

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 32801

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)	<u>Emission Rates *</u>	
			<u>lb/hr</u>	<u>TPY**</u>
CARB01	Carbon Bed-Blend/Drum	VOC	0.67	0.05
CARB02	Carbon Bed-Storage	VOC	7.61	0.05
F-1	Plant Fugitives (4)	NaOCl	0.01	0.02
		Cl ₂	0.01	0.01
S-1	Scrubber	Cl ₂	0.01	0.01
F-2	Plant Fugitives (4)	Cl ₂	0.03	0.13
MTCE	Pump Maintenance	VOC	2.00	0.01
AL-1	Off Loading of Tri-Hydrate	PM	0.63	0.04
AL-2	Off Loading of Tri-Hydrate	PM	0.37	0.19
AL-3	Tri-hydrate Fugitive	PM	0.01	0.01
AL-4	Off Loading of Bauxite	PM	0.63	0.11
AL-5	Bauxite Hammer Mill	PM	3.33	0.56
101	Hammer Mill Bag House	PM	0.17	0.75
100	Bauxite Fugitives	PM	0.01	0.01

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BOILER01	Dryback Boiler	NO _x	0.01	0.01
		CO 0.01	0.02	
		VOC 0.01	0.01	
		PM 0.01	0.01	

(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 by Title 30 Texas Administrative Code § 101.1

NaOCl - sodium hypochlorite

Cl₂ - chlorine

CO - carbon monoxide

NO_x - nitrogen oxides

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.

(4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions and permit application representations.

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

24 Hrs/day 7 Days/week 52 Weeks/year

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

Dated October 31, 2007