

# 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. 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	TPY**
BOILER - NORMAL OPERATIONS EMISSIONS				
WBLR	Boiler 211 MMBtu/hr (approximated 3.8 MW)	NO <sub>x</sub>	25.3	85
		CO	84.4	248
		SO <sub>2</sub>	585.0	236
		VOC	4.2	14.5
		PM/PM <sub>10</sub>	10.6	36
		H <sub>2</sub> SO <sub>4</sub>	26.8	7.2
		NH <sub>3</sub>	1.5	4
		HCl	30.0	42
		Pb	0.02	0.04
NG-FUG	Natural Gas Piping Fugitives	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-Urea	Urea Storage and Handling	Urea	0.72	0.98
		NH <sub>3</sub>	0.01	0.01
TRK-FUG	Truck Unloader/Receiving	PM	0.03	0.04
		PM <sub>10</sub>	0.03	0.04
TR1	Transfer of Wood Chips to Conveyor C-1	PM	0.08	0.09
		PM <sub>10</sub>	0.01	0.01
TR2	Transfer of Wood Chips from C-1 to C-2	PM	0.08	0.09
		PM <sub>10</sub>	0.01	0.01

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			lb/hr	TPY**
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 C-7	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
		PM <sub>10</sub>	0.01	0.01

(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) NO<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

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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. Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.

H<sub>2</sub>SO<sub>4</sub> - sulfuric acid mist

NaOH - sodium hydroxide

NH<sub>3</sub> - ammonia

Pb - lead

(4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

\* Emission rates are based on and the facilities are limited by the following maximum operating schedule:

\_\_\_\_Hrs/day \_\_\_\_Days/week \_\_\_\_Weeks/year or 8,760 Hrs/year

\*\* Compliance with annual emission limits is based on a rolling 12-month period.

Dated August 9, 2007