EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 40299

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	Emission Rates TPY
D1	Blood Dryer (b)	PM/PM_{10}	0.06	0.28
	8.7 MMBtu Burner	VOC	0.05	0.20
	(Natural Gas-Fired)	NO_x	0.83	3.63
		CO	0.70	3.05
		SO_2	0.12	0.54
S1	Blood Dryer Scrubber (b)	PM/PM_{10}	1.57	6.87
	Blood Silo Bagfilter (b)	PM/PM_{10}	0.02	0.09
S2	Plant Air Scrubber Stack (e)	PM/PM_{10}	0.62	2.72
		VOC	2.71	11.88
		NO_x	0.13	0.55
		CO	0.09	0.38
		SO_2	0.24	1.05
12	Meat and Bone Meal Bagfilter (b)	PM/PM_{10}	0.15	0.66
72	Dried Blood Bin Bagfilter (b)	PM/PM_{10}	0.03	0.15
30	Hi-Pro Shaker Bagfilter (b)	PM/PM_{10}	0.28	1.24
42	Lo-Pro Shaker Bagfilter (b)	PM/PM_{10}	0.08	1.24
76A	Loadout Bagfilter (b)	PM/PM_{10}	0.07	0.30

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4	Hi-Pro Cooler Cyclone (b)	PM/PM_{10}	2.14	9.39
	Dried Blood Loadout (c)	PM	2.25	0.18
		PM_{10}	1.13	0.09
	Gel Bone Loadout (d)	PM	2.79	0.30
		PM_{10}	1.40	0.15
	Bone Meal Loadout (e)	PM	4.95	2.66
		PM_{10}	2.48	1.33
B1	21 MMBtu Boiler (b)	PM/PM_{10}	0.23	1.0
	Boiler No. 1	VOC	0.17	0.7
		NO_x	3.00	13.1
		CO	2.52	11.0
		SO_2	13.41	58.7
		H_2S	0.06	0.3
B2	21 MMBtu Boiler (b)	PM/PM_{10}	0.23	1.0
	Boiler No. 2	VOC	0.17	0.7
		NO_x	3.00	13.1
		CO	2.52	11.0
		SO_2	13.41	58.7
		H_2S	0.06	0.3
B3	21 MMBtu Boiler (b)	PM/PM_{10}	0.23	1.0
	Boiler No. 3	VOC	0.17	0.7
		NO_x	3.00	13.1
		CO	2.52	11.0
		SO_2	13.41	58.7
		H_2S	0.06	0.3
B4	21 MMBtu Boiler (b)	PM/PM_{10}	0.23	1.0

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates lb/hr	Emission Rates TPY
	Boiler No. 4	VOC	0.17	0.7
		NO_x	3.00	13.1
		CO	2.52	11.0
		SO_2	13.41	58.7
		H_2S 0.06	0.3	
B5	25.2 MMBtu Boiler (b)	PM/PM_{10}	0.18	0.80
	Boiler No. 5	VOC	0.13	0.58
	(Natural Gas-Fired)	NO_x	2.40	10.51
		CO	2.02	8.83
		SO_2	0.36	1.58
B6	42 MMBtu Boiler (b)	PM/PM_{10}	0.30	1.33
	Boiler No. 6	VOC	0.22	0.96
	(Natural Gas-Fired)	NO_x	2.00	8.76
		CO	3.36	14.72
		SO_2	0.60	2.63
D2	Bone Dryer Cyclone (b)	PM/PM_{10}	3.50	15.33
	30 MMBtu Burner	VOC	0.16	0.69
	(Natural Gas-Fired)	NO_x	2.86	12.51
		CO	2.40	10.51
		SO_2	0.43	1.88
F1	Emergency Flare (a)	PM/PM_{10}	0.46	0.20
		VOC	6.66	2.92
		NO_x 3.24	1.42	
		CO 17.61	7.71	
		SO_2 12.89	5.64	
		H_2S 0.07	0.03	

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(1) Emission point identification - either specific equipment designation or emission point number from a plot plan.
(2) Specific point source names. For fugitive sources use area name or fugitive source name.
(3) PM - particulate matter, suspended in the atmosphere, including PM_{10}
PM_{10} - particulate matter 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.
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1
NO_x - total oxides of nitrogen
CO - carbon monoxide
SO_2 - sulfur dioxide
H_2S - hydrogen sulfide

(a) Emission rates are based on and the facilities are limited to an operating schedule of 876 hours/year.

(b) Emission rates are based on and the facilities are limited to an operating schedule of 8,760 hours/year.

(c) Emission rates are based on and the facilities are limited to an hourly throughput of 50 tons and an annual throughput of 7,990 tons of dried blood.

(d) Emission rates are based on and the facilities are limited to an hourly throughput of 62 tons and an annual throughput of 13,500 tons of processed gel bone.

(e) Emission rates are based on and the facilities are limited to an hourly throughput of 55 tons and an annual throughput of 59,000 tons of bone meal.

Dated December 12, 2005