

Emission Sources - Maximum Allowable Emission Rates

Permit Number 18505 and PSDTX878M1

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)
BLR1, BLR2, BLR3, BLR4, BLR5 and BLR6	Boiler 1 – 25.1 MMBtu/hr Boiler 2 – 25.1 MMBtu/hr Boiler 3 – 25.1 MMBtu/hr Boiler 4 – 25.1 MMBtu/hr Boiler 5 – 33.5 MMBtu/hr Boiler 6 – 33.5 MMBtu/hr	NO _x	23.90	73.31
		CO	14.10	61.59
		VOC (9)	1.60	4.31
		PM	2.40	6.63
		PM ₁₀	2.40	6.63
		PM _{2.5}	2.40	6.63
		SO ₂	39.10	51.63
		n-pentane	5.20	14.49
EPS 9, 10, 11, 12, 13, 14, 17, 18, 21, 22, 25, 26, 27, 28, and 29	Expanded Polystyrene (EPS) Container Manufacturing building Stacks	n-pentane (Daytime)	156.60	---
		n- pentane (Nighttime)	119.90	---
		n- pentane	---	436.00
		Isopropyl Alcohol	4.40	19.00
		VOC	0.20	0.50
DIF 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, and 41	Direct Injection (DI) Foam Manufacturing Building Stacks	Styrene	0.36	1.60
		Isopentane (8)	17.60	76.90
		Butane (8)	14.51	63.54
DIF 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, and 41	Direct Injection (DI) Foam Manufacturing Building Stacks	Butane (10)	14.96	0.20
WH1 through 29 and EW 1 through 16	Warehouse Building 2 and Warehouse Building 3	n-pentane	116.00	381.50
		Isopentane (8)	2.80	12.30
		Butane (8)	11.62	77.10
RTO 1 Project Number: 294251	Regenerative Thermal Oxidizer No. 1 2.71 MMBtu/hr	NO _x	0.27	1.19
		CO	0.23	1.00
		VOC (9)	0.03	0.13
		PM (9)	0.02	0.09
		PM ₁₀ (9)	0.02	0.09

Emission Sources - Maximum Allowable Emission Rates

		PM _{2.5} (9)	0.02	0.09
		SO ₂	<0.01	<0.01
		n-butane	1.90	8.10
		PM	<0.01	0.03
		PM ₁₀	<0.01	0.03
		PM _{2.5}	<0.01	0.03
All EPNs	All Sources at Site	Single HAP	---	<10
		Total HAP	---	<25

- (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
- SO₂ - sulfur dioxide
- PM - total particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}, as represented
- PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
- PM_{2.5} - 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) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Emission rates include planned maintenance, startup and shutdown activities except for the startup of the FDIN line.
- (7) Daytime is defined as 8:00 AM to 4:00 PM and Nighttime is defined as 4:00 PM to 8:00 AM.
- (8) Combined emission rates for all blowing agents shall not exceed 26.13 lb/hr and 114.43 tpy.
- (9) From products of combustion.
- (10) Hourly and annual emission rates from the startup of the FDIN Line with RTO-1 bypassed.

Date: August 8, 2019