Permit No. 19108

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.

Emission *	Source	Air Contaminant	<u>Emissi</u>	on Rates
Point No. (1)	Name (2)	Name (3)	lb/hr	T <u>PY</u>
B-002 0.3		Boiler SP-2	VOC	0.1
0.15		NO_{\times}	2.8	12.2
		SO ₂	0.4	1.6
		PM	0.1	0.4
		CO	0.7	3.0
H-002	0.1	No. 1 Crude Cha	rge Heate	rV0C
0.03	0.1	NO_x	2.21	9.7
		SO ₂	0.24	1.1
		PM	0.19	0.8
		CO	0.19	0.8
H-014	0.03	Naphtha Splitte	r Heater	VOC
0.19	0.83	NO	2 02	0 04
		NO_x SO_2	2.02 1.69	8.84 5.19
		SO₂ PM	0.56	2.43
		CO	2.02	8.84
		CO	2.02	0.04
H-016 0.41	1.80	Vacuum Charge H	eater	VOC
0111	1.00	NO _x	13.20	57.81
		SO ₂	3.69	11.31
		PM	1.21	5.30
		CO	4.40	19.27

Emission	Source	Air Contaminant	<u>Emissio</u>	n Rates
<u>*</u> <u>Point No. (1)</u>	Name (2)	Name (3)	lb/hr	TPY
H-021 0.65		Demex DMO Heater\	/0C	0.15
		NO_{x}	1.59	6.97
		SO_2	1.33	4.09
		PM	0.44	1.92
		CO	1.59	6.97
H-022 0.43		Asphalt Heater \	VOC	0.10
0.13		NO_{\times}	1.05	4.58
		SO ₂	0.88	2.69
		PM	0.29	1.26
		CO	1.05	4.58
H-023 0.02	0.07	Demex Tracing Oil	Heater \	VOC
0.02	0.07	NO_{\times}	0.18	0.79
		SO ₂	0.15	0.46
		PM	0.05	0.22
		CO	0.18	0.79
H-028 0.58	2.54	No. 1 Crude Charg	je Heater\	VOC
0.36	2.34	NO_x	6.21	27.18
		SO ₂	5.20	15.95
		PM	1.71	7.47
		CO	6.21	27.18
H-036 0.58	2.54	No. 1 Crude Charg	je Heater\	VOC
0.30	۷.J 4	NO_x	6.21	27.18
		SO ₂	5.20	15.95
		PM	1.71	7.47
		CO	6.21	27.18
		20	J	0

Emission *	Source A	air Contaminant	<u>Emissio</u>	n Rates
- Point No. (1)	Name (2)	Name (3)	lb/hr	TPY
H-037 0.15	0.65	No. 2 HDU Charge	Heater	VOC
0.13	0.03	NO _x SO ₂ PM CO	1.58 1.33 0.44 1.58	6.94 4.07 1.91 6.94
H-038 0.14	0.61	No. 2 HDU Reboil	er Heater	VOC
0.14	0.61	NO _x SO ₂ PM CO	1.48 1.24 0.41 1.48	6.46 3.79 1.78 6.46
F-0100 13.13	No. 1 Naphtha Fractio	nator	VOC	3.00
19.19	Fugitives (4)	H₂S	<0.01	<0.01
F-0670	West Plant Cooling To	wer VOC	0.63	2.76
F-0680 52.56	Waste Water Treatment	Unit	VOC	12.00
F-0682	Crude Unit Sump	VOC	0.66	2.89
F-0683	No. 1 Reformer Sump	VOC	0.34	1.47
F-0688	Vacuum Unit Sump	VOC	0.42	1.84
F-0689	Crude Unload Sump	VOC	0.04	0.18
F-0700 5.78	No. 1 Stabilizer Unit	Fugitives (4)	VOC	1.32
511.0		H_2S	<0.01	<0.01

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Emission *	Source	Air Contaminant	<u>Emissio</u>	n Rates
Point No. (1)	Name (2)	Name (3)	1b/hr	<u>TPY</u>
F-0701	No. 2 Stabilizer Un	it Fugitives (4)	VOC	1.69
7.41		H₂S	<0.01	<0.01
F-0710	Light Ends Fugitive	s (4) VOC H ₂ S	1.58 0.02	6.93 0.10
F-1400 19.84	Vacuum Unit Fugitiv	es (4)	VOC	4.53
F-2000	Demex Unit Fugitive	s (4) VOC	6.83	29.90
F-2010 1.20	Demex Flaker Fugitiv	ves (4)	VOC	0.27
F-2900 25.5	No. 1 Crude Unit Fu	gitives (4)	VOC	5.82
F-3000 14.43	No. 2 Naphtha HDU F	ugitives (4)	VOC	3.29
F-3910 1.47	Aromatics Rail Rack	Fugitives (4)	VOC	0.34

Emission *	Source	Air Contaminant	<u>Emissi</u>	on Rates
Point No. (1)	Name (2)	Name (3)	1b/hr	<u>TPY</u>
FL-002 6.40	Loading Rack Vapor (Combustor	VOC	20.43
		NO _×	2.80	0.87
		CO	8.13	2.53
FL-005	Wastewater Treater F		0.40	1.16
		NO _x	0.05	0.13
		SO₂ CO	0.04 0.37	$0.11 \\ 1.08$
		CO	0.57	1.00
FL-501	No. 1 West Plant Fla	are VOC	1.06	3.10
		NO_x	0.03	0.14
		SO ₂	0.55	1.60
		CO	0.34	1.04
FL-006	No. 2 West Plant Fla	are VOC	1.34	3.03
		NO_x	0.14	0.37
		SO ₂	0.04	0.08
		CO	0.73	1.89
L-001 1.00	0.78	Black Oil Truck	c Rack	VOC
L-002 14.26		Gasoline Truck	RackVOC	39.98
L-005 7.66	1.51	Aromatics Railo	ar Rack	VOC

⁽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

AIR CONTAMINANTS DATA

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

 NO_x - total oxides of nitrogen SO_2 - sulfur dioxide

PM - particulate matter

CO - carbon monoxide

H₂S - hydrogen sulfide

EMISSION SOU	RCES – MAXIMUM ALLOV	VABLE EMISSION RATES
(4) Fugitive emissions a as a maximum allowable		and should not be considered
Emission rates are following maximum opera		acilities are limited by the
	Hrs/day	Days/week
Weeks/year or <u>8,760</u>	Hrs/year	
		Dated

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