

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 162941

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)
TK-06-01	Tank TK-06-01	VOC	13.40	-
		H <sub>2</sub> S	0.13	-
TK-06-02	Tank TK-06-02	VOC	18.42	-
		H <sub>2</sub> S	0.18	-
TK-06-03	Tank TK-06-03	VOC	13.40	-
		H <sub>2</sub> S	0.13	-
TK-06-04	Tank TK-06-04	VOC	13.40	-
		H <sub>2</sub> S	0.13	-
TK-06-05	Tank TK-06-05	VOC	13.40	-
		H <sub>2</sub> S	0.13	-
TK-06-06	Tank TK-06-06	VOC	13.40	-
		H <sub>2</sub> S	0.13	-
TK-06-07	Tank TK-06-07	VOC	13.40	-
		H <sub>2</sub> S	0.13	-
TK-06-08	Tank TK-06-08	VOC	9.51	-
		H <sub>2</sub> S	0.10	-
TK-06-09	Tank TK-06-09	VOC	9.51	-
		H <sub>2</sub> S	0.10	-
TK-06-10	Tank TK-06-10	VOC	9.51	-
		H <sub>2</sub> S	0.10	-
TK-06-11	Tank TK-06-11	VOC	9.51	-
		H <sub>2</sub> S	0.10	-
TK-06-12	Tank TK-06-12	VOC	9.51	-
		H <sub>2</sub> S	0.10	-
TK-06-13	Tank TK-06-13	VOC	9.51	-
		H <sub>2</sub> S	0.10	-

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TK-06-14	Tank TK-06-14	VOC	9.51	-
		H <sub>2</sub> S	0.10	-
TK-06-15	Tank TK-06-15	VOC	9.51	-
		H <sub>2</sub> S	0.10	-
TKCAP	Storage Tank Emissions Cap	VOC	-	42.86
		H <sub>2</sub> S	-	<0.01
DIESEL-1	Diesel Storage Tank	VOC	0.06	<0.01
DIESEL-2	Diesel Storage Tank	VOC	0.06	<0.01
DIESEL-3	Diesel Storage Tank	VOC	0.06	<0.01
FUG	Piping Fugitive Components (5)	VOC	2.3	10.05
		H <sub>2</sub> S	<0.01	<0.01
MDOCK-1	Marine Dock No. 1	VOC	5.88	-
		H <sub>2</sub> S	0.01	-
MDOCK-2	Marine Dock No. 2	VOC	5.88	-
		H <sub>2</sub> S	0.01	-
MDOCK-3	Marine Dock No. 3	VOC	5.88	-
		H <sub>2</sub> S	0.01	-
MDOCK-4	Marine Dock No. 4	VOC	5.88	-
		H <sub>2</sub> S	0.01	-
MDOCK-5	Marine Dock No. 5	VOC	5.88	-
		H <sub>2</sub> S	0.01	-
MDOCK-6	Marine Dock No. 6	VOC	5.88	-
		H <sub>2</sub> S	0.01	-
MDOCK-7	Marine Dock No. 7	VOC	5.88	-
		H <sub>2</sub> S	0.01	-
MDOCKCAP	Marine Dock Emissions Cap	VOC	-	11.80
		H <sub>2</sub> S	-	0.01

CONT-1	Marine Control No. 1	VOC	5.14	
		NO <sub>x</sub>	16.00	-

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		CO	16.00	-
		PM	1.19	-
		PM <sub>10</sub>	1.19	-
		PM <sub>2.5</sub>	1.19	-
		H <sub>2</sub> S	0.10	-
		SO <sub>2</sub>	9.68	-
CONT-2	Marine Control No. 2	VOC	5.14	-
		NO <sub>x</sub>	16.00	-
		CO	16.00	-
		PM	1.19	-
		PM <sub>10</sub>	1.19	-
		PM <sub>2.5</sub>	1.19	-
		H <sub>2</sub> S	0.10	-
		SO <sub>2</sub>	9.68	-
CONT-3	Marine Control No. 3	VOC	5.14	-
		NO <sub>x</sub>	3.20	-
		CO	3.20	-
		PM	1.19	-
		PM <sub>10</sub>	1.19	-
		PM <sub>2.5</sub>	1.19	-
		H <sub>2</sub> S	0.10	-
		SO <sub>2</sub>	9.68	-

CONT-4	Marine Control No. 4	VOC	5.14	-
		NO <sub>x</sub>	3.20	-
		CO	3.20	-
		PM	1.19	-

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		PM <sub>10</sub>	1.19	-
		PM <sub>2.5</sub>	1.19	-
		H <sub>2</sub> S	0.10	-
		SO <sub>2</sub>	9.68	-
CONT-5	Marine Control No. 5	VOC	5.14	-
		NO <sub>x</sub>	3.20	-
		CO	3.20	-
		PM	1.19	-
		PM <sub>10</sub>	1.19	-
		PM <sub>2.5</sub>	1.19	-
		H <sub>2</sub> S	0.10	-
		SO <sub>2</sub>	9.68	-
CONT-6	Marine Control No. 6	VOC	5.14	-
		NO <sub>x</sub>	3.20	-
		CO	3.20	-
		PM	1.19	-
		PM <sub>10</sub>	1.19	-
		PM <sub>2.5</sub>	1.19	-
		H <sub>2</sub> S	0.10	-
		SO <sub>2</sub>	9.68	-

CONT-7	Marine Control No. 7	VOC	5.14	-
		NO <sub>x</sub>	3.20	-
		CO	3.20	-
		PM	1.19	-
		PM <sub>10</sub>	1.19	-
		PM <sub>2.5</sub>	1.19	-

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		H <sub>2</sub> S	0.10	-
		SO <sub>2</sub>	9.68	-
CONT-8	Marine Control No. 8	VOC	5.14	-
		NO <sub>x</sub>	3.20	-
		CO	3.20	-
		PM	1.19	-
		PM <sub>10</sub>	1.19	-
		PM <sub>2.5</sub>	1.19	-
		H <sub>2</sub> S	0.10	-
		SO <sub>2</sub>	9.68	-
CONT-9	Marine Control No. 9	VOC	5.14	-
		NO <sub>x</sub>	3.20	-
		CO	3.20	-
		PM	1.19	-
		PM <sub>10</sub>	1.19	-
		PM <sub>2.5</sub>	1.19	-
		H <sub>2</sub> S	0.10	-
		SO <sub>2</sub>	9.68	-

CONT-10	Marine Control No. 10	VOC	5.14	-
		NO <sub>x</sub>	3.20	-
		CO	3.20	-
		PM	1.19	-
		PM <sub>10</sub>	1.19	-
		PM <sub>2.5</sub>	1.19	-
		H <sub>2</sub> S	0.10	-
		SO <sub>2</sub>	9.68	-

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CONT-11	Marine Control No. 11	VOC	5.14	-
		NO <sub>x</sub>	3.20	-
		CO	3.20	-
		PM	1.19	-
		PM <sub>10</sub>	1.19	-
		PM <sub>2.5</sub>	1.19	-
		H <sub>2</sub> S	0.10	-
		SO <sub>2</sub>	9.68	-
CONT-15	Marine Control No. 15	VOC	5.14	-
		NO <sub>x</sub>	3.20	-
		CO	3.20	-
		PM	1.19	-
		PM <sub>10</sub>	1.19	-
		PM <sub>2.5</sub>	1.19	-
		H <sub>2</sub> S	0.10	-
		SO <sub>2</sub>	9.68	-

CONT-16	Marine Control No. 16	VOC	5.14	-
		NO <sub>x</sub>	3.20	-
		CO	3.20	-
		PM	1.19	-
		PM <sub>10</sub>	1.19	-
		PM <sub>2.5</sub>	1.19	-
		H <sub>2</sub> S	0.10	-
		SO <sub>2</sub>	9.68	-
CONT-17	Marine Control No. 17	VOC	5.14	-
		NO <sub>x</sub>	3.20	-

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		CO	3.20	-
		PM	1.19	-
		PM <sub>10</sub>	1.19	-
		PM <sub>2.5</sub>	1.19	-
		H <sub>2</sub> S	0.10	-
		SO <sub>2</sub>	9.68	-
CONT-18	Marine Control No. 18	VOC	5.14	-
		NO <sub>x</sub>	3.20	-
		CO	3.20	-
		PM	1.19	-
		PM <sub>10</sub>	1.19	-
		PM <sub>2.5</sub>	1.19	-
		H <sub>2</sub> S	0.10	-
		SO <sub>2</sub>	9.68	-

CONT-19	Marine Control No. 19	VOC	5.14	-
		NO <sub>x</sub>	3.20	-
		CO	3.20	-
		PM	1.19	-
		PM <sub>10</sub>	1.19	-
		PM <sub>2.5</sub>	1.19	-
		H <sub>2</sub> S	0.10	-
		SO <sub>2</sub>	9.68	-
CONT-20	Marine Control No. 20	VOC	5.14	-
		NO <sub>x</sub>	3.20	-
		CO	3.20	-
		PM	1.19	-

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		PM <sub>10</sub>	1.19	-
		PM <sub>2.5</sub>	1.19	-
		H <sub>2</sub> S	0.10	-
		SO <sub>2</sub>	9.68	-
CONT-21	Marine Control No. 21	VOC	5.14	-
		NO <sub>x</sub>	3.20	-
		CO	3.20	-
		PM	1.19	-
		PM <sub>10</sub>	1.19	-
		PM <sub>2.5</sub>	1.19	-
		H <sub>2</sub> S	0.10	-
		SO <sub>2</sub>	9.68	-

CONT-22	Marine Control No. 22	VOC	5.14	-
		NO <sub>x</sub>	3.20	-
		CO	3.20	-
		PM	1.19	-
		PM <sub>10</sub>	1.19	-
		PM <sub>2.5</sub>	1.19	-
		H <sub>2</sub> S	0.10	-
		SO <sub>2</sub>	9.68	-
CONT-23	Marine Control No. 23	VOC	5.14	-
		NO <sub>x</sub>	3.20	-
		CO	3.20	-
		PM	1.19	-
		PM <sub>10</sub>	1.19	-
		PM <sub>2.5</sub>	1.19	-



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MCONTCAP	Marine Control Emissions Cap	H <sub>2</sub> S	0.10	-
		SO <sub>2</sub>	9.68	-
		VOC		17.33
		NO <sub>x</sub>	-	87.56
		CO	-	87.56
		PM	-	10.73
		PM <sub>10</sub>	-	10.73
		PM <sub>2.5</sub>	-	10.73
		H <sub>2</sub> S	-	0.43
		SO <sub>2</sub>	-	20.91

FWPUMP-1	Firewater Pump 1	VOC	0.89	0.04
		NO <sub>x</sub>	11.05	0.55
		CO	1.01	0.05
		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
FWPUMP-2	Firewater Pump 2	VOC	0.89	0.04
		NO <sub>x</sub>	11.05	0.55
		CO	1.01	0.05
		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
FWPUMP-3	Firewater Pump 3	VOC	0.89	0.04
		NO <sub>x</sub>	11.05	0.55

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FWPUMP-4	Firewater Pump 4	CO	1.01	0.05
		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
		VOC	0.89	0.04
		NO <sub>x</sub>	11.05	0.55
FWPUMP-5	Firewater Pump 5	CO	1.01	0.05
		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
		VOC	0.89	0.04
		NO <sub>x</sub>	11.05	0.55
EMG-GEN1	Emergency Generator	CO	1.25	0.06
		PM	0.08	<0.01
		PM <sub>10</sub>	0.08	<0.01
		PM <sub>2.5</sub>	0.08	<0.01
		SO <sub>2</sub>	0.28	0.01
		VOC	1.00	0.05
		NO <sub>x</sub>	1.00	0.05
EMERGFLARE	Emergency Flare	CO	0.21	0.91
		H <sub>2</sub> S	<0.01	<0.01
		VOC	0.02	0.07
		NO <sub>x</sub>	0.05	0.23

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		SO <sub>2</sub>	<0.01	0.01
MSS-C	Controlled MSS Emissions Cap	VOC	1.12	0.32
		NO <sub>x</sub>	3.00	6.43
		CO	4.00	8.57
		PM	0.15	0.32
		PM <sub>10</sub>	0.15	0.32
		PM <sub>2.5</sub>	0.15	0.32
		H <sub>2</sub> S	0.05	0.02
		SO <sub>2</sub>	1.88	0.59

MSS-U	Uncontrolled MSS Emissions Cap	VOC	15.62	1.44
		H <sub>2</sub> S	0.02	<0.01

- (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 Title 30 Texas Administrative Code § 101.1
- NO<sub>x</sub> - total oxides of nitrogen
- CO - carbon monoxide
- 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
- SO<sub>2</sub> - sulfur dioxide
- H<sub>2</sub>S - hydrogen sulfide
- (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: Commission signed/issued April 8, 2022