

## Emission Sources - Maximum Allowable Emission Rates

Permit Numbers 41249 and PSDTX940

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)
STACK1	GT/Unfired HRSG	NO <sub>x</sub>	63.40	252.91
		CO	86.17	338.68
		SO <sub>2</sub>	11.19	4.47
		VOC	2.80	10.75
		PM	18.00	78.84
		PM <sub>10</sub>	18.00	78.84
		PM <sub>2.5</sub>	18.00	78.84
STACK2	GT/Unfired HRSG	NO <sub>x</sub>	63.40	252.91
		CO	86.17	338.68
		SO <sub>2</sub>	11.19	4.47
		VOC	2.80	10.75
		PM	18.00	78.84
		PM <sub>10</sub>	18.00	78.84
		PM <sub>2.5</sub>	18.00	78.84

## Emission Sources - Maximum Allowable Emission Rates

STACK3	GT/Unfired HRSG	NO <sub>x</sub>	63.40	252.91
		CO	86.17	338.68
		SO <sub>2</sub>	11.19	4.47
		VOC	2.80	10.75
		PM	18.00	78.84
		PM <sub>10</sub>	18.00	78.84
		PM <sub>2.5</sub>	18.00	78.84
STACK4	GT/Unfired HRSG	NO <sub>x</sub>	63.40	252.91
		CO	86.17	338.68
		SO <sub>2</sub>	11.19	4.47
		VOC	2.80	10.75
		PM	18.00	78.84
		PM <sub>10</sub>	18.00	78.84
		PM <sub>2.5</sub>	18.00	78.84
STACK1	GT/Unfired HRSG (MSS)	NO <sub>x</sub>	339.40	-
		CO	2400.00	-
		SO <sub>2</sub>	11.19	-
		VOC	183.49	-
		PM	18.00	-
		PM <sub>10</sub>	18.00	-
		PM <sub>2.5</sub>	18.00	-

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STACK2	GT/Unfired HRSG (MSS)	NO <sub>x</sub>	339.40	-
		CO	2400.00	-
		SO <sub>2</sub>	11.19	-
		VOC	183.49	-
		PM	18.00	-
		PM <sub>10</sub>	18.00	-
		PM <sub>2.5</sub>	18.00	-
STACK3	GT/Unfired HRSG (MSS)	NO <sub>x</sub>	339.40	-
		CO	2400.00	-
		SO <sub>2</sub>	11.19	-
		VOC	183.49	-
		PM	18.00	-
		PM <sub>10</sub>	18.00	-
		PM <sub>2.5</sub>	18.00	-
STACK4	GT/Unfired HRSG (MSS)	NO <sub>x</sub>	339.40	-
		CO	2400.00	-
		SO <sub>2</sub>	11.19	-
		VOC	183.49	-
		PM	18.00	-
		PM <sub>10</sub>	18.00	-
		PM <sub>2.5</sub>	18.00	-

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DFWP1	Diesel Firewater Pump (5)	NO <sub>x</sub>	10.48	0.55
		CO	3.13	0.16
		SO <sub>2</sub>	0.74	0.04
		VOC	0.13	0.01
		PM	0.20	0.01
		PM <sub>10</sub>	0.20	0.01
		PM <sub>2.5</sub>	0.20	0.01
CT-1	Cooling Tower (6)	PM	1.31	5.75
		PM <sub>10</sub>	1.31	5.75
		PM <sub>2.5</sub>	1.31	5.75
CT-2	Cooling Tower (6)	PM	1.31	5.75
		PM <sub>10</sub>	1.31	5.75
		PM <sub>2.5</sub>	1.31	5.75
TOMV1	Turbine Oil Mist Vent Fugitives (7)	VOC	0.03	0.15
TOMV2	Turbine Oil Mist Vent Fugitives (7)	VOC	0.03	0.15
TOMV3	Turbine Oil Mist Vent Fugitives (7)	VOC	0.03	0.15
TOMV4	Turbine Oil Mist Vent Fugitives (7)	VOC	0.03	0.15
TOMV5	Turbine Oil Mist Vent Fugitives (7)	VOC	0.03	0.15
TOMV6	Sodium Hypochlorite Storage Tank	VOC	0.03	0.15
TANK1	Sodium Hypochlorite Storage Tank	NaOCl	<0.01	<0.01
TANK2	Sodium Hypochlorite Storage Tank	NaOCl	<0.01	<0.01
TANK3	Sulfuric Acid Storage Tank	H <sub>2</sub> SO <sub>4</sub>	<0.01	<0.01
TANK5	Caustic Storage Tank	NaOH	<0.01	<0.01

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TANK7	Diesel Fuel Storage Tank	VOC	0.09	<0.01
TANK8	Sulfuric Acid Storage Tank	H <sub>2</sub> SO <sub>4</sub>	<0.01	<0.01
TANK9	Sulfuric Acid Storage Tank	H <sub>2</sub> SO <sub>4</sub>	<0.01	<0.01
FUG-1	Natural Gas Pipeline Fugitive Emissions (8)	VOC	0.03	0.11
FUG-2	Natural Gas Pipeline Fugitive Emissions (8)	VOC	0.02	0.10
FUG-3	Natural Gas Pipeline Fugitive Emissions (8)	VOC	<0.01	0.03
MSSFUG	MSS-Related Fugitives	NO <sub>x</sub>	<0.01	<0.01
		CO	<0.01	<0.01
		SO <sub>2</sub>	-	-
		VOC	2.07	0.01
		PM <sub>10</sub>	0.05	<0.01

Emission Sources - Maximum Allowable Emission Rates

- (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) 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
- H<sub>2</sub>SO<sub>4</sub> - sulfuric acid
- NaOH - sodium hydroxide
- NaOCl - sodium hypochlorite
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emissions are based on non-emergency operation of 104 operating hours per year.
- (6) Cooling tower PM<sub>10</sub> emissions are an estimate only based on manufacturers' data. Cooling tower assembly has ten vent fan exhausts; emissions are sum-total of all ten exhausts.
- (7) Turbine oil mist-vent emissions are estimates only based on mist-vent eliminator manufacturer data.
- (8) Fugitive emissions are an estimate based on component count and applicable fugitive emission factors.

Date: January 27, 2014