

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

FINAL ALLOWABLES

Permit Number 34401

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. 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 *	
			lb/hr	TPY**
THE EMISSIONS SHOWN IN THIS TABLE REPRESENT THE PERMIT ALLOWABLES WITH BOTH LINE 1 AND LINE 2 IN OPERATION				
1	Additives Preparation Bagfilter	PM	0.08	0.01
3a	Regenerative Thermal Oxidizer	VOC	2.37	6.37
		NO _x	0.87	3.77
		CO	8.20	36.10
		SO ₂	0.03	0.10
		PM ₁₀	1.57	4.67
5	Process Fugitives (4)	VOC	1.18	5.17
6	Flare	VOC	40.73	10.81
		NO _x	1.39	1.28
		CO	11.90	10.97
		SO ₂	0.02	0.26
9	Cyclohexane Bottoms Loading	VOC	1.21	0.01

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ROUTINE MAINTENANCE, STARTUP, AND SHUTDOWN EMISSIONS

6a	Flare	VOC	12.96	0.02
		NO _x	0.84	0.01
		CO	7.17	0.01
FUG-MAINT	Maintenance Fugitives	Cyclohexane	1.53	0.11
		Butadiene	0.01	0.01
		Isopropene	0.03	0.01
		Styrene	0.90	0.01

SOURCES COVERED UNDER PERMITS BY RULE OR STANDARD PERMIT

The following sources are covered under Permits by Rule or Standard Permit and are not authorized under this permit. They are listed on this table for reference only.

3a	Regenerative Thermal Oxidizer (5)	PM	0.02	0.03
		PM ₁₀	0.01	0.02
3a	Regenerative Thermal Oxidizer (6)	VOC	0.01	0.01
		NO _x	0.17	0.75
		CO	0.29	1.26
		SO ₂	0.01	0.01
		PM ₁₀	0.18	0.69
11	Fire Water Pump	VOC	0.74	0.02
		NO _x	9.30	0.24
		CO	2.00	0.01
		SO ₂	0.60	0.02
		PM ₁₀	0.66	0.02
12	Parts Washer	VOC	0.11	0.01

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- (1) Emission point identification - either specific equipment designation or emission point number (EPN) from a plot plan.
- (2) Specific point source names. For fugitive sources, use an 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
 - CO - carbon monoxide
 - SO₂ - sulfur dioxide
 - PM - particulate matter, suspended in the atmosphere, including PM₁₀ and PM_{2.5}
 - PM₁₀ - particulate matter equal to or less than 10 microns in diameter
 - PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) These emissions from Regenerative Thermal Oxidizer (EPN 3a) are covered under Permits by Rule Registration Number 76451 and are in addition to the routine emissions from EPN 3a shown above and the emissions associated with Footnote 6.
- (6) These emissions from Regenerative Thermal Oxidizer (EPN 3a) are covered under Standard Permit Registration Number 72965 and are in addition to the routine emissions from EPN 3a shown above and the emissions associated with Footnote 5.

* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

_____Hrs/day _____Days/week _____Weeks/year or 8,760
Hrs/year

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated June 25, 2010