

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 9626

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
RDL-1	Spray Dryer No. 1 (5)	PM ₁₀ (4)	0.46	0.93
		SiO ₂ (4)	<0.01	<0.01
		Na ₂ SO ₄ (4)	0.06	0.12
		NO _x	0.77	1.54
		CO	1.11	2.22
		formic acid	0.09	0.19
		Other VOC	0.01	0.01
		SO ₂	<0.01	<0.01
RDL-2	Spray Dryer No. 2 (5)	PM ₁₀ (4)	0.46	0.93
		SiO ₂ (4)	<0.01	<0.01
		Na ₂ SO ₄ (4)	0.06	0.12
		NO _x	0.77	1.54
		CO	1.11	2.22
		formic acid	0.09	0.19
		Other VOC	0.01	0.01
		SO ₂	<0.01	<0.01
RDL-3	Ammonia Scrubber	PM ₁₀ (4)	0.46	0.70
		SiO ₂ (4)	<0.01	<0.01
		Na ₂ SO ₄ (4)	0.02	0.03
		NO _x	3.96	2.97
		NH ₃	0.04	0.03
RDL-5	Steam Boiler	PM ₁₀	<0.01	0.01
		NO _x	0.05	0.20
		CO	<0.01	0.04
		VOC	<0.01	0.01

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission * Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates	
			lb/hr	TPY
		SO ₂	<0.01	<0.01
RDL-6	Caustic Scrubber (5)	PM ₁₀ (4)	0.09	0.19
		SiO ₂ (4)	<0.01	<0.01
		Na ₂ SO ₄ (4)	0.01	0.02
		NO _x	1.54	3.08
		CO	4.92	9.83
		formic acid	0.08	0.16
		Other VOC	0.01	0.02
		SO ₂	<0.01	<0.01
RDL-7	Dust Collection System	PM ₁₀ (4)	<0.001	0.002
		SiO ₂ (4)	<0.001	0.002
		Na ₂ SO ₄ (4)	<0.001	<0.001
		NO _x	1.54	3.08
		CO	1.01	3.936
		formic acid	0.08	0.33
		Other VOC	0.09	0.02
		SO ₂	<0.01	<0.001

(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) PM₁₀ - particulate matter (PM) equal to or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.

SiO₂ - silicon oxide (crystalline quartz)

Na₂SO₄ - sodium sulfate

NO_x - total oxides of nitrogen

CO - carbon monoxide

SO₂ - sulfur dioxide

NH₃ - ammonia

VOC - volatile organic compounds as defined in 30 Texas

Permit No. 9626
Page 3

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>

Administrative Code Section 101.1

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

- (4) Overall PM₁₀ emission rates include SiO₂ and Na₂SO₄ emission rates.
(5) Emissions from Spray Dryer Nos. 1 and 2 can be vented through the caustic scrubber or dust collector depending upon process conditions as defined in confidential application submittals dated May 21 and July 16, 1999.

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

8,760 Hrs/year

Dated_____