

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 2691

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

<u>Emission Rates *</u>	<u>Source</u>	<u>Air Contaminant</u>	<u>Emission</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	
<u>TPY</u>				
149FN1	DPG Reformer	NO _x	235.0	862.86
		CO	3.00	13.14
		PM	1.97	8.63
		VOC	0.56	2.19
149FN2	Selas Reformer and GE Turbine	NO _x	61.88	271.0
		CO	5.69	24.9
		SO ₂	0.64	1.4
		PM	3.07	13.5
		VOC	1.16	5.1
149FL1	Flare	NO _x	0.05	0.2
		CO	0.39	1.7
		SO ₂	<0.01	<0.01
		VOC	0.15	0.73
149V389	Tank	VOC	0.22	0.42
149V323	Tank	VOC	0.17	0.27
149V2475	Tank	VOC	0.25	0.51
	Tank (5)	VOC	0.17	0.34
149V2455	Tank	VOC	0.28	0.57
	Tank (5)	VOC	0.22	0.44
149V2458	Tank	VOC	0.26	0.50
	Tank (5)	VOC	0.22	0.40

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission Rates *	Source	Air Contaminant	<u>Emission</u>
Point No. (1)	Name (2)	Name (3)	lb/hr
<u>TPY</u>			

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA				
Emission Rates *	Source	Air Contaminant		<u>Emission</u>
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>		<u>lb/hr</u>
<u>TPY</u>				
149V774	Tank	VOC	0.23	0.35
	Tank (5)	VOC	0.19	0.25
149V386	Tank (5)	VOC	0.22	0.43
149V1365	Guard Bed	H ₂ S	2.88	0.13
149V1366	Guard Bed	H ₂ S	2.88	0.13
149V2350	Guard Bed	H ₂ S	3.69	0.38
149V2351	Guard Bed	H ₂ S	3.69	0.38
FUG	Fugitives (4)	CO	1.63	7.16
		VOC	3.76	16.47

(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) PM - particulate matter

VOC - volatile organic compounds as defined in General Rule 101.1

NO_x - total oxides of nitrogen

SO₂ - sulfur dioxide

H₂S - hydrogen sulfide

CO - carbon monoxide

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

(5) Emission rate following upgrade of tank seals required by Special Condition No. 9.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

<u>Emission Rates *</u> <u>Point No. (1)</u> <u>TPY</u>	<u>Source</u> <u>Name (2)</u>	<u>Air Contaminant</u> <u>Name (3)</u>	<u>Emission</u> <u>lb/hr</u>
---	----------------------------------	---	---------------------------------

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

Dated _____