

Emission Sources - Maximum Allowable Emission Rates

Permit Number 1506

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)
B-4	B-4 Bin	Al	0.10	0.04
		AlCl ₃	0.25	0.14
		PM ₁₀	0.25	0.14
B-41	B-41 Bin	AlCl ₃	0.25	0.25
		I ₂	0.10	0.04
		PM ₁₀	0.25	0.25
B-81	B-81 Bin	AlCl ₃	0.25	0.25
		I ₂	0.01	0.04
		PM ₁₀	0.25	0.25
		ZnCl ₃	0.02	0.05
B-82	B-82 Bin	Al	0.10	0.04
		AlCl ₃	0.25	0.14
		PM ₁₀	0.25	0.14
SF-1	Flare (6)	CO	0.55	0.80
		HCl	0.12	0.42
		NO _x	0.28	0.40
		SO ₂	0.01	0.01
		VOC	1.91	2.84
ST-1	DEAC/EASC Atmospheric Vent	VOC (7)	0.47	0.17
		C ₂ H ₅ Cl	0.47	0.17
T-11	T-11 Slurry Tank	Al	0.10	0.02
T-511	T-511 Slurry Tank	Al	0.10	0.02
TK-93	Storage Tank	VOC	0.01	0.01
F-U-C	Process Fugitives (5)	VOC	0.62	2.70
F-U-D	Process Fugitives (5)	VOC	0.20	0.88
F-U-TK30	Process Fugitives (5)	VOC	0.02	0.07

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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)

Al	- aluminum dust
AlCl ₃	- aluminum chloride
C ₂ H ₅ Cl	- chloroethane
CO	- carbon monoxide
HCl	- hydrogen chloride
I ₂	- iodine
NO _x	- total oxides of nitrogen
PM ₁₀	- total 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.
SO ₂	- sulfur dioxide
VOC	- volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
ZnCl ₃	- zinc chloride
- (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) Emissions attributable to facilities under Permit Number 1506 only.
- (7) The VOC emission rates include the chloroethane emission rates which follow under EPN ST-1.

Date: May 30, 2018