000E+00
1204	ALL	417368.13	3728509.42	6.05861E-05	2.20570E-08	2.77YrCancerRMP_Inh	1.21170E-05	0.000E+00
1205	ALL	417403.52	3728509.24	7.12341E-05	2.59330E-08	2.77YrCancerRMP_Inh	1.42470E-05	0.000E+00
1206	ALL	417438.92	3728509.05	8.41751E-05	3.06440E-08	2.77YrCancerRMP_Inh	1.68350E-05	0.000E+00
1207	ALL	417474.31	3728508.87	9.92545E-05	3.61340E-08	2.77YrCancerRMP_Inh	1.98510E-05	0.000E+00
1208	ALL	417518.02	3727773.28	6.12295E-03	2.22910E-06	2.77YrCancerRMP_Inh	1.22460E-03	0.000E+00
1209	ALL	417688.05	3727771.56	6.51232E-04	2.37090E-07	2.77YrCancerRMP_Inh	1.30250E-04	0.000E+00
1210	ALL	417724.17	3727766.40	4.63205E-04	1.68630E-07	2.77YrCancerRMP_Inh	9.26410E-05	0.000E+00
1211	ALL	417757.10	3727741.83	3.13519E-04	1.14140E-07	2.77YrCancerRMP_Inh	6.27040E-05	0.000E+00
1212	ALL	417769.38	3727727.33	2.64500E-04	9.62930E-08	2.77YrCancerRMP_Inh	5.29000E-05	0.000E+00
1213	ALL	417643.71	3727646.89	4.11284E-04	1.49730E-07	2.77YrCancerRMP_Inh	8.22570E-05	0.000E+00
1214	ALL	417350.26	3727597.68	2.05722E-03	7.48950E-07	2.77YrCancerRMP_Inh	4.11440E-04	0.000E+00
1215	ALL	417383.43	3727613.41	3.46810E-03	1.26260E-06	2.77YrCancerRMP_Inh	6.93620E-04	0.000E+00
1216	ALL	417422.75	3727612.67	3.30382E-03	1.20280E-06	2.77YrCancerRMP_Inh	6.60760E-04	0.000E+00
1217	ALL	417460.10	3727594.73	1.53036E-03	5.57140E-07	2.77YrCancerRMP_Inh	3.06070E-04	0.000E+00
1218	ALL	417403.83	3727593.75	1.99318E-03	7.25630E-07	2.77YrCancerRMP_Inh	3.98640E-04	0.000E+00
1219	ALL	417429.89	3727559.32	8.64715E-04	3.14800E-07	2.77YrCancerRMP_Inh	1.72940E-04	0.000E+00
1220	ALL	417486.39	3727597.85	1.25003E-03	4.55080E-07	2.77YrCancerRMP_Inh	2.50010E-04	0.000E+00
1221	ALL	417484.72	3727615.81	2.02695E-03	7.37920E-07	2.77YrCancerRMP_Inh	4.05390E-04	0.000E+00
1222	ALL	417486.60	3727634.61	3.76739E-03	1.37150E-06	2.77YrCancerRMP_Inh	7.53480E-04	0.000E+00
1223	ALL	417487.22	3727651.95	5.77528E-03	2.10250E-06	2.77YrCancerRMP_Inh	1.15510E-03	0.000E+00

HARP2 - HRACalc (dated 22118) 3/27/2025 1:57:09 PM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: HighEnd

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 2.77

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0.77
2<16 Years Bin: 0
16<30 Years Bin: 0
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: False
Dermal: False
Mother's milk: False

```
Water: False
Fish: False
Homegrown crops: False
Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

**********
INHALATION

Daily breathing rate: RMP

**Worker Adjustment Factors**
Worker adjustment factors enabled: NO

**Fraction at time at home**
3rd Trimester to 16 years: OFF
16 years to 70 years: OFF

**********
TIER 2 SETTINGS

Tier2 adjustments were used in this assessment.  Please see the input file for details.
Tier2 - What was changed: ED or start age changed
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3
Filters Con\hra\Lvl 3 FiltersCancerRisk.csv
Cancer risk total by receptor saved to: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl
3 FiltersCancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3
Filters Con\hra\Lvl 3 FiltersNCChronicRisk.csv
Chronic risk total by receptor saved to: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl
3 FiltersNCChronicRiskSumByRec.csv
```

```
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3
Filters Con\hra\Lvl 3 FiltersNCAcuteRisk.csv
Acute risk total by receptor saved to: F:\Jobs\49400060\HARP\03 - V3 (March 2025)\03 - CM L3 Filters Con\hra\Lvl 3
FiltersNCAcuteRiskSumByRec.csv
HRA ran successfully
```

PROJECT TITLE:

Graphical Representation of AERMOD Inputs - Operational HRA



COMMENTS:	SOURCES: **7**	COMPANY NAME:	
	RECEPTORS: **60**	MODELER:	
		SCALE: 1:9,963 0 0.3 km	
		DATE: **4/18/2025**	PROJECT NO.:

AERMOD View - Lakes Environmental Software

D:\4940.0060 Costa Mesa Bear\Op HRA\Op HRA.isc

Vehicle Emissions for the Operational Health Risk Analysis—Bear Street Residential Project

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: Orange
Calendar Year: 2028
Season: Annual
Vehicle Classification: EMFAC2007 Categories

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	PM10 RUNEX (g/mi)	Fleet Percent	I-405 Trips	I-405 Segment Length (m)	Link Length (mi)	Ave Emissions Over Link (g/day)	Ave Emissions (lbs/day)	Average Emissions (g/sec)
Orange	2028	HHDT	Aggregate	Aggregate	Gasoline	541.7999038	0.001126311	0.00063%	1.26	1146.1	0.711971212	1.01300E-03	2.23128E-06	1.17246E-08
Orange	2028	HHDT	Aggregate	Aggregate	Diesel	1319644.278	0.025058904	1.52320%	3,076.86	1146.1	0.711971212	5.48949E+01	1.20914E-01	6.35358E-04
Orange	2028	LDA	Aggregate	Aggregate	Gasoline	41263326.11	0.001130905	47.62815%	96,208.86	1146.1	0.711971212	7.74646E+01	1.70627E-01	8.96582E-04
Orange	2028	LDA	Aggregate	Aggregate	Diesel	64952.63275	0.008932221	0.07497%	151.44	1146.1	0.711971212	9.63096E-01	2.12136E-03	1.11469E-05
Orange	2028	LDT1	Aggregate	Aggregate	Gasoline	3313373.272	0.001591026	3.82446%	7,725.40	1146.1	0.711971212	8.75107E+00	1.92755E-02	1.01285E-04
Orange	2028	LDT1	Aggregate	Aggregate	Diesel	106.1649511	0.178237729	0.00012%	0.25	1146.1	0.711971212	3.14119E-02	6.91892E-05	3.63564E-07
Orange	2028	LDT2	Aggregate	Aggregate	Gasoline	22230739.4	0.001178246	25.65981%	51,832.81	1146.1	0.711971212	4.34814E+01	9.57740E-02	5.03257E-04
Orange	2028	LDT2	Aggregate	Aggregate	Diesel	89167.78654	0.004363735	0.10292%	207.90	1146.1	0.711971212	6.45921E-01	1.42273E-03	7.47594E-06
Orange	2028	LHDT1	Aggregate	Aggregate	Gasoline	1631919.233	0.001076739	1.88364%	3,804.95	1146.1	0.711971212	2.91691E+00	6.42490E-03	3.37605E-05
Orange	2028	LHDT1	Aggregate	Aggregate	Diesel	1007077.961	0.016342789	1.16242%	2,348.09	1146.1	0.711971212	2.73214E+01	6.01792E-02	3.16220E-04
Orange	2028	LHDT2	Aggregate	Aggregate	Gasoline	240107.6	0.000964625	0.27714%	559.83	1146.1	0.711971212	3.84484E-01	8.46880E-04	4.45004E-06
Orange	2028	LHDT2	Aggregate	Aggregate	Diesel	441951.9889	0.016276346	0.51012%	1,030.45	1146.1	0.711971212	1.19411E+01	2.63020E-02	1.38207E-04
Orange	2028	MCY	Aggregate	Aggregate	Gasoline	337881.2058	0.002147659	0.39000%	787.80	1146.1	0.711971212	1.20460E+00	2.65330E-03	1.39421E-05
Orange	2028	MDV	Aggregate	Aggregate	Gasoline	12804464.08	0.001196422	14.77954%	29,854.67	1146.1	0.711971212	2.54308E+01	5.60149E-02	2.94337E-04
Orange	2028	MDV	Aggregate	Aggregate	Diesel	171182.0914	0.004952227	0.19759%	399.13	1146.1	0.711971212	1.40725E+00	3.09968E-03	1.62877E-05
Orange	2028	MH	Aggregate	Aggregate	Gasoline	53472.45404	0.001039613	0.06172%	124.68	1146.1	0.711971212	9.22816E-02	2.03263E-04	1.06807E-06
Orange	2028	MH	Aggregate	Aggregate	Diesel	29192.12881	0.077295702	0.03369%	68.06	1146.1	0.711971212	3.74571E+00	8.25047E-03	4.33531E-05
Orange	2028	MHDT	Aggregate	Aggregate	Gasoline	324620.0907	0.000934082	0.37469%	756.88	1146.1	0.711971212	5.03354E-01	1.10871E-03	5.82586E-06
Orange	2028	MHDT	Aggregate	Aggregate	Diesel	1155989.803	0.006825063	1.33430%	2,695.29	1146.1	0.711971212	1.30971E+01	2.88482E-02	1.51586E-04
Orange	2028	OBUS	Aggregate	Aggregate	Gasoline	31513.71967	0.00092329	0.03637%	73.48	1146.1	0.711971212	4.83004E-02	1.06389E-04	5.59033E-07
Orange	2028	OBUS	Aggregate	Aggregate	Diesel	36995.55648	0.028960464	0.04270%	86.26	1146.1	0.711971212	1.77856E+00	3.91753E-03	2.05852E-05
Orange	2028	SBUS	Aggregate	Aggregate	Gasoline	31666.65086	0.001244818	0.03655%	73.83	1146.1	0.711971212	6.54367E-02	1.44134E-04	7.57369E-07
Orange	2028	SBUS	Aggregate	Aggregate	Diesel	13991.01927	0.038983094	0.01615%	32.62	1146.1	0.711971212	9.05397E-01	1.99427E-03	1.04791E-05
Orange	2028	UBUS	Aggregate	Aggregate	Gasoline	42546.43435	0.00114803	0.04911%	99.20	1146.1	0.711971212	8.10829E-02	1.78597E-04	9.38460E-07
						86636423.47	-	100.00000%	202,000	-	-	2.77157E+02	6.10478E-01	3.20784E-03

Roadway Segments	OCTA Annual Trip Gen
I-405	202,000
SR 73	137,000
Bear St	26,000
Bristol St	44,000
Paularino Ave (E of Bristol)	16,000
Total	**425,000**

Vehicle Emissions for the Operational Health Risk Analysis—Bear Street Residential Project

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: Orange
Calendar Year: 2028
Season: Annual
Vehicle Classification: EMFAC2007 Categories

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	PM10 RUNEX (g/mi)	Fleet Percent	SR 73 Trips	SR 73 Segment Length (m)	Link Length (mi)	Ave Emissions Over Link (g/day)	Ave Emissions (lbs/day)	Average Emissions (g/sec)
Orange	2028	HHDT	Aggregate	Aggregate	Gasoline	541.7999038	0.001126311	0.00063%	0.86	964.6	0.599221212	5.78235E-04	1.27365E-06	6.69254E-09
Orange	2028	HHDT	Aggregate	Aggregate	Diesel	1319644.278	0.025058904	1.52320%	2,086.78	965.6	0.599842424	3.13672E+01	6.90908E-02	3.63047E-04
Orange	2028	LDA	Aggregate	Aggregate	Gasoline	41263326.11	0.001130905	47.62815%	65,250.57	966.6	0.600463636	4.43095E+01	9.75981E-02	5.12842E-04
Orange	2028	LDA	Aggregate	Aggregate	Diesel	64952.63275	0.008932221	0.07497%	102.71	967.6	0.601084848	5.51457E-01	1.21466E-03	6.38261E-06
Orange	2028	LDT1	Aggregate	Aggregate	Gasoline	3313373.272	0.001591026	3.82446%	5,239.51	968.6	0.601706061	5.01594E+00	1.10483E-02	5.80548E-05
Orange	2028	LDT1	Aggregate	Aggregate	Diesel	106.1649511	0.178237729	0.00012%	0.17	969.6	0.602327273	1.80233E-02	3.96988E-05	2.08603E-07
Orange	2028	LDT2	Aggregate	Aggregate	Gasoline	22230739.4	0.001178246	25.65981%	35,153.94	970.6	0.602948485	2.49741E+01	5.50091E-02	2.89052E-04
Orange	2028	LDT2	Aggregate	Aggregate	Diesel	89167.78654	0.004363735	0.10292%	141.00	971.6	0.603569697	3.71376E-01	8.18009E-04	4.29833E-06
Orange	2028	LHDT1	Aggregate	Aggregate	Gasoline	1631919.233	0.001076739	1.88364%	2,580.59	972.6	0.604190909	1.67882E+00	3.69783E-03	1.94307E-05
Orange	2028	LHDT1	Aggregate	Aggregate	Diesel	1007077.961	0.016342789	1.16242%	1,592.51	973.6	0.604812121	1.57409E+01	3.46716E-02	1.82186E-04
Orange	2028	LHDT2	Aggregate	Aggregate	Gasoline	240107.6	0.000964625	0.27714%	379.69	974.6	0.605433333	2.21743E-01	4.88422E-04	2.56648E-06
Orange	2028	LHDT2	Aggregate	Aggregate	Diesel	441951.9889	0.016276346	0.51012%	698.87	975.6	0.606054545	6.89388E+00	1.51848E-02	7.97903E-05
Orange	2028	MCY	Aggregate	Aggregate	Gasoline	337881.2058	0.002147659	0.39000%	534.30	976.6	0.606675758	6.96155E-01	1.53338E-03	8.05735E-06
Orange	2028	MDV	Aggregate	Aggregate	Gasoline	12804464.08	0.001196422	14.77954%	20,247.97	977.6	0.60729697	1.47118E+01	3.24049E-02	1.70276E-04
Orange	2028	MDV	Aggregate	Aggregate	Diesel	171182.0914	0.004952227	0.19759%	270.69	978.6	0.607918182	8.14937E-01	1.79502E-03	9.43214E-06
Orange	2028	MH	Aggregate	Aggregate	Gasoline	53472.45404	0.001039613	0.06172%	84.56	979.6	0.608539394	5.34947E-02	1.17830E-04	6.19151E-07
Orange	2028	MH	Aggregate	Aggregate	Diesel	29192.12881	0.077295702	0.03369%	46.16	980.6	0.609160606	2.17357E+00	4.78759E-03	2.51570E-05
Orange	2028	MHDT	Aggregate	Aggregate	Gasoline	324620.0907	0.000934082	0.37469%	513.33	981.6	0.609781818	2.92385E-01	6.44019E-04	3.38408E-06
Orange	2028	MHDT	Aggregate	Aggregate	Diesel	1155989.803	0.006825063	1.33430%	1,827.99	982.6	0.61040303	7.61548E+00	1.67742E-02	8.81422E-05
Orange	2028	OBUS	Aggregate	Aggregate	Gasoline	31513.71967	0.00092329	0.03637%	49.83	983.6	0.611024242	2.81136E-02	6.19242E-05	3.25389E-07
Orange	2028	OBUS	Aggregate	Aggregate	Diesel	36995.55648	0.028960464	0.04270%	58.50	984.6	0.611645455	1.03627E+00	2.28254E-03	1.19939E-05
Orange	2028	SBUS	Aggregate	Aggregate	Gasoline	31666.65086	0.001244818	0.03655%	50.08	985.6	0.612266667	3.81653E-02	8.40645E-05	4.41728E-07
Orange	2028	SBUS	Aggregate	Aggregate	Diesel	13991.01927	0.038983094	0.01615%	22.12	986.6	0.612887879	5.28599E-01	1.16432E-03	6.11805E-06
Orange	2028	UBUS	Aggregate	Aggregate	Gasoline	42546.43435	0.00114803	0.04911%	67.28	987.6	0.613509091	4.73868E-02	1.04376E-04	5.48458E-07
						86636423.47	-	100.00000%	137,000	-	-	1.59180E+02	3.50617E-01	1.84236E-03

Roadway Segments	OCTA Annual Trip Gen
I-405	202,000
SR 73	137,000
Bear St	26,000
Bristol St	44,000
Paularino Ave (E of Bristol)	16,000
Total	**425,000**

Vehicle Emissions for the Operational Health Risk Analysis—Bear Street Residential Project

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: Orange
Calendar Year: 2028
Season: Annual
Vehicle Classification: EMFAC2007 Categories

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	PM10 RUNEX (g/mi)	Fleet Percent	Bear St Trips	Segment Trips (Bear St From North)	Bear St Segment 1 Length (m)	Link Length (mi)	Ave Emissions Over Link (g/day)	Ave Emissions (lbs/day)	Average Emissions (g/sec)
Orange	2028	HHDT	Aggregate	Aggregate	Gasoline	541.7999038	0.001126311	0.00063%	0.16	0.04	583.0	0.362166667	1.65813E-05	3.65227E-08	1.91913E-10
Orange	2028	HHDT	Aggregate	Aggregate	Diesel	1319644.278	0.025058904	1.52320%	396.03	99.01	583.0	0.362166667	8.98546E-01	1.97918E-03	1.03998E-05
Orange	2028	LDA	Aggregate	Aggregate	Gasoline	41263326.11	0.001130905	47.62815%	12,383.32	3,095.83	583.0	0.362166667	1.26798E+00	2.79290E-03	1.46757E-05
Orange	2028	LDA	Aggregate	Aggregate	Diesel	64952.63275	0.008932221	0.07497%	19.49	4.87	583.0	0.362166667	1.57644E-02	3.47234E-05	1.82458E-07
Orange	2028	LDT1	Aggregate	Aggregate	Gasoline	3313373.272	0.001591026	3.82446%	994.36	248.59	583.0	0.362166667	1.43242E-01	3.15510E-04	1.65789E-06
Orange	2028	LDT1	Aggregate	Aggregate	Diesel	106.1649511	0.178237729	0.00012%	0.03	0.01	583.0	0.362166667	5.14165E-04	1.13252E-06	5.95098E-09
Orange	2028	LDT2	Aggregate	Aggregate	Gasoline	22230739.4	0.001178246	25.65981%	6,671.55	1,667.89	583.0	0.362166667	7.11724E-01	1.56767E-03	8.23754E-06
Orange	2028	LDT2	Aggregate	Aggregate	Diesel	89167.78654	0.004363735	0.10292%	26.76	6.69	583.0	0.362166667	1.05727E-02	2.32880E-05	1.22370E-07
Orange	2028	LHDT1	Aggregate	Aggregate	Gasoline	1631919.233	0.001076739	1.88364%	489.75	122.44	583.0	0.362166667	4.77453E-02	1.05166E-04	5.52607E-07
Orange	2028	LHDT1	Aggregate	Aggregate	Diesel	1007077.961	0.016342789	1.16242%	302.23	75.56	583.0	0.362166667	4.47209E-01	9.85042E-04	5.17603E-06
Orange	2028	LHDT2	Aggregate	Aggregate	Gasoline	240107.6	0.000964625	0.27714%	72.06	18.01	583.0	0.362166667	6.29341E-03	1.38621E-05	7.28404E-08
Orange	2028	LHDT2	Aggregate	Aggregate	Diesel	441951.9889	0.016276346	0.51012%	132.63	33.16	583.0	0.362166667	1.95458E-01	4.30524E-04	2.26224E-06
Orange	2028	MCY	Aggregate	Aggregate	Gasoline	337881.2058	0.002147659	0.39000%	101.40	25.35	583.0	0.362166667	1.97175E-02	4.34305E-05	2.28211E-07
Orange	2028	MDV	Aggregate	Aggregate	Gasoline	12804464.08	0.001196422	14.77954%	3,842.68	960.67	583.0	0.362166667	4.16262E-01	9.16878E-04	4.81785E-06
Orange	2028	MDV	Aggregate	Aggregate	Diesel	171182.0914	0.004952227	0.19759%	51.37	12.84	583.0	0.362166667	2.30346E-02	5.07370E-05	2.66604E-07
Orange	2028	MH	Aggregate	Aggregate	Gasoline	53472.45404	0.001039613	0.06172%	16.05	4.01	583.0	0.362166667	1.51051E-03	3.32711E-06	1.74827E-08
Orange	2028	MH	Aggregate	Aggregate	Diesel	29192.12881	0.077295702	0.03369%	8.76	2.19	583.0	0.362166667	6.13116E-02	1.35048E-04	7.09625E-07
Orange	2028	MHDT	Aggregate	Aggregate	Gasoline	324620.0907	0.000934082	0.37469%	97.42	24.36	583.0	0.362166667	8.23913E-03	1.81479E-05	9.53603E-08
Orange	2028	MHDT	Aggregate	Aggregate	Diesel	1155989.803	0.006825063	1.33430%	346.92	86.73	583.0	0.362166667	2.14379E-01	4.72200E-04	2.48124E-06
Orange	2028	OBUS	Aggregate	Aggregate	Gasoline	31513.71967	0.00092329	0.03637%	9.46	2.36	583.0	0.362166667	7.90604E-04	1.74142E-06	9.15051E-09
Orange	2028	OBUS	Aggregate	Aggregate	Diesel	36995.55648	0.028960464	0.04270%	11.10	2.78	583.0	0.362166667	2.91123E-02	6.41240E-05	3.36948E-07
Orange	2028	SBUS	Aggregate	Aggregate	Gasoline	31666.65086	0.001244818	0.03655%	9.50	2.38	583.0	0.362166667	1.07110E-03	2.35925E-06	1.23970E-08
Orange	2028	SBUS	Aggregate	Aggregate	Diesel	13991.01927	0.038983094	0.01615%	4.20	1.05	583.0	0.362166667	1.48200E-02	3.26431E-05	1.71527E-07
Orange	2028	UBUS	Aggregate	Aggregate	Gasoline	42546.43435	0.00114803	0.04911%	12.77	3.19	583.0	0.362166667	1.32720E-03	2.92336E-06	1.53612E-08
						86636423.47	-	100.00000%	26,000	6,500.00	-	-	4.53664E+00	9.99259E-03	5.25074E-05

Roadway Segments	OCTA Annual Trip Gen
I-405	202,000
SR 73	137,000
Bear St	26,000
Bristol St	44,000
Paularino Ave (E of Bristol)	16,000
Total	**425,000**

Vehicle Emissions for the Operational Health Risk Analysis—Bear Street Residential Project

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: Orange
Calendar Year: 2028
Season: Annual
Vehicle Classification: EMFAC2007 Categories

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	PM10 RUNEX (g/mi)	Fleet Percent	Bear St Trips	Segment Trips (Bear St Towards North)	Bear St Segment 2 Length (m)	Link Length (mi)	Ave Emissions Over Link (g/day)	Ave Emissions (lbs/day)	Average Emissions (g/sec)
Orange	2028	HHDT	Aggregate	Aggregate	Gasoline	541.7999038	0.001126311	0.00063%	0.16	0.04	587.7	0.365086364	1.67150E-05	3.68171E-08	1.93460E-10
Orange	2028	HHDT	Aggregate	Aggregate	Diesel	1319644.278	0.025058904	1.52320%	396.03	99.01	587.7	0.365086364	9.05790E-01	1.99513E-03	1.04837E-05
Orange	2028	LDA	Aggregate	Aggregate	Gasoline	41263326.11	0.001130905	47.62815%	12,383.32	3,095.83	587.7	0.365086364	1.27820E+00	2.81542E-03	1.47940E-05
Orange	2028	LDA	Aggregate	Aggregate	Diesel	64952.63275	0.008932221	0.07497%	19.49	4.87	587.7	0.365086364	1.58915E-02	3.50033E-05	1.83929E-07
Orange	2028	LDT1	Aggregate	Aggregate	Gasoline	3313373.272	0.001591026	3.82446%	994.36	248.59	587.7	0.365086364	1.44396E-01	3.18054E-04	1.67125E-06
Orange	2028	LDT1	Aggregate	Aggregate	Diesel	106.1649511	0.178237729	0.00012%	0.03	0.01	587.7	0.365086364	5.18310E-04	1.14165E-06	5.99895E-09
Orange	2028	LDT2	Aggregate	Aggregate	Gasoline	22230739.4	0.001178246	25.65981%	6,671.55	1,667.89	587.7	0.365086364	7.17461E-01	1.58031E-03	8.30395E-06
Orange	2028	LDT2	Aggregate	Aggregate	Diesel	89167.78654	0.004363735	0.10292%	26.76	6.69	587.7	0.365086364	1.06580E-02	2.34757E-05	1.23356E-07
Orange	2028	LHDT1	Aggregate	Aggregate	Gasoline	1631919.233	0.001076739	1.88364%	489.75	122.44	587.7	0.365086364	4.81302E-02	1.06014E-04	5.57062E-07
Orange	2028	LHDT1	Aggregate	Aggregate	Diesel	1007077.961	0.016342789	1.16242%	302.23	75.56	587.7	0.365086364	4.50814E-01	9.92983E-04	5.21776E-06
Orange	2028	LHDT2	Aggregate	Aggregate	Gasoline	240107.6	0.000964625	0.27714%	72.06	18.01	587.7	0.365086364	6.34414E-03	1.39739E-05	7.34276E-08
Orange	2028	LHDT2	Aggregate	Aggregate	Diesel	441951.9889	0.016276346	0.51012%	132.63	33.16	587.7	0.365086364	1.97034E-01	4.33995E-04	2.28048E-06
Orange	2028	MCY	Aggregate	Aggregate	Gasoline	337881.2058	0.002147659	0.39000%	101.40	25.35	587.7	0.365086364	1.98764E-02	4.37806E-05	2.30051E-07
Orange	2028	MDV	Aggregate	Aggregate	Gasoline	12804464.08	0.001196422	14.77954%	3,842.68	960.67	587.7	0.365086364	4.19618E-01	9.24269E-04	4.85669E-06
Orange	2028	MDV	Aggregate	Aggregate	Diesel	171182.0914	0.004952227	0.19759%	51.37	12.84	587.7	0.365086364	2.32203E-02	5.11460E-05	2.68753E-07
Orange	2028	MH	Aggregate	Aggregate	Gasoline	53472.45404	0.001039613	0.06172%	16.05	4.01	587.7	0.365086364	1.52269E-03	3.35393E-06	1.76237E-08
Orange	2028	MH	Aggregate	Aggregate	Diesel	29192.12881	0.077295702	0.03369%	8.76	2.19	587.7	0.365086364	6.18058E-02	1.36136E-04	7.15345E-07
Orange	2028	MHDT	Aggregate	Aggregate	Gasoline	324620.0907	0.000934082	0.37469%	97.42	24.36	587.7	0.365086364	8.30555E-03	1.82942E-05	9.61291E-08
Orange	2028	MHDT	Aggregate	Aggregate	Diesel	1155989.803	0.006825063	1.33430%	346.92	86.73	587.7	0.365086364	2.16107E-01	4.76007E-04	2.50124E-06
Orange	2028	OBUS	Aggregate	Aggregate	Gasoline	31513.71967	0.00092329	0.03637%	9.46	2.36	587.7	0.365086364	7.96978E-04	1.75546E-06	9.22428E-09
Orange	2028	OBUS	Aggregate	Aggregate	Diesel	36995.55648	0.028960464	0.04270%	11.10	2.78	587.7	0.365086364	2.93470E-02	6.46409E-05	3.39664E-07
Orange	2028	SBUS	Aggregate	Aggregate	Gasoline	31666.65086	0.001244818	0.03655%	9.50	2.38	587.7	0.365086364	1.07973E-03	2.37827E-06	1.24969E-08
Orange	2028	SBUS	Aggregate	Aggregate	Diesel	13991.01927	0.038983094	0.01615%	4.20	1.05	587.7	0.365086364	1.49394E-02	3.29062E-05	1.72910E-07
Orange	2028	UBUS	Aggregate	Aggregate	Gasoline	42546.43435	0.00114803	0.04911%	12.77	3.19	587.7	0.365086364	1.33790E-03	2.94692E-06	1.54850E-08
						86636423.47	-	100.00000%	26,000	6,500.00	-	-	4.57321E+00	1.00732E-02	5.29307E-05

Roadway Segments	OCTA Annual Trip Gen
I-405	202,000
SR 73	137,000
Bear St	26,000
Bristol St	44,000
Paularino Ave (E of Bristol)	16,000
Total	**425,000**

Vehicle Emissions for the Operational Health Risk Analysis—Bear Street Residential Project

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: Orange
Calendar Year: 2028
Season: Annual
Vehicle Classification: EMFAC2007 Categories

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	PM10 RUNEX (g/mi)	Fleet Percent	Bear St Trips	Segment Trips (Bear Street South Segment)	Bear St Segment 3 Length (m)	Link Length (mi)	Ave Emissions Over Link (g/day)	Ave Emissions (lbs/day)	Average Emissions (g/sec)
Orange	2028	HHDT	Aggregate	Aggregate	Gasoline	541.7999038	0.001126311	0.00063%	0.16	0.08	402.3	0.249913636	2.28839E-05	5.04051E-08	2.64860E-10
Orange	2028	HHDT	Aggregate	Aggregate	Diesel	1319644.278	0.025058904	1.52320%	396.03	198.02	402.3	0.249913636	1.24009E+00	2.73147E-03	1.43528E-05
Orange	2028	LDA	Aggregate	Aggregate	Gasoline	41263326.11	0.001130905	47.62815%	12,383.32	6,191.66	402.3	0.249913636	1.74994E+00	3.85449E-03	2.02539E-05
Orange	2028	LDA	Aggregate	Aggregate	Diesel	64952.63275	0.008932221	0.07497%	19.49	9.75	402.3	0.249913636	2.17565E-02	4.79218E-05	2.51811E-07
Orange	2028	LDT1	Aggregate	Aggregate	Gasoline	3313373.272	0.001591026	3.82446%	994.36	497.18	402.3	0.249913636	1.97688E-01	4.35436E-04	2.28806E-06
Orange	2028	LDT1	Aggregate	Aggregate	Diesel	106.1649511	0.178237729	0.00012%	0.03	0.02	402.3	0.249913636	7.09600E-04	1.56300E-06	8.21296E-09
Orange	2028	LDT2	Aggregate	Aggregate	Gasoline	22230739.4	0.001178246	25.65981%	6,671.55	3,335.77	402.3	0.249913636	9.82252E-01	2.16355E-03	1.13687E-05
Orange	2028	LDT2	Aggregate	Aggregate	Diesel	89167.78654	0.004363735	0.10292%	26.76	13.38	402.3	0.249913636	1.45915E-02	3.21398E-05	1.68883E-07
Orange	2028	LHDT1	Aggregate	Aggregate	Gasoline	1631919.233	0.001076739	1.88364%	489.75	244.87	402.3	0.249913636	6.58934E-02	1.45140E-04	7.62655E-07
Orange	2028	LHDT1	Aggregate	Aggregate	Diesel	1007077.961	0.016342789	1.16242%	302.23	151.11	402.3	0.249913636	6.17195E-01	1.35946E-03	7.14345E-06
Orange	2028	LHDT2	Aggregate	Aggregate	Gasoline	240107.6	0.000964625	0.27714%	72.06	36.03	402.3	0.249913636	8.68555E-03	1.91312E-05	1.00527E-07
Orange	2028	LHDT2	Aggregate	Aggregate	Diesel	441951.9889	0.016276346	0.51012%	132.63	66.32	402.3	0.249913636	2.69752E-01	5.94168E-04	3.12213E-06
Orange	2028	MCY	Aggregate	Aggregate	Gasoline	337881.2058	0.002147659	0.39000%	101.40	50.70	402.3	0.249913636	2.72121E-02	5.99386E-05	3.14955E-07
Orange	2028	MDV	Aggregate	Aggregate	Gasoline	12804464.08	0.001196422	14.77954%	3,842.68	1,921.34	402.3	0.249913636	5.74485E-01	1.26539E-03	6.64913E-06
Orange	2028	MDV	Aggregate	Aggregate	Diesel	171182.0914	0.004952227	0.19759%	51.37	25.69	402.3	0.249913636	3.17901E-02	7.00222E-05	3.67941E-07
Orange	2028	MH	Aggregate	Aggregate	Gasoline	53472.45404	0.001039613	0.06172%	16.05	8.02	402.3	0.249913636	2.08466E-03	4.59175E-06	2.41280E-08
Orange	2028	MH	Aggregate	Aggregate	Diesel	29192.12881	0.077295702	0.03369%	8.76	4.38	402.3	0.249913636	8.46163E-02	1.86379E-04	9.79355E-07
Orange	2028	MHDT	Aggregate	Aggregate	Gasoline	324620.0907	0.000934082	0.37469%	97.42	48.71	402.3	0.249913636	1.13709E-02	2.50459E-05	1.31607E-07
Orange	2028	MHDT	Aggregate	Aggregate	Diesel	1155989.803	0.006825063	1.33430%	346.92	173.46	402.3	0.249913636	2.95865E-01	6.51685E-04	3.42436E-06
Orange	2028	OBUS	Aggregate	Aggregate	Gasoline	31513.71967	0.00092329	0.03637%	9.46	4.73	402.3	0.249913636	1.09112E-03	2.40334E-06	1.26287E-08
Orange	2028	OBUS	Aggregate	Aggregate	Diesel	36995.55648	0.028960464	0.04270%	11.10	5.55	402.3	0.249913636	4.01780E-02	8.84977E-05	4.65023E-07
Orange	2028	SBUS	Aggregate	Aggregate	Gasoline	31666.65086	0.001244818	0.03655%	9.50	4.75	402.3	0.249913636	1.47823E-03	3.25600E-06	1.71091E-08
Orange	2028	SBUS	Aggregate	Aggregate	Diesel	13991.01927	0.038983094	0.01615%	4.20	2.10	402.3	0.249913636	2.04531E-02	4.50508E-05	2.36725E-07
Orange	2028	UBUS	Aggregate	Aggregate	Gasoline	42546.43435	0.00114803	0.04911%	12.77	6.38	402.3	0.249913636	1.83168E-03	4.03453E-06	2.12000E-08
						86636423.47	-	100.00000%	26,000.00	13,000	-	-	6.26103E+00	1.37908E-02	7.24656E-05

Roadway Segments	OCTA Annual Trip Gen
I-405	202,000
SR 73	137,000
Bear St	26,000
Bristol St	44,000
Paularino Ave (E of Bristol)	16,000
Total	**425,000**

Vehicle Emissions for the Operational Health Risk Analysis—Bear Street Residential Project

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: Orange
Calendar Year: 2028
Season: Annual
Vehicle Classification: EMFAC2007 Categories

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	PM10 RUNEX (g/mi)	Fleet Percent	Bristol St Trips	Bristol St Segment Length (m)	Link Length (mi)	Ave Emissions Over Link (g/day)	Ave Emissions (lbs/day)	Average Emissions (g/sec)
Orange	2028	HHDT	Aggregate	Aggregate	Gasoline	541.7999038	0.001126311	0.00063%	0.28	536.8	0.333466667	1.03348E-04	2.27639E-07	1.19616E-09
Orange	2028	HHDT	Aggregate	Aggregate	Diesel	1319644.278	0.025058904	1.52320%	670.21	536.8	0.333466667	5.60046E+00	1.23358E-02	6.48201E-05
Orange	2028	LDA	Aggregate	Aggregate	Gasoline	41263326.11	0.001130905	47.62815%	20,956.39	536.8	0.333466667	7.90305E+00	1.74076E-02	9.14705E-05
Orange	2028	LDA	Aggregate	Aggregate	Diesel	64952.63275	0.008932221	0.07497%	32.99	536.8	0.333466667	9.82564E-02	2.16424E-04	1.13723E-06
Orange	2028	LDT1	Aggregate	Aggregate	Gasoline	3313373.272	0.001591026	3.82446%	1,682.76	536.8	0.333466667	8.92796E-01	1.96651E-03	1.03333E-05
Orange	2028	LDT1	Aggregate	Aggregate	Diesel	106.1649511	0.178237729	0.00012%	0.05	536.8	0.333466667	3.20469E-03	7.05878E-06	3.70913E-08
Orange	2028	LDT2	Aggregate	Aggregate	Gasoline	22230739.4	0.001178246	25.65981%	11,290.32	536.8	0.333466667	4.43603E+00	9.77099E-03	5.13430E-05
Orange	2028	LDT2	Aggregate	Aggregate	Diesel	89167.78654	0.004363735	0.10292%	45.29	536.8	0.333466667	6.58978E-02	1.45149E-04	7.62706E-07
Orange	2028	LHDT1	Aggregate	Aggregate	Gasoline	1631919.233	0.001076739	1.88364%	828.80	536.8	0.333466667	2.97587E-01	6.55477E-04	3.44429E-06
Orange	2028	LHDT1	Aggregate	Aggregate	Diesel	1007077.961	0.016342789	1.16242%	511.46	536.8	0.333466667	2.78737E+00	6.13957E-03	3.22612E-05
Orange	2028	LHDT2	Aggregate	Aggregate	Gasoline	240107.6	0.000964625	0.27714%	121.94	536.8	0.333466667	3.92256E-02	8.63999E-05	4.53999E-07
Orange	2028	LHDT2	Aggregate	Aggregate	Diesel	441951.9889	0.016276346	0.51012%	224.45	536.8	0.333466667	1.21825E+00	2.68337E-03	1.41001E-05
Orange	2028	MCY	Aggregate	Aggregate	Gasoline	337881.2058	0.002147659	0.39000%	171.60	536.8	0.333466667	1.22895E-01	2.70694E-04	1.42240E-06
Orange	2028	MDV	Aggregate	Aggregate	Gasoline	12804464.08	0.001196422	14.77954%	6,503.00	536.8	0.333466667	2.59448E+00	5.71472E-03	3.00287E-05
Orange	2028	MDV	Aggregate	Aggregate	Diesel	171182.0914	0.004952227	0.19759%	86.94	536.8	0.333466667	1.43570E-01	3.16233E-04	1.66169E-06
Orange	2028	MH	Aggregate	Aggregate	Gasoline	53472.45404	0.001039613	0.06172%	27.16	536.8	0.333466667	9.41470E-03	2.07372E-05	1.08966E-07
Orange	2028	MH	Aggregate	Aggregate	Diesel	29192.12881	0.077295702	0.03369%	14.83	536.8	0.333466667	3.82143E-01	8.41724E-04	4.42295E-06
Orange	2028	MHDT	Aggregate	Aggregate	Gasoline	324620.0907	0.000934082	0.37469%	164.86	536.8	0.333466667	5.13529E-02	1.13112E-04	5.94362E-07
Orange	2028	MHDT	Aggregate	Aggregate	Diesel	1155989.803	0.006825063	1.33430%	587.09	536.8	0.333466667	1.33618E+00	2.94313E-03	1.54651E-05
Orange	2028	OBUS	Aggregate	Aggregate	Gasoline	31513.71967	0.00092329	0.03637%	16.00	536.8	0.333466667	4.92768E-03	1.08539E-05	5.70333E-08
Orange	2028	OBUS	Aggregate	Aggregate	Diesel	36995.55648	0.028960464	0.04270%	18.79	536.8	0.333466667	1.81451E-01	3.99672E-04	2.10013E-06
Orange	2028	SBUS	Aggregate	Aggregate	Gasoline	31666.65086	0.001244818	0.03655%	16.08	536.8	0.333466667	6.67594E-03	1.47047E-05	7.72679E-08
Orange	2028	SBUS	Aggregate	Aggregate	Diesel	13991.01927	0.038983094	0.01615%	7.11	536.8	0.333466667	9.23699E-02	2.03458E-04	1.06910E-06
Orange	2028	UBUS	Aggregate	Aggregate	Gasoline	42546.43435	0.00114803	0.04911%	21.61	536.8	0.333466667	8.27220E-03	1.82207E-05	9.57430E-08
						86636423.47	-	100.00000%	44,000.00	-	-	2.82760E+01	6.22819E-02	3.27268E-04

Roadway Segments	OCTA Annual Trip Gen
I-405	202,000
SR 73	137,000
Bear St	26,000
Bristol St	44,000
Paularino Ave (E of Bristol)	16,000
Total	**425,000**

Vehicle Emissions for the Operational Health Risk Analysis—Bear Street Residential Project

Source: EMFAC2021 (v1.0.2) Emission Rates
Region Type: County
Region: Orange
Calendar Year: 2028
Season: Annual
Vehicle Classification: EMFAC2007 Categories

Region	Calendar Year	Vehicle Category	Model Year	Speed	Fuel	VMT	PM10 RUNEX (g/mi)	Fleet Percent	Paularino Ave Trips	Paularino Ave Segment Length (m)	Link Length (mi)	Ave Emissions Over Link (g/day)	Ave Emissions (lbs/day)	Average Emissions (g/sec)
Orange	2028	HHDT	Aggregate	Aggregate	Gasoline	541.7999038	0.001126311	0.00063%	0.10	629.4	0.390990909	4.40640E-05	9.70572E-08	5.09999E-10
Orange	2028	HHDT	Aggregate	Aggregate	Diesel	1319644.278	0.025058904	1.52320%	243.71	629.4	0.390990909	2.38784E+00	5.25956E-03	2.76370E-05
Orange	2028	LDA	Aggregate	Aggregate	Gasoline	41263326.11	0.001130905	47.62815%	7,620.50	629.4	0.390990909	3.36958E+00	7.42199E-03	3.89998E-05
Orange	2028	LDA	Aggregate	Aggregate	Diesel	64952.63275	0.008932221	0.07497%	12.00	629.4	0.390990909	4.18931E-02	9.22755E-05	4.84874E-07
Orange	2028	LDT1	Aggregate	Aggregate	Gasoline	3313373.272	0.001591026	3.82446%	611.91	629.4	0.390990909	3.80657E-01	8.38452E-04	4.40575E-06
Orange	2028	LDT1	Aggregate	Aggregate	Diesel	106.1649511	0.178237729	0.00012%	0.02	629.4	0.390990909	1.36637E-03	3.00962E-06	1.58144E-08
Orange	2028	LDT2	Aggregate	Aggregate	Gasoline	22230739.4	0.001178246	25.65981%	4,105.57	629.4	0.390990909	1.89137E+00	4.16601E-03	2.18908E-05
Orange	2028	LDT2	Aggregate	Aggregate	Diesel	89167.78654	0.004363735	0.10292%	16.47	629.4	0.390990909	2.80965E-02	6.18866E-05	3.25191E-07
Orange	2028	LHDT1	Aggregate	Aggregate	Gasoline	1631919.233	0.001076739	1.88364%	301.38	629.4	0.390990909	1.26881E-01	2.79473E-04	1.46853E-06
Orange	2028	LHDT1	Aggregate	Aggregate	Diesel	1007077.961	0.016342789	1.16242%	185.99	629.4	0.390990909	1.18843E+00	2.61770E-03	1.37550E-05
Orange	2028	LHDT2	Aggregate	Aggregate	Gasoline	240107.6	0.000964625	0.27714%	44.34	629.4	0.390990909	1.67244E-02	3.68379E-05	1.93569E-07
Orange	2028	LHDT2	Aggregate	Aggregate	Diesel	441951.9889	0.016276346	0.51012%	81.62	629.4	0.390990909	5.19419E-01	1.14410E-03	6.01180E-06
Orange	2028	MCY	Aggregate	Aggregate	Gasoline	337881.2058	0.002147659	0.39000%	62.40	629.4	0.390990909	5.23981E-02	1.15414E-04	6.06460E-07
Orange	2028	MDV	Aggregate	Aggregate	Gasoline	12804464.08	0.001196422	14.77954%	2,364.73	629.4	0.390990909	1.10620E+00	2.43656E-03	1.28032E-05
Orange	2028	MDV	Aggregate	Aggregate	Diesel	171182.0914	0.004952227	0.19759%	31.61	629.4	0.390990909	6.12132E-02	1.34831E-04	7.08486E-07
Orange	2028	MH	Aggregate	Aggregate	Gasoline	53472.45404	0.001039613	0.06172%	9.88	629.4	0.390990909	4.01410E-03	8.84162E-06	4.64595E-08
Orange	2028	MH	Aggregate	Aggregate	Diesel	29192.12881	0.077295702	0.03369%	5.39	629.4	0.390990909	1.62932E-01	3.58882E-04	1.88579E-06
Orange	2028	MHDT	Aggregate	Aggregate	Gasoline	324620.0907	0.000934082	0.37469%	59.95	629.4	0.390990909	2.18951E-02	4.82270E-05	2.53415E-07
Orange	2028	MHDT	Aggregate	Aggregate	Diesel	1155989.803	0.006825063	1.33430%	213.49	629.4	0.390990909	5.69701E-01	1.25485E-03	6.59376E-06
Orange	2028	OBUS	Aggregate	Aggregate	Gasoline	31513.71967	0.00092329	0.03637%	5.82	629.4	0.390990909	2.10099E-03	4.62773E-06	2.43170E-08
Orange	2028	OBUS	Aggregate	Aggregate	Diesel	36995.55648	0.028960464	0.04270%	6.83	629.4	0.390990909	7.73644E-02	1.70406E-04	8.95421E-07
Orange	2028	SBUS	Aggregate	Aggregate	Gasoline	31666.65086	0.001244818	0.03655%	5.85	629.4	0.390990909	2.84639E-03	6.26958E-06	3.29443E-08
Orange	2028	SBUS	Aggregate	Aggregate	Diesel	13991.01927	0.038983094	0.01615%	2.58	629.4	0.390990909	3.93833E-02	8.67473E-05	4.55825E-07
Orange	2028	UBUS	Aggregate	Aggregate	Gasoline	42546.43435	0.00114803	0.04911%	7.86	629.4	0.390990909	3.52697E-03	7.76867E-06	4.08215E-08
						86636423.47	-	100.00000%	16,000.00	-	-	1.20559E+01	2.65548E-02	1.39536E-04

Roadway Segments	OCTA Annual Trip Gen
I-405	202,000
SR 73	137,000
Bear St	26,000
Bristol St	44,000
Paularino Ave (E of Bristol)	16,000
Total	**425,000**

Roadway Links for the Operational Health Risk Analysis—Bear Street Residential Project

Source ID	Road	Length (m)
SLINE1	Bear St From North	583.0
SLINE2	Bear St Towards North	587.7
SLINE3	Bear Street South Segment	402.3
SLINE4	Paularino Ave Segment	629.4
SLINE5	I-405	1146.1
SLINE6	SR 73	964.6
SLINE7	Bristol St	536.8

Vehicle Emissions for the Operational Health Risk Analysis—Bear Street Residential Project
Summary of DPM Emissions in Pounds

Travel Emissions

Segment	Source ID	Source #	Source Group	Emissions (g/day)	Emissions (lb/day)	Emissions (lb/year)	Max Emissions in an Hour (lbs/hr)
Bear St From North	Rd1	SLINE1	Rd1	4.536637783	0.009992594	3.647296896	0.000999259
Bear St Towards North	Rd2	SLINE2	Rd2	4.573211021	0.010073152	3.676700491	0.001007315
Bear Street South Segment	Rd3	SLINE3	Rd3	6.261027034	0.013790808	5.033645082	0.001379081
Paularino Ave Segment	Rd4	SLINE4	Rd4	12.05587997	0.026554802	9.692502617	0.00265548
I-405	Rd5	SLINE5	Rd5	277.1571431	0.610478289	222.8245754	0.061047829
SR 73	Rd6	SLINE6	Rd6	159.1799967	0.350616733	127.9751075	0.035061673
Bristol St	Rd7	SLINE7	Rd7	28.27596124	0.062281853	22.73287633	0.006228185
			Subtotal On-site Travel	**492.0398569**	**1.083788231**	**395.5827043**	

Notes: Divided pounds per day by 10 hours to estimate maximum pounds in an hour.

Health Risk Summary at Future Project Site Receptors (Summary of HARP2 Results - Operational DPM)

Bear Street Residential Project DPM from Vehicle Emissions at the Project Site - Starting in the Third Trimester

	RISK_SUM	Cancer Risk/million	MAXHI NonCancer Chronic	MAXHI Acute
Maximum Risk (No Filtration)	5.5719E-05	55.72	1.288E-02	0.00E+00
Maximum Risk with MERV 13 Filtration	8.3579E-06	8.36	1.932E-03	0.000E+00

	X	Y
MER UTM	417350.49	3727791.66
Latitude/Longitude	33°41'12.7"N	117°53'30.2"W
On-site Receptor # 55		

*HARP - HRACalc v22118 4/17/2025 5:50:31 AM - Cancer Risk - Input File: F:\4940.0060 Costa Mesa Bear\Op HRA\HARP\BEAR ST OP HRA\hra\Op HRAHRAInput.hra
*HARP - HRACalc v22118 4/17/2025 5:50:31 AM - Chronic Risk - Input File: F:\4940.0060 Costa Mesa Bear\Op HRA\HARP\BEAR ST OP HRA\hra\Op HRAHRAInput.hra
*HARP - HRACalc v22118 4/17/2025 5:50:31 AM - Acute Risk - Input File: F:\4940.0060 Costa Mesa Bear\Op HRA\HARP\BEAR ST OP HRA\hra\Op HRAHRAInput.hra

REC	GRP	X	Y	RISK_SUM	SCENARIO	MAXHI NonCancerChronic	MAXHI Acute
1	ALL	417350.49	3727640.19	2.9891E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	6.90990E-03	0.00E+00
2	ALL	417371.06	3727640.19	2.6296E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	6.07870E-03	0.00E+00
3	ALL	417391.63	3727640.19	2.4526E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	5.66950E-03	0.00E+00
4	ALL	417412.20	3727640.19	2.3344E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	5.39640E-03	0.00E+00
5	ALL	417432.77	3727640.19	2.2436E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	5.18640E-03	0.00E+00
6	ALL	417453.34	3727640.19	2.1723E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	5.02160E-03	0.00E+00
7	ALL	417350.49	3727657.02	3.0420E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	7.03200E-03	0.00E+00
8	ALL	417371.06	3727657.02	2.7229E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	6.29440E-03	0.00E+00
9	ALL	417391.63	3727657.02	2.5604E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	5.91870E-03	0.00E+00
10	ALL	417412.20	3727657.02	2.4476E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	5.65810E-03	0.00E+00
11	ALL	417432.77	3727657.02	2.3581E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	5.45110E-03	0.00E+00
12	ALL	417453.34	3727657.02	2.2884E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	5.29000E-03	0.00E+00
13	ALL	417350.49	3727673.85	3.1325E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	7.24130E-03	0.00E+00
14	ALL	417371.06	3727673.85	2.8408E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	6.56700E-03	0.00E+00
15	ALL	417391.63	3727673.85	2.6893E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	6.21670E-03	0.00E+00
16	ALL	417412.20	3727673.85	2.5822E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	5.96910E-03	0.00E+00
17	ALL	417432.77	3727673.85	2.4939E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	5.76520E-03	0.00E+00
18	ALL	417453.34	3727673.85	2.4261E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	5.60840E-03	0.00E+00
19	ALL	417350.49	3727690.68	3.2489E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	7.51040E-03	0.00E+00
20	ALL	417371.06	3727690.68	2.9946E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	6.92260E-03	0.00E+00
21	ALL	417391.63	3727690.68	2.8477E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	6.58290E-03	0.00E+00
22	ALL	417412.20	3727690.68	2.7413E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	6.33690E-03	0.00E+00
23	ALL	417432.77	3727690.68	2.6585E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	6.14550E-03	0.00E+00
24	ALL	417453.34	3727690.68	2.5927E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	5.99340E-03	0.00E+00
25	ALL	417350.49	3727707.51	3.4042E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	7.86930E-03	0.00E+00
26	ALL	417371.06	3727707.51	3.1866E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	7.36630E-03	0.00E+00
27	ALL	417391.63	3727707.51	3.0453E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	7.03970E-03	0.00E+00
28	ALL	417412.20	3727707.51	2.9416E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	6.79990E-03	0.00E+00
29	ALL	417432.77	3727707.51	2.8618E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	6.61550E-03	0.00E+00
30	ALL	417453.34	3727707.51	2.7981E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	6.46820E-03	0.00E+00
31	ALL	417350.49	3727724.34	3.6139E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	8.35420E-03	0.00E+00
32	ALL	417371.06	3727724.34	3.4261E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	7.92000E-03	0.00E+00
33	ALL	417391.63	3727724.34	3.2945E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	7.61570E-03	0.00E+00
34	ALL	417412.20	3727724.34	3.1965E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	7.38930E-03	0.00E+00
35	ALL	417432.77	3727724.34	3.1149E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	7.20070E-03	0.00E+00
36	ALL	417453.34	3727724.34	3.0509E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	7.05260E-03	0.00E+00
37	ALL	417350.49	3727741.17	3.9004E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	9.01630E-03	0.00E+00
38	ALL	417371.06	3727741.17	3.7336E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	8.63080E-03	0.00E+00
39	ALL	417391.63	3727741.17	3.6109E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	8.34720E-03	0.00E+00
40	ALL	417412.20	3727741.17	3.5180E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	8.13240E-03	0.00E+00
41	ALL	417432.77	3727741.17	3.4418E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	7.95620E-03	0.00E+00
42	ALL	417453.34	3727741.17	3.3763E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	7.80490E-03	0.00E+00
43	ALL	417350.49	3727758.00	4.2832E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	9.90120E-03	0.00E+00
44	ALL	417371.06	3727758.00	4.1326E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	9.55320E-03	0.00E+00
45	ALL	417391.63	3727758.00	4.0250E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	9.30440E-03	0.00E+00
46	ALL	417412.20	3727758.00	3.9406E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	9.10930E-03	0.00E+00
47	ALL	417432.77	3727758.00	3.8724E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	8.95160E-03	0.00E+00
48	ALL	417453.34	3727758.00	3.8052E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	8.79640E-03	0.00E+00
49	ALL	417350.49	3727774.83	4.8070E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	1.11120E-02	0.00E+00
50	ALL	417371.06	3727774.83	4.6804E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	1.08200E-02	0.00E+00
51	ALL	417391.63	3727774.83	4.5919E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	1.06150E-02	0.00E+00
52	ALL	417412.20	3727774.83	4.5203E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	1.04500E-02	0.00E+00
53	ALL	417432.77	3727774.83	4.4604E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	1.03110E-02	0.00E+00
54	ALL	417453.34	3727774.83	4.3941E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	1.01580E-02	0.00E+00
55	ALL	417350.49	3727791.66	5.5719E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	1.28800E-02	0.00E+00
56	ALL	417371.06	3727791.66	5.4533E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	1.26060E-02	0.00E+00
57	ALL	417391.63	3727791.66	5.3889E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	1.24570E-02	0.00E+00
58	ALL	417412.20	3727791.66	5.3293E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	1.23200E-02	0.00E+00
59	ALL	417432.77	3727791.66	5.2844E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	1.22160E-02	0.00E+00
60	ALL	417453.34	3727791.66	5.2394E-05	30YrCancerDerived_InhSoilDermMMilkCrops_FAH16to70	1.21120E-02	0.00E+00

HARP2 - HRACalc (dated 22118) 4/17/2025 5:50:31 AM - Output Log

GLCs loaded successfully
Pollutants loaded successfully
Pathway receptors loaded successfully
****
RISK SCENARIO SETTINGS

Receptor Type: Resident
Scenario: All
Calculation Method: Derived

****
EXPOSURE DURATION PARAMETERS FOR CANCER

Start Age: -0.25
Total Exposure Duration: 30

Exposure Duration Bin Distribution
3rd Trimester Bin: 0.25
0<2 Years Bin: 2
2<9 Years Bin: 0
2<16 Years Bin: 14
16<30 Years Bin: 14
16 to 70 Years Bin: 0

****
PATHWAYS ENABLED

NOTE: Inhalation is always enabled and used for all assessments. The remaining pathways are only used for cancer and noncancer chronic assessments.

Inhalation: True
Soil: True
Dermal: True
Mother's milk: True
Water: False
Fish: False
Homegrown crops: True

Beef: False
Dairy: False
Pig: False
Chicken: False
Egg: False

****
INHALATION

Daily breathing rate: LongTerm24HR

Worker Adjustment Factors
Worker adjustment factors enabled: NO

Fraction at time at home
3rd Trimester to 16 years: OFF
16 years to 70 years: ON

****
SOIL & DERMAL PATHWAY SETTINGS

Deposition rate (m/s): 0.02
Soil mixing depth (m): 0.01
Dermal climate: Mixed

****
HOMEGROWN CROP PATHWAY SETTINGS

Household type: HouseholdsthatGarden
Fraction leafy: 0.137
Fraction exposed: 0.137
Fraction protected: 0.137
Fraction root: 0.137

****
TIER 2 SETTINGS
Tier2 not used.

****

```
Calculating cancer risk
Cancer risk breakdown by pollutant and receptor saved to: F:\4940.0060 Costa Mesa Bear\Op HRA\HARP\BEAR ST
OP HRA\hra\Op HRACancerRisk.csv
Cancer risk total by receptor saved to: F:\4940.0060 Costa Mesa Bear\Op HRA\HARP\BEAR ST OP HRA\hra\Op
HRACancerRiskSumByRec.csv
Calculating chronic risk
Chronic risk breakdown by pollutant and receptor saved to: F:\4940.0060 Costa Mesa Bear\Op HRA\HARP\BEAR ST
OP HRA\hra\Op HRANCChronicRisk.csv
Chronic risk total by receptor saved to: F:\4940.0060 Costa Mesa Bear\Op HRA\HARP\BEAR ST OP HRA\hra\Op
HRANCChronicRiskSumByRec.csv
Calculating acute risk
Acute risk breakdown by pollutant and receptor saved to: F:\4940.0060 Costa Mesa Bear\Op HRA\HARP\BEAR ST OP
HRA\hra\Op HRANCAcuteRisk.csv
Acute risk total by receptor saved to: F:\4940.0060 Costa Mesa Bear\Op HRA\HARP\BEAR ST OP HRA\hra\Op
HRANCAcuteRiskSumByRec.csv
HRA ran successfully
```

Roadway Volumes

Road	OCTA Annual Trip Generation
I-405	202,000
SR 73	137,000
Bear St	26,000
Bristol St	44,000
Baker St	24,000
Paularino Ave (E of Br	16,000
Total	**449,000**

OCTA 2023 Trip Volume Map (Costa Mesa Zoom-In):



California Air Resources Board (ARB). 2023. Fleet Database, Orange County. Website: https://arb.ca.gov/emfac/fleet-db/342d4717d6a5723bd5bb11e82376e6fe63d03ba3. Accessed April 15, 2025.

Orange County Transportation Authority (OCTA). 2023. 2023 Traffic Flow Map. August.

South Coast Air Quality Management District (SCAQMD). 2025. South Coast AQMD Facilities. Website: https://www.aqmd.gov/nav/find/facility-information-detail. Accessed April 15, 2025.

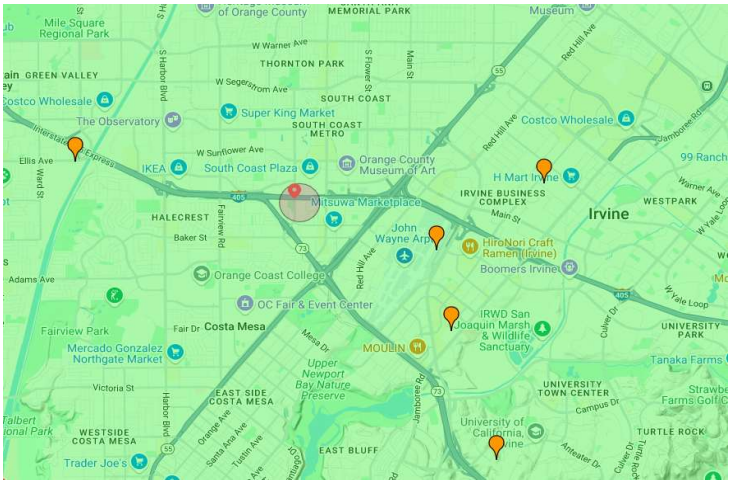
Orange County Permitted Facility List

Facility	VOC (ton)	PM2.5 (ton)	PM10 (ton)
AES Huntington Beach, LLC	37.2	54.4	54.5
All American Asphalt - Irvine	8.2	2.9	3.4
Bowerman Power LFG, LLC	7.4	4.2	4.2
Braun Medical Inc	32.9	4.2	4.6
Brea Generation, LLC	6.4	16.8	17.1
Bridge Energy, LLC	0	0	0
California State University, Fullerton	1.3	1.5	2
Canyon Power Project (CPP)	0.9	1.3	1.4
Disneyland Resort	1.7	6.4	9
Hoag Memorial Hospital Presbyterian	0.7	1.4	1.8
John Wayne Airport Orange County	2	1.2	1.2
Kimberly Clark Worldwide Inc.	0	0	0
MM Prima Deshecha Energy LLC	7	1.9	1.9
Maruchan, Inc. - Laguna Canyon	6.2	3.4	3.4
Newport Fab, LLC (DBA TowerJazz Semiconductor)	1.2	1.9	2.6
Nor-Cal Beverage Company, Inc. - Anaheim	0.6	0.8	0.8
Orange County Central Utility Facility	0.7	1	1
Orange County Sanitation District - Plant 1	15.8	1	1.1
Orange County Sanitation District - Plant 2	8.9	2.9	2.9
Orange Plant - R.J. Noble	2.2	10.2	20.1
Southern California Edison (SCE) - Barre Peaker	0.4	1.5	1.5
Stanton Energy Reliability Center	0	0	0
University of California, Irvine	1	5	6.9

Unit: Greenhouse Gases - metric tons (1000 kg); Criteria Pollutants - tons (2000 lbs); Toxic Pollutants - pounds (lbs)
YEAR: 2021
Location: Orange County

Map with 1,000-foot Buffer from Project Site

(No permitted sources within 1,000 feet)



Source: South Coast Air Quality Management District (SCAQMD). 2025. South Coast AQMD Facilities. Website: https://www.aqmd.gov/nav/find/facility-information-detail. Accessed April 15, 2025.

Costa Mesa Bear Street Residential - Construction (Tier 4 Controlled Scenario) and Operations
Energy Calculations - Operations Fuel Use from Mobile Sources

County/Region	Orange
Const Year	2025

Gasoline	55,874
Diesel	45,750
Total (combined)	101,624
VMT all vehicle types	1,795,242

	HHDT	LDA	LDT1	LDT2	MHDT	gal/mi	mi/gal	VMT	gal
Worker (LDA/LDT)	0%	25%	50%	25%	0%	0.04	26.57	1,484,600	55874
Vendor (HHDT/MHDT)	50%	0%	0%	0%	50%	0.14	7.24	204,622	28267
Haul (HHDT)	100%	0%	0%	0%	0%	0.16	6.06	106,020	17483

County Specific Fuel Consumption (gal/mi)

Fuel	HHDT	LDA	LDT1	LDT2	MHDT
Gasoline	0.232	0.033	0.039	0.040	0.192
Diesel	0.165	0.023	0.042	0.031	0.111

Total VMT Fraction by Fuel and Vehicle Category

Fuel	HHDT	LDA	LDT1	LDT2	MHDT
Gasoline		100%	100%	100%	0%
Diesel	100%				100%

Costa Mesa Bear Street Residential - Construction (Tier 4 Controlled Scenario) and Operations
Energy Calculations - Operations Fuel Use from Building Energy
CalEEMod Summary (Section 5.11.1 - Unmitigated)

Land Use	Electricity (kWh/yr)
Single Family Housing	232,323
Apartments Mid Rise	717,828
Parking Lot	46,935
Recreational Swimming Pool	0
Other Non-Asphalt Surfaces	0
Total	**997,086**

Costa Mesa Bear Street Residential - Construction (Tier 4 Controlled Scenario) and Operations
Energy Calculations - Operations Fuel Use from Mobile Sources

Region	**Orange**
Operational Year	**2028**

Fuel Consumption by Vehicle Category - Annual Usage (gallons ; kWh-hr for Electricity)

Units	All vehicles	HHDT	LDA	LDT1	LDT2	LHD1	LHD2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Gasoline	**89,442**	1	36813	3896	23467	3041	558	1415	17309	1238	1430	163	88	22
Diesel	**8,595**	2165	55	0	72	1289	674		198	337	3622	78	104	
Natural Gas	**778**	280									43	12	223	221
Electricity	**51,322**	738	40427	239	3295	1383	361		3427		1356	29	64	4

EMFAC Default Mix- County Population	ALL	HHDT	LDA	LDT1	LDT2	LHDT1	LHDT2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Orange County Population	**2381796.426**	13,983	1,172,764	93,667	566,838	66,869	17,711	53,243	346,605	8,363	37,187	1,424	2,299	843
Vehicle Mix Default	**1**	0.6%	49.2%	3.9%	23.8%	2.8%	0.7%	2.2%	14.6%	0.4%	1.6%	0.1%	0.1%	0.0%

Vehicle Types /Mix in CalEEMod	VMT	HHDT	LDA	LDT1	LDT2	LHDT1	LHDT2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Single Family Housing	568129	1	1	1	1	1	1	1	1	1	1	1	1	1
Apartments Mid Rise	2127364	1	1	1	1	1	1	1	1	1	1	1	1	1
Parking Lot	0	1	1	1	1	1	1	1	1	1	1	1	1	1

Vehicle Percentages Modeled	VMT	HHDT	LDA	LDT1	LDT2	LHDT1	LHDT2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Single Family Housing	568129	0.6%	49.2%	3.9%	23.8%	2.8%	0.7%	2.2%	14.6%	0.4%	1.6%	0.1%	0.1%	0.0%
Apartments Mid Rise	2127364	0.6%	49.2%	3.9%	23.8%	2.8%	0.7%	2.2%	14.6%	0.4%	1.6%	0.1%	0.1%	0.0%

Single Family Housing **Fuel Consumption by Vehicle Category**

Fuel Consumption for CVMT	Units	HHDT	LDA	LDT1	LDT2	LHD1	LHD2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Gasoline	**gal**	0	7612	820	4920	641	118	298	3631	261	301	34	19	5
Diesel	**gal**	456	12	0	15	272	142		42	71	763	17	22	
Natural Gas	**gal**	59									9	3	47	47
Plug-in Hybrid (Gasoline)	**gal**		147	1	26				17					
Fuel Consumption for EVMT	**Units**	**HHDT**	**LDA**	**LDT1**	**LDT2**	**LHD1**	**LHD2**	**MCY**	**MDV**	**MH**	**MHDT**	**OBUS**	**SBUS**	**UBUS**
Electricity	**kwhr**	155	8521	50	695	292	76		722		286	6	13	1
Plug-in Hybrid (Electricity)	**kwhr**		1537	18	297				187					

Apartments Mid Rise **Fuel Consumption by Vehicle Category**

Fuel Consumption for CVMT	Units	HHDT	LDA	LDT1	LDT2	LHD1	LHD2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Gasoline	**gal**	1	28502	3069	18422	2400	440	1116	13597	977	1128	129	69	18
Diesel	**gal**	1709	43	0	57	1018	532		156	266	2858	62	82	
Natural Gas	**gal**	221									34	9	176	174
Electricity	**gal**													
Plug-in Hybrid (Gasoline)	**gal**		552	6	99				64					
Fuel Consumption for EVMT	**Units**	**HHDT**	**LDA**	**LDT1**	**LDT2**	**LHD1**	**LHD2**	**MCY**	**MDV**	**MH**	**MHDT**	**OBUS**	**SBUS**	**UBUS**
Electricity	**kwhr**	582	31906	188	2601	1092	285		2705		1070	23	50	4
Plug-in Hybrid (Electricity)	**kwhr**		5756	68	1113				702					

County and Year Specific - Fuel Efficiency

Fuel Consumption Factors	Units	HHDT	LDA	LDT1	LDT2	LHDT1	LHDT2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Gasoline	gal/mi	0.219	0.031	0.037	0.038	0.066	0.076	0.023	0.046	0.205	0.189	0.184	0.111	0.077
Diesel	gal/mi	0.158	0.022	0.038	0.029	0.047	0.056	-	0.039	0.099	0.110	0.134	0.133	-
Natural Gas	gal/mi	0.160	-	-	-	-	-	-	-	-	0.117	0.107	0.229	0.334
Plug-in Hybrid	gal/mi	-	0.035	0.035	0.035	-	-	-	0.036	-	-	-	-	-
Fuel Consumption Factors	Units	HHDT	LDA	LDT1	LDT2	LHDT1	LHDT2	MCY	MDV	MH	MHDT	OBUS	SBUS	UBUS
Electricity	kwhr/mi	1.811	0.386	0.386	0.386	0.563	0.563	-	0.386	-	1.050	1.042	1.156	2.127
Plug-in Hybrid	kwhr/mi	-	0.302	0.302	0.302	-	-	-	0.302	-	-	-	-	-

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