

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 6065

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>
735-HH5	No. 4 Reactor Heater	NO _x	11.0	48.3
		CO	2.8	12.1
		PM ₁₀	1.1	4.8
		SO ₂	2.0	4.3
		VOC	0.5	2.0
735-HH10	No. 3 Reactor Heater	NO _x	68.3	299.2
		CO	5.0	21.8
		PM ₁₀	0.6	2.7
		SO ₂	3.1	6.9
		VOC	0.2	0.9
735-HH6	Unifiner Stripper Heater 47.8	NO _x		10.9
		CO	2.7	12.0
		PM ₁₀	1.1	4.8
		SO ₂	2.0	4.3
		VOC	0.5	2.0
735-HH7	Reformer Stabilizer Reboiler 47.8	NO _x		10.9
		CO	2.7	12.0
		PM ₁₀	1.1	4.8
		SO ₂	2.0	4.3
		VOC	0.5	2.0
FU-735	735 Magnaformer Fugitives (4) 23.7	VOC		5.4

Grandfathered Sources not covered by this permit:

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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>
735-HH1	Unifiner Heater	NO _x	11.68	51.15
		CO	2.92	12.79
		PM ₁₀	1.17	5.12
		SO ₂	2.10	4.60
		VOC	0.48	2.12
735-HH2	No. 1 Reactor Heater	NO _x	12.57	55.08
		CO	3.14	13.77
		PM ₁₀	1.26	5.51
		SO ₂	2.26	4.96
		VOC	0.52	2.28
735-HH3	No. 2 Reactor Heater	NO _x	95.82	419.67
		CO	6.97	30.52
		PM ₁₀	0.87	3.82
		SO ₂	4.39	9.61
		VOC	0.30	1.30
735-HH4	No. 3 Reactor Heater	NO _x	118.40	518.61
		CO	8.61	37.72
		PM ₁₀	1.08	4.71
		SO ₂	5.43	11.88
		VOC	0.37	1.60
735-HH8	CNF Feed Heater	NO _x	9.17	40.18
		CO	2.29	10.04
		PM ₁₀	0.92	4.02
		SO ₂	1.65	3.62
		VOC	0.38	1.66
735-HH9	CNF Reboiler	NO _x	8.25	36.14
		CO	2.06	9.03
		PM ₁₀	0.83	3.61
		SO ₂	1.49	3.25
		VOC	0.34	1.50

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- (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) PM₁₀ - particulate matter equal to 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.
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
SO₂ - sulfur dioxide
CO - carbon monoxide
- (4) 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 following maximum operating schedule:

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

Dated _____