Rio Vista 84 Well Development Project - BAAQMD
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	40.9	5.88	7.06	5.02	38.6	0.186	0.090	49.5	33,733	4.92	0.942	0.445	0.376	4.21	0.028	0.011	8.86	5,606	5,290
Maximum Daily Emissions	**40.9**	**5.88**	**7.06**	**5.02**	**38.6**	**0.186**	**0.090**	**49.5**	**33,733**	--	--	--	--	--	--	--	--	--	--
Total Annual Emissions	--	--	--	--	--	--	--	--	--	***4.92***	***0.942***	***0.445***	***0.376***	***4.21***	***0.028***	***0.011***	***8.86***	***5,606***	***5,290***
SMAQMD Significance Thresholds	**54.0**	**51.0**	**82.0**	**54.0**	--	--	--	--	--	***10.0***	***10.0***	***15.0***	***10.0***	--	--	--	--	--	--
Threshold exceeded?	***No***	***No***	***No***	***No***	--	--	--	--	--	***No***	***No***	***No***	***No***	--	--	--	--	--	--
																GHG - $MTCO_2E$ conversions		***298***	***25***	***1***	--
																Total $MTCO_2E$ per year		***5,290***			

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).

BAAQMD - Bay Area 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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