

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 31813

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 (4)	
			lbs/hour	TPY (4)
B-01	Plant Boiler No. 1	PM	0.39	--
		PM <sub>10</sub>	0.39	--
		SO <sub>2</sub>	3.34	--
		NO <sub>x</sub>	4.73	--
		CO	1.69	--
		VOC	0.11	--
B-02	Plant Boiler No. 2	PM	0.39	--
		PM <sub>10</sub>	0.39	--
		SO <sub>2</sub>	3.34	--
		NO <sub>x</sub>	4.73	--
		CO	1.69	--
		VOC	0.11	--
	Total Plant Boiler Operations	PM	--	1.40
		PM <sub>10</sub>	--	1.40
		SO <sub>2</sub>	--	6.76
		NO <sub>x</sub>	--	18.10
		CO	--	13.06
		VOC	--	1.02
P-01	Pile Cooling Fan No. 1	PM	0.86	--
		PM <sub>10</sub>	0.86	--

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P-02	Pile Cooling Fan No. 2	PM	0.86	--
		PM <sub>10</sub>	0.86	--
P-03	Pile Cooling Fan No. 3	PM	0.86	--
		PM <sub>10</sub>	0.86	--
P-04	Pile Cooling Fan No. 4	PM	0.86	--
		PM <sub>10</sub>	0.86	--
	Total Pile Cooling Fan Operations	PM	--	15.02
		PM <sub>10</sub>	--	15.02
F-01	Receiving	PM	2.98	0.85
		PM <sub>10</sub>	0.44	0.13
F-02	Pile Loading	PM	2.98	0.85
		PM <sub>10</sub>	0.44	0.13
F-03	Seed Transfer	PM	0.21	0.06
		PM <sub>10</sub>	0.05	0.02
P-11	Filter No. 1	PM	1.71	--
		PM <sub>10</sub>	1.71	--
P-12	Filter No. 2	PM	1.71	--
		PM <sub>10</sub>	1.71	--
P-13	Filter No. 3	PM	4.07	--
		PM <sub>10</sub>	4.07	--
P-14	Filter No. 4	PM	2.14	--
		PM <sub>10</sub>	2.14	--
P-15	Filter No. 5	PM	3.43	--
		PM <sub>10</sub>	3.43	--
P-16	Filter No. 6	PM	0.86	--

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		PM <sub>10</sub>	0.86	--
P-17	Filter No. 7	PM	0.86	--
		PM <sub>10</sub>	0.86	--
P-18	Filter No. 8	PM	0.86	--
		PM <sub>10</sub>	0.86	--
	Total Filter Operations	PM	--	68.52
		PM <sub>10</sub>	--	68.52
P-21	Meal Dryer/Cooler Cyclone Vent	PM	5.14	22.53
		PM <sub>10</sub>	5.14	22.53
		Hexane	14.70	35.28
P-22	Final Condenser Vent	Hexane	34.65	83.16
F-21	Extraction Plant	Hexane	33.60	80.64
P-31	Hull Storage Silo	PM	0.01	0.04
		PM <sub>10</sub>	<0.01	0.01
P-41	Meal Storage Silo	PM	0.01	0.06
		PM <sub>10</sub>	<0.01	0.02
P-51	Process Tank Vent No. 1	PM	<0.01	--
		PM <sub>10</sub>	<0.01	--
P-52	Process Tank Vent No. 2	PM	<0.01	--
		PM <sub>10</sub>	<0.01	--
P-53	Process Tank Vent No. 3	PM	<0.01	--
		PM <sub>10</sub>	<0.01	--
P-54	Process Tank Vent No. 4	PM	<0.01	--
		PM <sub>10</sub>	<0.01	--
P-55	Process Tank Vent No. 5	PM	<0.01	--

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		PM <sub>10</sub>	<0.01	--
P-56	Process Tank Vent No. 6	PM	<0.01	--
		PM <sub>10</sub>	<0.01	--
	Total Process Tank Vent Operations	PM	--	0.06
		PM <sub>10</sub>	--	0.02

- (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 in Title 30 Texas Administrative Code § 101.1
- NO<sub>x</sub> - total oxides of nitrogen
- SO<sub>2</sub> - sulfur dioxide
- PM - total particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</sub>, as represented
- PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented
- CO - carbon monoxide
- (4) Planned startup and shutdown emissions are included. Maintenance activities are not authorized by this permit.

Date: February 27, 2013