

Emission Sources - Maximum Allowable Emission Rates

Permit Number 110B

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)
DPC-035	Scrubber	PM ₁₀	0.90	3.94
		PM _{2.5}	0.90	3.94
DPS-032A	East Dowtherm Heater (No. 2 Unit)	NO _x	1.80	7.88
		CO	1.51	6.61
		PM ₁₀	0.14	0.61
		PM _{2.5}	0.14	0.61
		VOC (6)	0.10	0.44
		HAP	0.03	0.13
		SO ₂	0.24	1.05
DPS-032B	West Dowtherm Heater	NO _x	1.80	7.88
		CO	1.51	6.61
		PM ₁₀	0.14	0.61
		PM _{2.5}	0.14	0.61
		VOC (6)	0.10	0.44
		HAP	0.03	0.13
		SO ₂	0.24	1.05
DPC-036	Dowtherm Bulk Storage Tank T-903	VOC (6)	0.23	0.01
DPC-037	Dowtherm Fugitives (5)	VOC (6)	0.01	0.06
DPC-039	Dowtherm Purification Still	VOC (6)	0.27	0.05
F-DP-M02	Abrasive Blasting	PM	3.83	2.40
		PM ₁₀	0.48	0.29
		PM _{2.5}	0.07	0.04

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F-DP-W01	Wastewater Treatment Fugitives	VOC (7)	3.14	13.70
		VCM	(7)	1.95
		Non-VCM HAP	(7)	1.63
F-DPU-02	Utilities Area Fugitives (5)	Freon	0.38	1.65
DPU-007	Boiler No. 1	NO _x	1.05	4.60
		CO	5.13	22.47
		PM ₁₀	0.72	3.15
		PM _{2.5}	0.72	3.15
		VOC (6)	0.38	1.66
		HAP	0.18	0.78
		SO ₂	0.06	0.26
DPU-008	Boiler No. 2	NO _x	1.05	4.60
		CO	5.13	22.47
		PM ₁₀	0.72	3.15
		PM _{2.5}	0.72	3.15
		VOC (6)	0.38	1.66
		HAP	0.18	0.78
		SO ₂	0.06	0.26

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- (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 _x	- total oxides of nitrogen
SO ₂	- sulfur dioxide
PM	- total particulate matter, suspended in the atmosphere, including PM ₁₀ and PM _{2.5} , as represented
PM ₁₀	- total particulate matter equal to or less than 10 microns in diameter, including PM _{2.5} , as represented
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
VCM	- vinyl chloride monomer
- (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.
- (6) The maximum allowable total VOC emission rates include the allowable HAP emissions.
- (7) The maximum allowable total VOC emission rates include the allowable VCM and non-VCM HAP emissions.

Date: March 18, 2016