

## Emission Sources - Maximum Allowable Emission Rates

Permit Number 74886

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 (6)	
			lbs/hour	TPY (4)
S1 through S14	S Storage Tank Farm	VOC plus Exempt Solvent	--	0.71
S1	Storage Tank S1	VOC plus Exempt Solvent	6.35	--
S2	Storage Tank S2	VOC plus Exempt Solvent	6.35	--
S3	Storage Tank S3	VOC plus Exempt Solvent	6.35	--
S4	Storage Tank S4	VOC plus Exempt Solvent	6.35	--
S5	Storage Tank S5	VOC plus Exempt Solvent	6.35	--
S6	Storage Tank S6	VOC plus Exempt Solvent	6.35	--
S7	Storage Tank S7	VOC plus Exempt Solvent	6.35	--
S8	Storage Tank S8	VOC plus Exempt Solvent	6.35	--
S9	Storage Tank S9	VOC plus Exempt Solvent	6.35	--
S10	Storage Tank S10	VOC plus Exempt Solvent	6.35	--
S11	Storage Tank S11	VOC plus Exempt Solvent	6.35	--
S12	Storage Tank S12	VOC plus Exempt Solvent	6.35	--
S13	Storage Tank S13	VOC plus Exempt Solvent	6.35	--
S14	Storage Tank S14	VOC plus Exempt Solvent	6.35	--
T1 through T15	T Storage Tank Farm	VOC plus Exempt Solvent	--	0.45
T1	Storage Tank T1	VOC plus Exempt Solvent	6.35	--
T2	Storage Tank T2	VOC plus Exempt Solvent	6.35	--
T3	Storage Tank T3	VOC plus Exempt Solvent	6.35	--
T4	Storage Tank T4	VOC plus Exempt Solvent	6.35	--
T5	Storage Tank T5	VOC plus Exempt Solvent	6.35	--
T6	Storage Tank T6	VOC plus Exempt Solvent	6.35	--

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T7	Storage Tank T7	VOC plus Exempt Solvent	6.35	--
T8	Storage Tank T8	VOC plus Exempt Solvent	6.35	--
T9	Storage Tank T9	VOC plus Exempt Solvent	6.35	--
T10	Storage Tank T10	VOC plus Exempt Solvent	6.35	--
T11	Storage Tank T11	VOC plus Exempt Solvent	6.35	--
T12	Storage Tank T12	VOC plus Exempt Solvent	6.35	--
T13	Storage Tank T13	VOC plus Exempt Solvent	6.35	--
T14	Storage Tank T14	VOC plus Exempt Solvent	6.35	--
T15	Storage Tank T15	VOC plus Exempt Solvent	6.35	--
F-DEP	Building 2 4 <sup>th</sup> Floor Storage Tanks and DEP Fugitives from Mixing and Filling	VOC plus Exempt Solvent	6.75	4.74
P-DC2-MAIN	Main Building Dust Collector Stack	VOC plus Exempt Solvent	28.47	28.52
		PM	0.12	0.16
		PM <sub>10</sub>	0.12	0.16
		PM <sub>2.5</sub>	0.12	0.16
P-DC-DEP	Main Building DEP Dust Collector Stack	VOC plus Exempt Solvent	0.88	0.11
		PM	0.11	0.14
		PM <sub>10</sub>	0.11	0.14
		PM <sub>2.5</sub>	0.11	0.14
P-DC54-5	Dust Collector for HSD 54	VOC plus Exempt Solvent	0.22	0.03
		PM	0.01	0.02
		PM <sub>10</sub>	0.01	0.02
		PM <sub>2.5</sub>	0.01	0.02
P-PV2-2	Main Building – 2 <sup>nd</sup> Floor Process Vent	VOC plus Exempt Solvent	4.80	5.44
P-GV2-2	Main Building – 2 <sup>nd</sup> Floor General Vent	VOC plus Exempt Solvent	4.80	5.44
P-PV2-1	Main Building Filling Vent	VOC plus Exempt Solvent	1.85	2.71
P-DC75-GEP	GEP Dust Collector	VOC plus Exempt Solvent	0.02	0.04

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		PM	0.17	0.19
		PM <sub>10</sub>	0.17	0.19
		PM <sub>2.5</sub>	0.17	0.19
P-GV-GEP	GEP General Roof Vents	VOC plus Exempt Solvent	0.02	0.04
		PM	0.02	0.05
		PM <sub>10</sub>	0.02	0.05
		PM <sub>2.5</sub>	0.02	0.05
F-GEP	GEP Building Fugitives	VOC plus Exempt Solvent	0.02	0.04
P-PB-GEP	GEP Pre-Batch Dust Collector	PM	0.02	<0.01
		PM <sub>10</sub>	0.02	<0.01
		PM <sub>2.5</sub>	0.02	<0.01
F-STILL	Solvent Distillation Unit	VOC plus Exempt Solvent	0.17	0.45
B-1	Natural Gas-Fired Boiler (4.2 mmBTU/hr)	VOC (5)	0.02	0.10
		PM (5)	0.03	0.14
		PM <sub>10</sub> (5)	0.03	0.14
		PM <sub>2.5</sub> (5)	0.03	0.14
		NO <sub>x</sub> (5)	0.41	1.80
		CO (5)	0.35	1.51
		SO <sub>2</sub> (5)	<0.01	0.01

B-2	Natural Gas-Fired Boiler for Solvent Distillation Unit (0.84 mmBTU/hr)	VOC (5)	<0.01	0.02
		PM (5)	<0.01	0.03
		PM <sub>10</sub> (5)	<0.01	0.03
		PM <sub>2.5</sub> (5)	<0.01	0.03
		NO <sub>x</sub> (5)	0.08	0.36

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		CO (5)	0.07	0.30
		SO <sub>2</sub> (5)	<0.01	<0.01
		Individual HAP	--	< 10.00
		All HAPs	--	< 25.00
All Emission Points at the Site	All Sources at the Site			

- (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
  - 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>
  - PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>
  - PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter
  - CO - carbon monoxide
  - 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) Products of combustion.
- (6) The allowable emission rates include planned maintenance, startup, and shutdown activities.

Date: March 11, 2016