

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 7824A

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
PEHEXTRVN	Extruder	VOC	2.10	3.20
		PM	0.22	0.98
PERTOST	Thermal Oxidizer	VOC	1.79	4.12
		PM	0.04	0.18
		SO ₂	0.08	0.33
		NO _x	0.32	0.93
		CO	0.19	0.96
PE001FL	LDPE Flare	VOC	19.90	10.14
		SO ₂	<0.01	<0.01
		NO _x	2.62	1.43
		CO	5.22	2.85
PE001FE	Process Fugitives (4)	VOC	72.20	316.00
PEWAXFE	Wax Blowdown	VOC	9.00	0.38
PEINITVN	Initiator/Mix Building	VOC	<0.01	<0.01
PE001LR	Naphtha Loading	VOC	34.92	0.55
PKGWH	Packaging Warehouse	PM	5.12	22.40
PESILOVN	Storage Silos	VOC	9.00	19.00
		PM	3.14	17.10
PE043TK	Waste Oil Tank	VOC	0.25	0.02
PE046TK	Waste Oil Tank	VOC	0.25	0.01

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
PE102ATK	Lube Oil Tank	VOC	0.007	<0.01
PE102BTK	Lube Oil Tank	VOC	0.007	<0.01
PE102CTK	Lube Oil Tank	VOC	0.007	<0.01
PE102DTK	Lube Oil Tank	VOC	0.007	<0.01
PE208TK	IPA Tank	VOC	5.77	0.23
PE220TK	Heptane Tank	VOC	0.08	0.1
PE915TK	Naphtha Tank	VOC	72.00	1.55
PE922TK	Naphtha Tank	VOC	72.00	1.54
PE104VATK	Vinyl Acetate Tank	VOC	0.20	0.40
PEDRUMFE	Drum Fugitives	VOC	1.75	0.02
PE002FE	Naphtha Wash Vats	VOC	73.80	2.50
PO001LR	Waste Oil Loading	VOC	0.01	<0.01
PE104AAN	Analyzer Vent	VOC	0.008	0.034
PE104BAN	Analyzer Vent	VOC	0.008	0.036
PE104CAN	Analyzer Vent	VOC	0.004	0.02
PE104DAN	Analyzer Vent	VOC	0.004	0.02

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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
PM - particulate matter, suspended in the atmosphere, including PM₁₀
PM₁₀ - particulate matter equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

* 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

Dated October 31, 2006