

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 167414

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)
BOILER-1	Boiler No. 1	NO <sub>x</sub>	0.29	1.27
		CO	0.25	1.11
		VOC	0.04	0.19
		SO <sub>2</sub>	<0.01	0.02
		PM	0.06	0.26
		PM <sub>10</sub>	0.06	0.26
		PM <sub>2.5</sub>	0.06	0.26
BOILER-2	Boiler No. 2	NO <sub>x</sub>	0.58	2.53
		CO	0.51	2.23
		VOC	0.09	0.38
		SO <sub>2</sub>	0.01	0.04
		PM	0.12	0.53
		PM <sub>10</sub>	0.12	0.53
		PM <sub>2.5</sub>	0.12	0.53
GEN-1	Emergency Generator No. 1	NO <sub>x</sub>	0.97	0.05
		CO	0.65	0.03
		VOC	0.20	0.01
		SO <sub>2</sub>	<0.01	<0.01
		PM	0.05	<0.01
		PM <sub>10</sub>	0.05	<0.01
		PM <sub>2.5</sub>	0.05	<0.01
FUG-E	Piping Fugitives – East Terminal Area	VOC	0.43	1.87
FUG-N	Piping Fugitives – North Terminal Area	VOC	0.14	0.61

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FUG-SW	Piping Fugitives – Southwest Terminal Area	VOC	0.88	3.84
		H <sub>3</sub> PO <sub>4</sub>	0.07	0.32
FUG-DOCK	Piping Fugitives – Dock Areas	VOC	0.054	0.24
23218	Fixed Roof Storage Tank	VOC	0.09	<0.01
23221	Fixed Roof Storage Tank	VOC	0.08	<0.01
23222	Fixed Roof Storage Tank	VOC	0.08	<0.01
23223	Fixed Roof Storage Tank	VOC	0.08	<0.01
23301	Fixed Roof Storage Tank	VOC	2.29	0.05
23302	Fixed Roof Storage Tank	VOC	2.29	0.05
23303	Fixed Roof Storage Tank	VOC	0.09	<0.01
23304	Fixed Roof Storage Tank	VOC	2.29	0.05
23305	Fixed Roof Storage Tank	VOC	0.09	<0.01
23306	Fixed Roof Storage Tank	VOC	4.69	0.22
23307	Fixed Roof Storage Tank	VOC	4.69	0.22
23308	Fixed Roof Storage Tank	VOC	4.69	0.22
23309	Fixed Roof Storage Tank	H <sub>3</sub> PO <sub>4</sub>	0.09	<0.01
23310	Fixed Roof Storage Tank	VOC	4.69	0.22
23312	Fixed Roof Storage Tank	VOC	1.20	0.04
23315	Fixed Roof Storage Tank	VOC	0.08	<0.01
23316	Fixed Roof Storage Tank	VOC	0.08	<0.01
23317	Fixed Roof Storage Tank	VOC	0.08	<0.01
23318	Fixed Roof Storage Tank	VOC	0.08	<0.01
23319	Fixed Roof Storage Tank	VOC	0.08	<0.01
23320	Fixed Roof Storage Tank	VOC	0.08	<0.01
23325	Fixed Roof Storage Tank	VOC	0.08	<0.01
23326	Fixed Roof Storage Tank	VOC	0.08	<0.01
23327	Fixed Roof Storage Tank	VOC	0.08	<0.01
23328	Fixed Roof Storage Tank	VOC	0.08	<0.01
23329	Fixed Roof Storage Tank	VOC	0.08	<0.01

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23331	Fixed Roof Storage Tank	VOC	0.08	<0.01
23332	Fixed Roof Storage Tank	VOC	0.10	<0.01
23333	Fixed Roof Storage Tank	VOC	0.08	<0.01
23334	Fixed Roof Storage Tank	VOC	0.08	<0.01
23335	Fixed Roof Storage Tank	VOC	0.08	<0.01
23336	Fixed Roof Storage Tank	VOC	0.08	<0.01
23338	Fixed Roof Storage Tank	VOC	0.08	<0.01
23339	Fixed Roof Storage Tank	VOC	0.08	<0.01
23340	Fixed Roof Storage Tank	VOC	0.08	<0.01
23341	Fixed Roof Storage Tank	VOC	0.08	<0.01
23401	Fixed Roof Storage Tank	VOC	0.08	<0.01
23402	Fixed Roof Storage Tank	VOC	0.08	<0.01
23403	Fixed Roof Storage Tank	VOC	0.08	<0.01
23404	Fixed Roof Storage Tank	VOC	0.08	<0.01
23405	Fixed Roof Storage Tank	VOC	0.08	<0.01
23406	Fixed Roof Storage Tank	VOC	0.08	<0.01
23407	Fixed Roof Storage Tank	VOC	0.08	<0.01
23408	Fixed Roof Storage Tank	VOC	0.08	<0.01
23413	Fixed Roof Storage Tank	VOC	0.08	<0.01
23414	Fixed Roof Storage Tank	VOC	0.08	<0.01
23429	Fixed Roof Storage Tank	VOC	0.08	<0.01
23501	Fixed Roof Storage Tank	VOC	1.20	0.06
23502	Fixed Roof Storage Tank	VOC	4.69	0.27
23503	Fixed Roof Storage Tank	VOC	0.08	<0.01
23505	Fixed Roof Storage Tank	VOC	4.69	0.18
23506	Fixed Roof Storage Tank	VOC	0.08	<0.01
23507	Fixed Roof Storage Tank	VOC	0.08	<0.01
23508	Fixed Roof Storage Tank	VOC	0.08	<0.01
23509	Fixed Roof Storage Tank	VOC	0.08	<0.01

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23510	Fixed Roof Storage Tank	VOC	0.29	0.01
23511	Fixed Roof Storage Tank	VOC	0.08	<0.01
23512	Fixed Roof Storage Tank	VOC	0.08	<0.01
23514	Fixed Roof Storage Tank	VOC	0.08	<0.01
23515	Fixed Roof Storage Tank	VOC	1.20	0.06
23516	Fixed Roof Storage Tank	VOC	4.69	0.22
23517	Fixed Roof Storage Tank	VOC	4.69	0.22
23518	Fixed Roof Storage Tank	VOC	0.34	0.02
23519	Fixed Roof Storage Tank	VOC	0.34	0.02
23520	Fixed Roof Storage Tank	VOC	4.69	0.19
23521	Fixed Roof Storage Tank	VOC	4.69	0.24
23525	Fixed Roof Storage Tank	VOC	4.69	0.26
23526	Fixed Roof Storage Tank	VOC	4.69	0.32
BARGE-2	Barge Loading – Old Wharf #2	VOC	2.34	-
BARGE-3	Barge Loading – Old Wharf #3	VOC	2.34	-
BARGE-CAP	Annual Barge Loading Cap	VOC	-	0.12
SHIP-2	Ship Loading – Old Wharf #2	VOC	0.94	-
SHIP-2	Ship Loading – Old Wharf #3	VOC	0.94	-
SHIP-CAP	Annual Ship Loading Cap	VOC	-	0.02
FLEX-1	Flex Bag Loading	VOC	0.56	0.46
ISO-1	ISO Container Loading	VOC	0.55	<0.01
RAIL-1	Railcar Loading	VOC	1.01	0.08
		H <sub>3</sub> PO <sub>4</sub>	0.02	<0.01
TOTE-1	Tote Loading	VOC	0.85	<0.01
TRUCK-1	Truck Loading	VOC	1.44	1.27
		H <sub>3</sub> PO <sub>4</sub>	0.02	<0.01
MSS-ATM	MSS vented to atmosphere	VOC	6.08	0.05

- (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.

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- (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
- NO<sub>x</sub> - total oxides of nitrogen
- SO<sub>2</sub> - sulfur dioxide
- 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
- H<sub>3</sub>PO<sub>4</sub> - phosphoric acid
- (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: \_\_\_\_\_ TBD \_\_\_\_\_