

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 80892

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 (4)
WBLR	Boiler 211 MMBtu/hr (approximately 3.8 MW) (6)	NO <sub>x</sub>	25.3	85
		CO	84.4	125
		SO <sub>2</sub>	585.0	189
		VOC	4.2	14.5
		PM	10.6	36
		PM (SS)	16.6	-
		PM <sub>10</sub>	10.6	36
		PM <sub>10</sub> (SS)	16.6	-
		PM <sub>2.5</sub>	10.6	36
		PM <sub>2.5</sub> (SS)	16.6	-
		H <sub>2</sub> SO <sub>4</sub>	26.8	5.8
		NH <sub>3</sub>	1.5	4
		HCl	12.13	9.01
		Pb	0.02	0.04
NG-FUG	Natural Gas Piping Fugitives (5)	VOC	0.01	0.02
LVST	Steam Turbine Lube Vent	VOC	0.04	0.02
T-ACID	Acid Storage Tank	H <sub>2</sub> SO <sub>4</sub>	0.01	0.01
T-NAOH	Caustic Storage Tank	NaOH	0.01	0.01
T-NH <sub>3</sub>	Ammonia Storage and Handling	NH <sub>3</sub>	0.03	0.13

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TRK-FUG and TRK-BAG	Truck Unloader/ Receiving and Baghouse	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
TR-1	Transfer of Wood Chips to Conveyor C- 1	PM	0.08	0.09
		PM <sub>10</sub>	0.01	0.01
TR-2	Transfer of Wood Chips from C-1 to C- 2	PM	0.08	0.09
		PM <sub>10</sub>	0.01	0.01
SCN1	Screening of Wood Chips	PM	0.07	0.07
		PM <sub>10</sub>	0.02	0.03
HOG1	Hogging of Wood Chips	PM	0.03	0.03
		PM <sub>10</sub>	0.02	0.02
TR3	Wood from Hogger and Screen to Conveyor C-3	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
TR4	Wood from Conveyor C-3 to C-4	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
TR5	Wood from Conveyor C-4 and C-9 to Conveyor C-5	PM	0.01	0.02
		PM <sub>10</sub>	0.01	0.01
STORE1	Chip Storage/ Reclaim	PM	0.04	0.14
		PM <sub>10</sub>	0.02	0.07
TR6	Wood from Storage to Fuel Reclaim Conveyor C-6	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
TR7	Wood from Storage to Boiler Feed Conveyor	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
TR8	Wood to Fuel Distribution Conveyor C-8	PM	0.01	0.01
		PM <sub>10</sub>	0.01	0.01
TR9	Wood to Fuel Overfeed Conveyor C-9	PM	0.01	0.01

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		PM <sub>10</sub>	0.01	0.01
MSS-FUG	General MSS Emissions (7)	NO <sub>x</sub>	<0.01	<0.01
		CO	<0.01	<0.01
		PM	0.26	<0.01
		PM <sub>10</sub>	0.26	<0.01
		PM <sub>2.5</sub>	0.26	<0.01

- (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) NO<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
CO - carbon monoxide  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub> and PM<sub>2.5</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  
H<sub>2</sub>SO<sub>4</sub> - sulfuric acid mist  
NaOH - sodium hydroxide  
NH<sub>3</sub> - ammonia  
HCl - hydrogen chloride  
Pb - lead
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period. Annual emission rates for EPN WBLR include planned startup and shutdown emissions.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) Planned startup and shutdown (SS) lbs/hr emissions for all pollutants are authorized even if not specifically identified as SS. During any clock hour that includes one or more minutes of planned SS activities, that pollutant's maximum hourly emission rate shall apply during that clock hour. This limit only applies for up to two clock hours after startup.
- (7) Inherently low emitting (ILE) activities

Date: December 12, 2013