

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 84349

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 (5)
EP1	Boiler No. 1 (26.67 MMBtu/hr) (natural gas or tallow)	PM <sub>10</sub>	0.69	1.28
		PM <sub>2.5</sub>	0.69	1.28
		SO <sub>2</sub>	0.30	0.31
		NO <sub>x</sub>	4.17	12.52
		CO	2.13	9.32
		VOC	0.14	0.61
		Odors (4)	--	--
EP2	Boiler No. 2 (26.67 MMBtu/hr) (biogas or natural gas)	PM <sub>10</sub>	0.22	0.96
		PM <sub>2.5</sub>	0.22	0.96
		SO <sub>2</sub>	4.68	18.39
		NO <sub>x</sub>	2.92	12.59
		CO	2.45	10.57
		VOC	0.16	0.69
		Odors (4)	--	--
EP3	Boiler No. 3 (26.67 MMBtu/hr) (natural gas or tallow)	PM <sub>10</sub>	0.69	1.28
		PM <sub>2.5</sub>	0.69	1.28
		SO <sub>2</sub>	0.30	0.31
		NO <sub>x</sub>	4.17	6.48
		CO	2.13	9.32
		VOC	0.14	0.61
		Odors (4)	--	--

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EP4	3-Stage Packed-Bed Scrubber System (18 tph capacity cooker, two 9,000 cfm packed-bed scrubbers followed by a 100,000 cfm packed-bed room air scrubber)	Odors (4)	--	--
EP6	Meal Bin 1	PM <sub>10</sub>	0.02	0.09
		PM <sub>2.5</sub>	0.02	0.08
EP7	Meal Bin 2	PM <sub>10</sub>	0.02	0.09
		PM <sub>2.5</sub>	0.02	0.08
EP8	Truck Loadout	PM <sub>10</sub>	0.01	0.02
		PM <sub>2.5</sub>	<0.01	<0.01
EP9	Process Flare (Flare and Natural Gas Pilot)	H <sub>2</sub> S	0.03	0.02
		VOC	1.40	0.85
		NO <sub>x</sub>	0.64	0.40
		SO <sub>2</sub>	2.65	1.62

- (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 an area name or fugitive source name.
- (3) PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>.  
PM<sub>10</sub> - particulate matter equal to or less than 10 microns in diameter.  
PM<sub>2.5</sub> - particulate matter equal to or less than 2.5 microns in diameter.  
SO<sub>2</sub> - sulfur dioxide  
NO<sub>x</sub> - total oxides of nitrogen  
CO - carbon monoxide  
VOC - volatile organic compounds as defined in 30 Texas Administrative Code Section 101.1  
H<sub>2</sub>S - hydrogen sulfide
- (4) Odors shall be maintained at a minimal level.
- (5) Emission rates are based on an operating schedule of 8,736 hours per year. EP9 is based on an operating schedule of 2,184 hours per year for biogas combustion and 8,736 hours per year for the natural gas pilot.

Date: May 24, 2012