

# Emission Sources - Maximum Allowable Emission Rates

Permit Number 1532

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)
Firing Natural Gas Only				
CB1 (7)(8)(9)	Unit 1	NO <sub>x</sub> (6)	2,020	8,847
		SO <sub>2</sub>	112	709
		PM	40	644
		PM <sub>10</sub>	40	644
		PM <sub>2.5</sub>	40	644
		CO(6)	5,600	10,512
		VOC	11	65
		NH <sub>3</sub> (6)	36	158
CB2 (7)(8)(9)	Unit 2	NO <sub>x</sub> (6)	2,020	8,847
		SO <sub>2</sub>	112	709
		PM	40	644
		PM <sub>10</sub>	40	644
		PM <sub>2.5</sub>	40	644
		CO(6)	5,600	10,512
		VOC	11	65
		NH <sub>3</sub> (6)	36	158
CBY FUG (5)	CBY Ammonia Fugitives	NH <sub>3</sub> (6)	0.93	4.1
Split Firing of Natural Gas and Fuel Oil				
CB1 (7)(8)(9)	Unit 1	NO <sub>x</sub> (6)	2,020	8,847

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		SO <sub>2</sub>	415	709
		PM	691	644
		PM <sub>10</sub>	691	644
		PM <sub>2.5</sub>	691	644
		CO(6)	5,600	10,512
		VOC	35	65
		NH <sub>3</sub> (6)	36	158
CB2 (7)(8)(9)	Unit 2	NO <sub>x</sub> (6)	2,020	8,847
		SO <sub>2</sub>	415	709
		PM	691	644
		PM <sub>10</sub>	691	644
		PM <sub>2.5</sub>	691	644
		CO(6)	5,600	10,512
		VOC	35	65
		NH <sub>3</sub> (6)	36	158
CBY FUG (5)	CBY Ammonia Fugitives	NH <sub>3</sub> (6)	0.93	4.1
NGFUG (5)	Site-wide natural gas fugitives	VOC	0.19	0.83
MSSFUG (5) (10)	Miscellaneous Maintenance Activities	VOC	469.98	4.33
		PM	1.02	0.29
		PM <sub>10</sub>	1.02	0.29
		PM <sub>2.5</sub>	1.02	0.29
		NO <sub>x</sub>	<0.01	<0.01
		CO	<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.

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- (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                                                                                                           |
| 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                                                                                                          |
| NH <sub>3</sub>   | - ammonia                                                                                                                  |
- (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.
- (6) Emission limits during SCR operation. These emission rates of CO, NH<sub>3</sub> and NO<sub>x</sub> reflect emission rates authorized under Standard Permit Numbers 46591 (Unit 1) and 45998 (Unit 2) and are on a 24-hour rolling average basis.
- (7) For each pollutant whose emissions during planned MSS activities are measured using a CEMS, during any clock hour that includes one or more minutes of planned MSS activities, the pollutant's hourly emission limits that apply during planned MSS activities shall apply during that clock hour.
- (8) The tpy emission limit specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities.
- (9) The lb/hr emission limit specified in the MAERT for this facility includes emissions from the facility during both normal operations and planned MSS activities.
- (10) MSSFUG emission rates are independent of the fuel firing scenario.

Date: February 17, 2015