

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 48786

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)
S-02	Chip Truck-Loading Cyclone Stack	PM	2.06	9.02
		PM <sub>10</sub>	1.03	4.51
S-03	Fuel House Cyclone Stack	PM	1.54	6.75
		PM <sub>10</sub>	0.77	3.37
S-06	Boiler 1 Stack (ESP)	VOC*	5.47	23.96
		NO <sub>x</sub> **	20.12	85.17
		SO <sub>2</sub>	4.02	17.62
		PM	16.82	73.65
		PM <sub>10</sub>	13.16	57.62
		PM <sub>2.5</sub>	11.89	52.07
		CO	96.55	422.90
		NH <sub>3</sub>	1.05	4.62
		C <sub>6</sub> H <sub>6</sub>	0.59	2.59
		HCHO	1.40	6.13
		HCl	0.65	2.85
		MeOH	0.26	1.13
		Styrene	0.34	1.48
S-08-A	Dryer No. 1 Exhaust Stack	PM	--	--
		PM <sub>10</sub>	--	--
		VOC	--	--

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S-08-B	Dryer No. 1 Exhaust Stack	PM	--	--
		PM <sub>10</sub>	--	--
		VOC	--	--
S-08-C	Dryer No. 1 Exhaust Stack	PM	--	--
		PM <sub>10</sub>	--	--
		VOC	--	--
S-09-A	Dryer No. 2 Exhaust Stack	PM	--	--
		PM <sub>10</sub>	--	--
		VOC	--	--
S-09-B	Dryer No. 2 Exhaust Stack	PM	--	--
		PM <sub>10</sub>	--	--
		VOC	--	--
S-09-C	Dryer No. 2 Exhaust Stack	PM	--	--
		PM <sub>10</sub>	--	--
		VOC	--	--
S-10-A	Dryer No.3 Exhaust Stack	PM	--	--
		PM <sub>10</sub>	--	--
		VOC	--	--
S-10-B	Dryer No.3 Exhaust Stack	PM	--	--
		PM <sub>10</sub>	--	--
		VOC	--	--
S-10-C	Dryer No.3 Exhaust Stack	PM	--	--
		PM <sub>10</sub>	--	--
		VOC	--	--
	Total Dryer Emissions	PM	39.95	136.50

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		PM <sub>10</sub>	27.50	93.97
		VOC	186.22	636.21
V-01	Press No. 1 Vent	PM	--	--
		PM <sub>10</sub>	--	--
		VOC	--	--
V-02	Press No. 2 Vent	PM	--	--
		PM <sub>10</sub>	--	--
		VOC	--	--
V-03	Press No. 3 Vent	PM	--	--
		PM <sub>10</sub>	--	--
		VOC	--	--
	Total Press Emissions	PM	26.39	82.06
		PM <sub>10</sub>	11.10	34.53
		VOC	34.86	108.42
		HCHO	0.96	2.99
S-11	Sander Baghouse Stack	PM	2.43	10.64
		PM <sub>10</sub>	2.43	10.64
S-12	Dry Waste Baghouse Stack	PM	1.08	4.73
		PM <sub>10</sub>	1.08	4.73
FUG 1	Ring Debarker (5)	PM	1.99	8.76
		PM <sub>10</sub>	1.99	8.76
FUG 4	Hot Water Vats (5)	VOC	14.00	1.32
FUG 5	Log Storage and Handling (5)	PM#	<0.01	<0.01
		PM <sub>10</sub> #	<0.01	<0.01
FUG 6	MTL Saw (5)	PM	12.60	38.06

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		PM <sub>10</sub>	12.60	38.06
FUG 7	Spray Glue Line (5)	VOC	3.13	13.84
FUG 8	Shaker Screen ##(5)	PM	<0.01	<0.01
		PM <sub>10</sub>	<0.01	<0.01
S-13	Urea Storage Tank	Urea	0.35	0.01
<b>Standard Permit (SP) sources incorporated by reference. Sources remain authorized by the SP(s) as listed below:</b>				
Standard Permit No. 92897 authorizing the use of natural gas-fired temporary boiler during modification of Boiler 1(Issued July 26, 2010)				
S-TEMPBLR + MSS	80 MMBtu/hr Temporary Boiler	VOC###	4.74	4.08
		NO <sub>x</sub> ###	10.88	10.37
		SO <sub>2</sub>	2.24	4.84
		PM	0.60	1.29
		PM <sub>10</sub>	0.60	1.29
		PM <sub>2.5</sub>	0.60	1.29
		CO###	32.52	27.94
FUG-NGTEMP	Temporary Equipment Leak Fugitives (5)	VOC	0.03	0.07

- (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) Exempt Solvent - Those carbon compounds or mixtures of carbon compounds used as solvents which have been excluded from the definition of volatile organic compound.
  - 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

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- |                               |   |   |
|-------------------------------|---|---|
| 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                   |
| PM <sub>2.5</sub>             | - | particulate matter equal to or less than 2.5 microns in diameter  |
| CO                            | - | carbon monoxide   |
| HAP                           | - | hazardous air pollutant as listed in § 112(b) of the Federal Clean Air Act or Title 40 Code of Federal Regulations Part 63, Subpart C |
| NH <sub>3</sub>               | - | ammonia   |
| C <sub>6</sub> H <sub>6</sub> | - | benzene   |
| HCHO                          | - | formaldehyde  |
| HCl                           | - | hydrochloric acid   |
| MeOH                          | - | methanol  |
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- \* VOC emissions associated with EPN S-06 as carbon basis.
- \*\* NO<sub>x</sub> short-term compliance demonstration on 3-hour averaging basis.
- # Best management practices and water sprays on logs will eliminate fugitive dust emissions.
- ## Material is wet (50 percent moisture) and large particles.
- ### Hourly emissions which are the sum of those from MSS and production operations as follows: VOC (4.31 lb/hr - MSS and 0.43 lb/hr - production); NO<sub>x</sub> (8.00 lb/hr - MSS and 2.88 lb/hr - production); and CO (29.56 lb/hr - MSS and 2.96 lb/hr - production). On a short-term (hourly basis), only the production operation or MSS emission rate is valid. The annual emission rates include production operation and MSS operations.

Date: \_\_\_\_\_