

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 25738/PSD-TX-840

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 *	Source	Air Contaminant	Emission Rates
Point No. (1)	Name (2)	Name (3)	lb/hr
TPY			

## SHORT-TERM EMISSION LIMITS

### Case I: Turbine only, fuel oil firing.

EPNs 5 or 5A	Unit No. 9	NO <sub>x</sub>	117.9	--
		CO	128.7	--
		SO <sub>2</sub>	35.3	--
		VOC	4.4	--
		PM <sub>10</sub>	26.0	--
		PM	47.0	--

### Case II: Turbine only, natural gas firing.

EPNs 5 or 5A	Unit No. 9	NO <sub>x</sub>	37.2**	--
		CO	14.2**	--
		SO <sub>2</sub>	1.1	--
		VOC	4.3	--
		PM <sub>10</sub>	3.6	--
		PM	10.6	--

### Case III: Combined cycle (with duct firing), natural gas firing.

EPN 5	Unit No. 9	NO <sub>x</sub>	41.1**	--
		CO	18.5**	--
		SO <sub>2</sub>	1.2	--
		VOC	5.2	--
		PM <sub>10</sub>	4.1	--

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AIR CONTAMINANTS DATA

Emission *	Source	Air Contaminant	<u>Emission Rates</u>
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>
<u>TPY</u>			
		PM	11.6

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Emission *	Source	Air Contaminant	Emission Rates
Point No. (1)	Name (2)	Name (3)	lb/hr
TPY			

### LONG-TERM EMISSION LIMITS

EPN 5 (4)	Unit No. 9	NO <sub>x</sub>	--	174.9**
		CO	--	110.3**
		SO <sub>2</sub>	--	14.0
		VOC	--	21.5
		PM <sub>10</sub>	--	22.0
		PM	--	63.5
EPN 5A (5)	Unit No. 9	NO <sub>x</sub>	--	157.7**
		CO	--	91.0**
		SO <sub>2</sub>	--	13.7
		VOC	--	17.1
		PM <sub>10</sub>	--	20.0
		PM	--	59.5

- (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> - nitrogen oxides  
CO - carbon monoxide  
SO<sub>2</sub> - sulfur dioxide  
VOC - volatile organic compounds as defined in General Rule 101.1  
PM - particulate matter, as determined by EPA Method 5, modified to include front and back-half particulate.  
PM<sub>10</sub> - PM less than 10 microns in diameter, as determined by EPA Method 5, front-half only.
- (4) Except for VOC, long-term limits for EPN 5 based on 720 hours/year of turbine only firing with fuel oil and 8,040 hours/year combined cycle firing with natural gas. Long-term VOC limits for EPN 5 based on

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Emission *	Source	Air Contaminant	<u>Emission Rates</u>
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>
<u>TPY</u>			

8,760 hours/year of combined cycle firing with natural gas.

- (5) Long-term limits for EPN 5A based on 720 hours/year of turbine only firing with fuel oil and 8,040 hours/year of turbine only firing with natural gas.

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\*\* For a period not to exceed eight months, starting from the date of the July 1997 permit amendment, these emission rate limitations are suspended and replaced with the limitations of Special Condition No. 15 of this permit.

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

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,760

Dated \_\_\_\_\_