

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 7553

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 Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
1	Incinerator No. 1	PM <sub>10</sub>	3.0	13.2
		NO <sub>x</sub>	2.0	8.9
		CO	23.6	104
		VOC	1.0	4.4
		SO <sub>2</sub>	1.7	7.4
2	Incinerator No. 2	PM <sub>10</sub>	3.0	13.2
		NO <sub>x</sub>	2.0	8.9
		CO	23.6	104
		VOC	1.0	4.4
		SO <sub>2</sub>	1.7	7.4
GT1 and GT1A	Gas Turbine Number 1(4) and Heat Recovery Steam Generator (without duct burners)	PM <sub>10</sub>	2.75	7.54
		NO <sub>x</sub>	37.62	84.24
		CO	32.01	66.75
		VOC	0.92	1.91
		SO <sub>2</sub>	8.18	25.36
GT2 and GT2A	Gas Turbine Number 2 (4) and Heat Recovery Steam Generator (without duct burners)	PM <sub>10</sub>	2.75	7.54
		NO <sub>x</sub>	37.62	84.24
		CO	32.01	66.75
		VOC	0.92	1.91
		SO <sub>2</sub>	8.18	25.36
ENG6 (5)	Engine 6	PM <sub>10</sub>		0.4
		NO <sub>x</sub>		14.8
		CO		5.5
		VOC		0.91
		SO <sub>2</sub>		1.3

## AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
ENG7 (5)	Engine 7	PM <sub>10</sub>		0.3
		NO <sub>x</sub>		10.1
		CO		3.7
		VOC		0.62
		SO <sub>2</sub>		0.9
ENG8 (5)	Engine 8	PM <sub>10</sub>		0.3
		NO <sub>x</sub>		10.1
		CO		3.7
		VOC		0.62
		SO <sub>2</sub>		0.9

- (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> - oxides of nitrogen  
 PM - particulate matter, suspended in the atmosphere, including PM<sub>10</sub>  
 PM<sub>10</sub> - particulate matter equal or less than 10 microns in diameter. Where PM is not listed, it shall be assumed that no particulate matter greater than 10 microns is emitted.
- CO - carbon monoxide  
 SO<sub>2</sub> - sulfur dioxide  
 VOC - volatile organic compounds
- (4) The turbine exhaust can be emitted from either GT1 or GT1A stack or modulated between the two stacks, but the total emitted by the combined turbine and HRSG unit cannot exceed the rates specified on the maximum allowable emission rates table.
- (5) ENG 6, 7, 8 are included for display purposes only. These engines are currently authorized under the 1976 version of Exemption 6. With the addition of Gas Turbines 1 and 2, the engines must curtail operation and claim authorization under 30 TAC § 106.511 (Portable and Emergency Turbines and Engines) in order to comply with Special Condition No. 7. The emissions represented above will be the new annual allowables under 30 TAC § 106.511.

\* Emission rates are based on the following maximum operating schedule:

Hrs/day 24 Days/week 7 Weeks/year 52 or Hrs/year 8,736 for Incinerators

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

Hrs/day      Days/week      Weeks/year      or Hrs/year 876 for Engines

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AIR CONTAMINANTS DATA

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

Dated\_\_\_\_\_