Rio Vista 84 Well Development Project -YSAQMD
CRITERIA POLLUTANTS & GREENHOUSE GAS EMISSIONS
TABLE 1: OPERATION EMISSIONS SUMMARY

Source	Peak Day Emissions (lbs/day)									Annual Emissions (tons/year)									$MTCO_2E$
	NO_x	ROG	PM_{10}	$PM_{2.5}$	CO	SO_2	N_2O	CH_4	CO_2	NO_x	ROG	PM_{10}	$PM_{2.5}$	CO	SO_2	N_2O	CH_4	CO_2	
Operations	66.4	7.28	9.00	6.95	60.0	0.340	0.165	52.1	64,234	10.2	1.23	1.01	0.781	8.82	0.058	0.023	9.39	11,289	10,460
Maximum Daily Emissions	**66.4**	**7.28**	**9.00**	**6.95**	**60.0**	**0.340**	**0.165**	**52.1**	**64,234**	--	--	--	--	--	--	--	--	--	--
Total Annual Emissions	--	--	--	--	--	--	--	--	--	***10.2***	***1.23***	***1.01***	***0.781***	***8.82***	***0.058***	***0.023***	***9.39***	***11,289***	***10,460***
SMAQMD Significance Thresholds	--	--	--	--	--	--	--	--	--	***10.0***	***10.0***	--	--	--	--	--	--	--	--
Threshold exceeded?	--	--	--	--	--	--	--	--	--	***Yes***	***No***	--	--	--	--	--	--	--	--
																GHG - $MTCO_2E$ conversions			***298***	***25***	***1***	--
																Total $MTCO_2E$ per year			***10,460***			

Notes:

- EPA Emission Factors for Greenhouse Gas Inventories (298 for N_2O, 25 for CH_4, and 1 for CO_2, Table 10a - https://www.epa.gov/sites/production/files/2018-03/documents/emission-factors_mar_2018_0.pdf
- Estimated total organic compound emissions are included with ROGs to be conservative. Total organic carbon emissions may include non-VOC's such as methane, ethane and other compounds (EPA, 1995).

YSAQMD - Yolo Solano Air Quality Management District
NO_x - Oxides of Nitrogen
ROG - Reactive Organic Gases
$PM_{2.5}$ - Particulate Matter 2.5 Microns or Less
PM_{10} - Particulate Matter 10 Microns or Less
DPM - Diesel Particulate Matter
CO - Carbon Monoxide
SO_2 - Sulfur Dioxide
N_2O - Nitrous Oxide
CH_4 - Methane
CO_2 - Carbon Dioxide
$MTCO_2E$ - Metric Tons of Carbon Dioxide Equivalent

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