

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 81706

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
LBLR01	Boiler (Operated as a wood-fired stove) (5) for Normal Operations and MSS Activities	NO <sub>x</sub>	51.95	212.97
		CO	51.95	212.97
		SO <sub>2</sub>	17.32	70.99
		VOC	6.93	28.40
		Pb	0.03	0.14
		H <sub>2</sub> SO <sub>4</sub>	0.04	0.16
		PM/PM <sub>10</sub> /PM <sub>2.5</sub> (total)	17.32	70.99
		PM/PM <sub>10</sub> /PM <sub>2.5</sub> (filterable)	8.31	34.08
		NH <sub>3</sub>	8.03	32.94
		HCl	1.18	4.83
		Chlorine	0.55	2.24
		HAP	1.72	7.07
LBLR01	Boiler (Operated as a natural gas fired only Boiler) (5) ) for Normal Operations and MSS Activities	NO <sub>x</sub>	6.94	26.02
		CO	25.57	98.80
		CO (7)	45.00	--
		SO <sub>2</sub>	0.41	1.53
		VOC	3.73	14.00
		H <sub>2</sub> SO <sub>4</sub>	0.01	0.02
		PM/PM <sub>10</sub> /PM <sub>2.5</sub> (total)	5.16	19.35
		PM/PM <sub>10</sub> /PM <sub>2.5</sub> (filterable)	1.29	4.84

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		NH <sub>3</sub>	3.11	11.18
		HAP	1.28	4.81
LTU01	Truck Unloader 1 (6)	PM	0.04	0.04
		PM <sub>10</sub>	0.02	0.02
LTU02	Truck Unloader 2 (6)	PM	0.04	0.04
		PM <sub>10</sub>	0.02	0.02
LSCRN01	Disk Screen and Hammer Mill (Same EPN) (6)	PM	0.03	0.02
		PM <sub>10</sub>	0.01	0.01
		PM <sub>2.5</sub>	0.01	0.01
LMHFUG01	Wood Conveying (6)	PM	0.23	0.21
		PM <sub>10</sub>	0.08	0.07
		PM <sub>2.5</sub>	0.03	0.02
LTK01	Diesel Fuel Storage Tank 1	VOC	0.05	0.01
LFP01	Diesel Dispensing Fuel Pump 1 (6)	VOC	0.01	0.01
LCLTFUG01	Cooling Tower (6)	PM	1.23	5.38
		PM <sub>10</sub>	0.44	1.97
		PM <sub>2.5</sub>	0.02	0.02
LMHFUG02	Wood Storage Pile 1 (6)	PM	0.25	0.80
		PM <sub>10</sub>	0.12	0.38
LMHFUG04	Wood Storage Pile 2 (6)	PM	0.25	0.80
		PM <sub>10</sub>	0.12	0.38
LMHFUG03	Ash Collection and Conveying (6)	PM	0.06	0.25
		PM <sub>10</sub>	0.03	0.09
		PM <sub>2.5</sub>	0.01	0.02
LTK06	Fly Ash Storage Silo	PM	0.02	0.09

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		PM <sub>10</sub>	0.02	0.09
		PM <sub>2.5</sub>	0.02	0.09
		HAP	0.01	0.02
LMH05	Fly Ash Loading (6)	PM	0.16	0.04
		PM <sub>10</sub>	0.16	0.04
		PM <sub>2.5</sub>	0.16	0.04
		HAP	0.03	0.01
LSTV01	Lubricating Oil Vent	PM	0.03	0.11
		PM <sub>10</sub>	0.03	0.11
		PM <sub>2.5</sub>	0.03	0.11
		VOC	0.03	0.11
LTK07	Ammonia Solution Storage	NH <sub>3</sub>	0.03	0.11
VOC-FUG	Natural Gas Piping Fugitives	VOC	0.01	0.04
MSS-FUG	MSS-Related Fugitives	NO <sub>x</sub>	0.01	0.01
		CO	0.05	0.01
		VOC	857.64	1.39
		PM	6.72	1.35
		PM <sub>10</sub>	5.30	1.14
		PM <sub>2.5</sub>	3.44	0.86
		NH <sub>3</sub>	0.01	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  
VOC - volatile organic compounds as defined in Title 30 Texas Administrative Code § 101.1  
HCl - hydrogen chloride  
NH<sub>3</sub> - ammonia  
H<sub>2</sub>SO<sub>4</sub> - sulfuric acid mist  
Pb - lead

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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>
PM <sub>10</sub>	- total particulate matter equal to or less than 10 microns in diameter, including PM <sub>2.5</sub>
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

- (4) The pound per hour and ton per year emission limits specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities, unless otherwise noted. For each pollutant whose emissions during planned MSS activities are measured using a CEMS, the MSS lb/hr limits apply only during each clock hour that includes one or more minutes of MSS activities. During all other clock hours, the normal lb/hr limits apply.
- (5) Main boiler (EPN LBLR01) Emission Rates in lb/hr for NO<sub>x</sub>, CO, PM/PM<sub>10</sub>/PM<sub>2.5</sub> (total), PM/PM<sub>10</sub>/PM<sub>2.5</sub> (filterable), and VOC are rolling 30-day averages. Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (6) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (7) MSS hourly emission limit only.

Date: September 19, 2014