

Emission Sources - Maximum Allowable Emission Rates

Permit Number 157150

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)	Emission Rates	
			lbs/hour	TPY (4)
BERTH-1	Berth 1 Loading Fug	VOC	8.22	-
		H <sub>2</sub> S	0.01	-
BERTH-2	Berth 2 Loading Fug	VOC	8.22	-
		H <sub>2</sub> S	0.01	-
BERTHCAP	Berth Loading Annual Emission CAP	VOC	-	32.73
		H <sub>2</sub> S	-	0.03
MVCU-1	Marine Loading VCU No. 1	NO <sub>x</sub>	5.02	-
		CO	3.77	-
		VOC	12.55	-
		PM	1.87	-
		PM <sub>10</sub>	1.87	-
		PM <sub>2.5</sub>	1.87	-
		SO <sub>2</sub>	23.62	-
		H <sub>2</sub> S	0.25	-
MVCU-2	Marine Loading VCU No. 2	NO <sub>x</sub>	5.02	-
		CO	3.77	-
		VOC	12.55	-
		PM	1.87	-
		PM <sub>10</sub>	1.87	-
		PM <sub>2.5</sub>	1.87	-
		SO <sub>2</sub>	23.62	-
		H <sub>2</sub> S	0.25	-
MVCU-3	Marine Loading VCU No. 3	NO <sub>x</sub>	5.02	-
		CO	3.77	-
		VOC	12.55	-
		PM	1.87	-
		PM <sub>10</sub>	1.87	-

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		PM <sub>2.5</sub>	1.87	-
		SO <sub>2</sub>	23.62	-
		H <sub>2</sub> S	0.25	-
MVCU-4	Marine Loading VCU No. 4	NO <sub>x</sub>	5.02	-
		CO	3.77	-
		VOC	12.55	-
		PM	1.87	-
		PM <sub>10</sub>	1.87	-
		PM <sub>2.5</sub>	1.87	-
		SO <sub>2</sub>	23.62	-
		H <sub>2</sub> S	0.25	-
MVCUCAP	Marine VCU Annual Emission CAP	NO <sub>x</sub>	-	22.73
		CO	-	21.34
		VOC	-	35.33
		PM	-	8.47
		PM <sub>10</sub>	-	8.47
		PM <sub>2.5</sub>	-	8.47
		SO <sub>2</sub>	-	61.89
		H <sub>2</sub> S	-	0.65
80-1	Recycle Tank No. 1	VOC	3.52	1.70
		H <sub>2</sub> S	0.01	0.01
80-2	Recycle Tank No. 2	VOC	3.52	1.70
		H <sub>2</sub> S	0.01	0.01
T-COMB-1	Temporary Combustion Unit	NO <sub>x</sub>	4.40	3.75
		CO	4.40	3.75
		VOC	2.20	0.23
		PM	0.33	0.28
		PM <sub>10</sub>	0.33	0.28
		PM <sub>2.5</sub>	0.33	0.28
		SO <sub>2</sub>	4.14	0.09
		H <sub>2</sub> S	0.04	0.01
FWPUMP1	Emergency Firewater Pump No.1	NO <sub>x</sub>	11.05	0.55
		CO	1.01	0.05

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		VOC	0.89	0.04
		PM	0.26	0.01
		PM <sub>10</sub>	0.26	0.01
		PM <sub>2.5</sub>	0.26	0.01
		SO <sub>2</sub>	1.59	0.08
FWPUMP2	Emergency Firewater Pump No.2	NO <sub>x</sub>	11.05	0.55
		CO	1.01	0.05
		VOC	0.89	0.04
		PM	0.26	0.01
		PM <sub>10</sub>	0.26	0.01
		PM <sub>2.5</sub>	0.26	0.01
		SO <sub>2</sub>	1.59	0.08
EFWPTK-1	Emergency Firewater Pump No. 1 Diesel Tank	VOC	0.03	<0.01
EFWPTK-2	Emergency Firewater Pump No. 2 Diesel Tank	VOC	0.03	<0.01
FUG	Fugitives (5)	VOC	0.78	3.40
		H <sub>2</sub> S	<0.01	<0.01
MSS	MSS Emissions	NO <sub>x</sub>	2.05	0.42
		CO	1.33	0.42
		VOC	49.90	0.03
		PM	0.10	0.03
		PM <sub>10</sub>	0.10	0.03
		PM <sub>2.5</sub>	0.10	0.03
		SO <sub>2</sub>	0.25	0.78
		H <sub>2</sub> S	0.06	<0.01
HAP	Site-wide HAPs	HAP	-	<10.00
		HAP-TOTAL	-	<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) NO<sub>x</sub> - total oxides of nitrogen
- CO - carbon monoxide
- VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
- 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

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- PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
- SO<sub>2</sub> - sulfur dioxide
- H<sub>2</sub>S - hydrogen sulfide
- 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: \_\_\_\_\_

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