

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. S-9799A

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	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>
1	BL-1001 Boiler (a)	PM10	0.18	0.77
		VOC	0.10	0.43
		NOx	4.91	21.54
		CO	1.23	5.38
		SO2	0.02	0.09
2	BL-1002 Boiler (a)	PM10	0.18	0.77
		VOC	0.10	0.43
		NOx	4.91	21.54
		CO	1.23	5.38
		SO2	0.02	0.09
3	BL-1003 Boiler (a)	PM10	0.21	0.94
		VOC	0.20	0.86
		NOx	3.43	15.03
		CO	5.58	24.43
		SO2	0.03	0.11
4	CT-1001 Cooling Tower (a)	PM10	0.10	0.42
5	CT-1002 Cooling Tower (a)	PM10	0.12	0.53
7	DC-102 Fabric Filter (b)	PM10	0.03	0.13
901	BG-101GR Fabric Filter (b)	PM10	1.56	6.85
902	BG-101AH Fabric	PM10	0.17	0.74

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

	Filter (c)			
13	DC-752 Fabric Filter (d)	PM10	0.05	0.20
14	Carbon Adsorption Unit (a)	VOC	0.26	1.14

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>
15	T-902 Beer Well (a)	Ethanol	0.43	1.88
16	T-903 Beer Well (a)	Ethanol	0.62	2.70
17	GS-1301 Fabric Filter (d)	PM10	0.97	4.26
24	BG-102 Fabric Filter (c)	PM10	0.17	0.74
29	F-701 Fabric Filter (e)	PM10	0.10	0.44
32	T-1403 Storage Tank (a)	H2SO4	<0.01	<0.01
33	T-1407 Storage Tank (a)	H2SO4	<0.01	<0.01
1001	Pumps, Valves and Flange Fugitives (a)	Ethanol	0.03	0.15
1002	Pumps, Valves and Flange Fugitives (a)	Ethanol	0.03	0.15
1003	Pumps, Valves and	Ethanol	0.07	0.31

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Flange Fugitives (a)

5001	Storage Tanks (a)	Ethanol	0.07	0.29
5002	Storage Tanks (a)	VOC	0.16	0.71

- (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)
 - TSP - total suspended particulate matter, including PM10
 - PM10 - particulate matter less than 10 microns
 - VOC - volatile organic compounds as defined in General Rule 101.1
 - NOx - total oxides of nitrogen
 - CO - carbon monoxide
 - SO2 - sulfur dioxide
 - H2SO4 - sulfuric acid
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (a) Emission rates are based on and the facilities are limited to an operation schedule of 8,760 hours per year.
- (b) Emission rates are based on and the facilities are limited to an hourly throughput of 30 tons and an annual throughput of 262,800 tons of grain.
- (c) Emission rates are based on and the facilities are limited to an hourly throughput of 34 tons and an annual throughput of 298,000 tons of commodities.
- (d) Emission rates are based on and the facilities are limited to an hourly throughput of 10 tons and an annual throughput of 85,200 tons of commodities.
- (e) Emission rates are based on and the facilities are limited to an hourly throughput of 8 tons and an annual throughput of 71,000 tons of lime.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Revised _____