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This table lists the maximum allowable emission rates and all sources of air contaminants on the applicant's property covered by this permit. The emission rates shown are those derived from information submitted as part of the application for permit and are the maximum rates allowed for these facilities. Any proposed increase in emission rates may require an application for a modification of the facilities covered by this permit.

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission F lb/hr	Rates *
<u>TPY</u>				
100ABLDG1	Butanol Unit Building 1 Vent Analyzer	VOC	0.27	1.20
100A9379	Butanol Unit V713/714 Outlet Vent Analyzer	VOC	0.04	0.17
100A9380	Butanol Unit V713/714 Outlet Vent Analyzer	VOC	0.04	0.17
100F	Fugitives (4)	VOC	7.91	34.65
100V23	Tank 23	VOC	0.04	<0.01
100V30	Tank 30	VOC	5.55	0.65
100V34	Tank 34	VOC	5.55	0.65
100V35	Tank 35	VOC	5.55	0.65
100V917	Tank 917	VOC	0.01	<0.01
251AV37	Tank 37	VOC	0.25	0.45
251AV119	Tank 119	VOC	0.28	0.012

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AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)lb/hr	Emission TPY	Rates *
251AV866	Tank 866	VOC	0.30	0.79
251AV994	Tank 994	VOC	0.11	0.22
251AV995	Tank 995	VOC	0.11	0.22
251DM1205	Shipping Flare (5) (6)	VOC NO _x SO ₂ CO	44.43 2.28 <0.10 19.60	
251DM2224	Barge Incinerator (6)	VOC NO_{x} SO_{2} CO PM	0.82 5.00 <0.01 0.40 <0.01	0.88
251DBL	Barge Area	VOC	<0.01	<0.01
251DTC	Railcar Area	VOC	0.32	0.01
251DTCF	RR Area Fugitives (4)	VOC	0.52	1.20
251DTL	Truck Area	VOC	0.32	0.01
301M150	Cooling Tower (4)	VOC	0.10	0.43
303M1239	Ethylene Flare (7)	VOC NO_{x} SO_{2} CO	0.47 0.03 <0.01 0.17	1.98 0.14 <0.01 0.76

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)1b/hr	Emission Rates * TPY
304M24	Reformer	VOC NO _x SO ₂ CO PM	0.17 0.73 16.74 73.33 0.072 0.31 4.78 20.95 0.60 2.62
304M375	Reformer	VOC NO_x SO_2 CO PM	0.29 1.26 28.75 125.94 0.12 0.54 8.22 35.98 1.03 4.50
304M490	Reformer	VOC NO_x SO_2 CO PM	0.60 2.65 60.50 264.98 0.26 1.14 17.28 75.71 2.16 9.46
304V206	Tank 206	MEA	<0.01 <0.01
AREA 7	API Separators (8)	VOC	3.36 14.70
AREA 7	Wastewater Treatment Plant (9)	VOC	1.13 1.59
308M2309	Sludge Dryer (9)	VOC NO_x SO_2 CO PM	0.04 0.04 1.77 2.25 0.01 0.01 0.44 0.56 0.17 0.22

(1)	Emission point identification - either specific equipment designation or emission point number from plot
	plan.
(2)	Specific point source name. For fugitive sources use area name
	or fugitive source name.
(3)	VOC - volatile organic compounds as defined in General Rule
101.1	
NO_x	- total oxides of nitrogen
SO ₂	- sulfur dioxide
	- carbon monoxide
	- particulate matter
	- monoethanolamine
	Fugitive emissions are an estimate only and should not be idered as a maximum allowable emission rate.
(5)	Railcar loading and cleaning operations do not occur
` '	ltaneously.
	These emissions represent the total emissions from the vapor
	ustion system.
	Flare emissions attributable to this facility. (Refer to Permit
	2447 for total emission rate.)
(8)	Emissions prior to completion of wastewater treatment project.
(9)	Emissions after completion of wastewater treatment project.
	sion rates are based on and the facilities are limited by the
follo	owing maximum operating schedule:
2.4	Hardele 7 Dr. of and 52 Westerfaces Harden
24	Hrs/day7Days/week <u>52</u> Weeks/year_orHrs/year
	Dated
	Dateu