### Permit Number 169075

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, sources, and related activities. 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)	<b>Emission Rates</b>	
			lbs/hour	TPY (4)
F-501	F-501 Gasoline Loop SU Heater	voc	0.24	1.05
	30 Heater	NOx	1.72	6.13
		со	1.27	5.58
		SO <sub>2</sub>	0.21	0.91
		H₂S	<0.01	<0.01
		РМ	0.26	1.13
		PM <sub>10</sub>	0.26	1.13
		PM <sub>2.5</sub>	0.26	1.13
590A	F-590A Gasoline Loop Regeneration Heater	VOC	0.10	0.30
		NOx	0.45	1.60
		СО	0.33	1.46
		SO <sub>2</sub>	0.05	0.24
		H <sub>2</sub> S	<0.01	<0.01
		РМ	0.07	0.29
		PM <sub>10</sub>	0.07	0.29
		PM <sub>2.5</sub>	0.07	0.29
590B	F-590B Gasoline Loop Regeneration Heater	VOC	0.10	0.30
		NOx	0.45	1.60
		СО	0.33	1.46
		SO <sub>2</sub>	0.05	0.24
		H <sub>2</sub> S	<0.01	<0.01
		РМ	0.07	0.29
		PM <sub>10</sub>	0.07	0.29
		PM <sub>2.5</sub>	0.07	0.29

Emission Sources - Maximum Allowable Emission Rates

F-801	F-801 Gasoline Splitter Reboiler	voc	0.17	0.74
	Repoilei	NOx	1.23	4.35
		СО	0.90	3.96
		SO <sub>2</sub>	0.15	0.65
		H <sub>2</sub> S	<0.01	<0.01
		PM	0.18	0.80
		PM <sub>10</sub>	0.18	0.80
		PM <sub>2.5</sub>	0.18	0.80
F-902	F-902 Isomerization Effluent Stabilizer	voc	0.02	0.09
	Reboiler	NOx	0.15	0.53
		СО	0.11	0.48
		SO <sub>2</sub>	0.02	0.08
		H <sub>2</sub> S	<0.01	<0.01
		PM	0.02	0.10
		PM <sub>10</sub>	0.02	0.10
		PM <sub>2.5</sub>	0.02	0.10
F-901	F-901 Isomerization Heater	voc	0.02	0.09
	ricator	NOx	0.15	0.52
		СО	0.11	0.47
		SO <sub>2</sub>	0.02	0.08
		H <sub>2</sub> S	<0.01	<0.01
		PM	0.02	0.09
		PM <sub>10</sub>	0.02	0.09
		PM <sub>2.5</sub>	0.02	0.09
F-951	F-951 Hydrocracker Heater	voc	0.02	0.07
	ricator	NOx	0.12	0.43
		СО	0.09	0.39
		SO <sub>2</sub>	0.01	0.06
		H <sub>2</sub> S	<0.01	<0.01

		РМ	0.02	0.08
		PM <sub>10</sub>	0.02	0.08
		PM <sub>2.5</sub>	0.02	0.08
FUG	Fugitives	VOC	2.44	10.70
		СО	0.07	0.31
		H <sub>2</sub> S	<0.01	0.01
		NH <sub>3</sub>	<0.01	0.02
F-1701A	Steam Boiler F-1701A	VOC	1.43	6.26
		NOx	10.30	14.05
		со	7.61	26.66
		SO <sub>2</sub>	1.25	5.46
		H <sub>2</sub> S	<0.01	<0.01
		NH <sub>3</sub>	0.93	4.05
		РМ	1.53	6.72
		PM <sub>10</sub>	1.53	6.72
		PM <sub>2.5</sub>	1.53	6.72
F-1701B	Steam Boiler F-1702B	VOC	1.43	6.26
		NOx	10.30	14.05
		СО	7.61	26.66
		SO <sub>2</sub>	1.25	5.46
		H <sub>2</sub> S	<0.01	<0.01
		NH <sub>3</sub>	0.93	4.05
		РМ	1.53	6.72
		PM <sub>10</sub>	1.53	6.72
		PM <sub>2.5</sub>	1.53	6.72
CT-1	Cooling Tower	VOC	1.30	5.69
		РМ	0.16	0.71
		PM <sub>10</sub>	0.13	0.58
		PM <sub>2.5</sub>	<0.01	<0.01

TK-2006	TK 2006 Off 2222			
1K-2000	TK-2006 Off-spec Gasoline Storage Tank	VOC	0.59	1.62
TK-2005	TK-2005 On-spec Gasoline Storage Tank	voc	0.61	1.77
TK-2007A	TK-2007A Blended Gasoline 1 Storage Tank	VOC	2.43	5.98
TK-2007B	TK-2007B Blended Gasoline 2 Storage Tank	VOC	2.43	5.98
DSL-TNK	Diesel Tank	VOC	0.11	<0.01
FPUMP1	Firewater Pump 1	VOC	3.29	0.16
		NOx	3.29	0.16
		со	3.34	0.17
		SO <sub>2</sub>	1.03	0.05
		PM	0.16	<0.01
		PM <sub>10</sub>	0.16	<0.01
		PM <sub>2.5</sub>	0.16	<0.01
FPUMP2	Firewater Pump 2	VOC	3.29	0.16
		NOx	3.29	0.16
		СО	3.34	0.17
		SO <sub>2</sub>	1.03	0.05
		РМ	0.16	<0.01
		PM <sub>10</sub>	0.16	<0.01
		PM <sub>2.5</sub>	0.16	<0.01
FPUMP3	Firewater Pump 3	VOC	3.29	0.16
		NOx	3.29	0.16
		со	3.34	0.17
		SO <sub>2</sub>	1.03	0.05
		PM	0.16	<0.01
		PM <sub>10</sub>	0.16	<0.01
		PM <sub>2.5</sub>	0.16	<0.01
FPUMP4	Firewater Jockey	VOC	1.97	0.10
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		NOx	1.97	0.10
		СО	2.00	0.10
		SO <sub>2</sub>	0.62	0.03
		PM	0.10	<0.01
		PM <sub>10</sub>	0.10	<0.01
		PM <sub>2.5</sub>	0.10	<0.01
FPUMP5	Firewater Jockey	VOC	1.97	0.10
	Pump 2	NOx	1.97	0.10
		СО	2.00	0.10
		SO <sub>2</sub>	0.62	0.03
		PM	0.10	<0.01
		PM <sub>10</sub>	0.10	<0.01
		PM <sub>2.5</sub>	0.10	<0.01
EGEN1	Emergency Engine	VOC	5.03	0.25
		NOx	25.95	1.30
		СО	13.36	0.67
		SO <sub>2</sub>	4.10	0.21
		PM	1.32	0.07
		PM <sub>10</sub>	1.32	0.07
		PM <sub>2.5</sub>	1.32	0.07
WWTP	Wastewater Treatment	voc	0.14	0.61
FLARE	Flare	voc	277.28	8.11
		NOx	21.73	1.11
		со	186.33	9.50
		SO <sub>2</sub>	2.94	2.61
		H <sub>2</sub> S	0.03	0.03
VCU	VCU	voc	9.69	5.79
		NOx	1.69	1.58

		SO <sub>2</sub>	<0.01	0.02
		H <sub>2</sub> S	<0.01	<0.01
		РМ	0.13	0.12
		PM <sub>10</sub>	0.13	0.12
		PM <sub>2.5</sub>	0.13	0.12
MSS-DEGASS	Large Equipment Openings after Degassing	VOC	34.74	0.05
MSS-INST	Instrumentation and Metering Equipment	VOC	0.72	1.44
MSS-VAC	Vacuum Trucks	voc	0.99	0.16
MSS-TNKOPN	Tank Openings	voc	10.46	0.01
MSS-VCU	Temporary MSS VCU	voc	16.45	1.70
		NOx	3.05	0.32
		со	2.25	0.24
		SO <sub>2</sub>	0.50	0.05
		РМ	0.23	0.02
		PM <sub>10</sub>	0.23	0.02
		PM <sub>2.5</sub>	0.23	0.02
SLOP	Slop Oil Tank and Slop Methanol Tank Truck Loading	VOC	1.41	3.98
All Emissions at the Site	All Sources at the Site	Individual HAPs		<10.00
		Total HAPs		<25.00

(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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.

VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1

 $\begin{array}{lll} NO_x & & - \mbox{ total oxides of nitrogen} \\ H_2S & & - \mbox{ hydrogen sulfide} \\ SO_2 & & - \mbox{ sulfur dioxide} \end{array}$ 

PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented

PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as

represented

PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter

CO - carbon monoxide

NH<sub>3</sub> - ammonia

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### Emission Sources - Maximum Allowable Emission Rates

HAP	- hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of
	Federal Regulations Part 63, Subpart C

- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.

Date:	04/13/2023