

# EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 5421

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	<u>Emission Rates</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
WHBS5	Waste Heat Boiler S5	TSP	87.90	385.00
		PM <sub>10</sub>	43.58	190.84
		VOC	0.50	2.50
		NO <sub>x</sub>	164.40	720.00
		SO <sub>2</sub> (4)	1170.00	5120.00
		CO	251.10	1100.00
		SO <sub>3</sub>	15.60	68.33
	Material Handling (5)	TSP	0.76	3.31
		PM <sub>10</sub>	0.36	1.59

(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) TSP - total suspended particulate including PM<sub>10</sub>

PM<sub>10</sub> - particulate matter less than 10 microns in diameter

VOC - volatile organic compounds as defined in General Rule 101.1

NO<sub>x</sub> - total oxides of nitrogen

SO<sub>2</sub> - sulfur dioxide

CO - carbon monoxide

SO<sub>3</sub> - sulfur trioxide

(4) The hourly emission rate for SO<sub>2</sub> shall be the limit for stack testing purposes. The hourly emission rate for reporting SO<sub>2</sub> compliance with the permit shall be based on a seven-day rolling average from a 24-hour composite analysis of the blended raw feed sulfur content.

(5) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.

\* Emission rates are based on and the facilities are limited by the

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following maximum operating schedule:

Hrs/day\_\_\_\_\_Days/week\_\_\_\_\_Weeks/year\_\_\_\_\_or Hrs/year 8,760

A maximum hourly usage of 104,000 pounds and a maximum annual usage of 455,520 tons of raw petroleum coke.

Dated\_\_\_\_\_