

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

18773

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
700	Rxn and Ethylene Purification Fugitives (4)	VOC	1.74	7.6
703	Catalyst Preparation Fugitives (4)	VOC	0.08	0.36
704	Analyzer Vent	VOC	0.22	0.96
705	New Flare	VOC	26.3	115.3
		NO _x	3.43	15.02
		CO	29.39	128.75
707	Cycle Gas Compressor Seal/Lube Oil Vent	VOC	0.11	0.48
708	Catalyst Transfer Tank Vent Filter	PM	0.27	0.004
709	Catalyst Transfer Tank Vent Filter	PM	0.27	0.004
710	Reactor Seed Bed Vent	PM	0.0	0.0
712	Catalyst Vent Filter	PM	0.09	<0.001
715	Pneumatic Conveyor Vent Filter	PM	0.028	0.043
716	Additive Bin Vent Filter	PM	0.027	0.014
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718	Trim Receiver Vent Filter	PM	0.723	0.087
721	Pelleter Dryer Exhaust	PM	0.78	3.41

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
720, 722-724	Storage/Blend Bin Vent Filters and Pelleting System Dust Collector	VOC	3.43	15.01
		PM	1.014	4.431
725	Pellet Loading Vent Filter	PM	1.91	4.80
246	Existing Flare (5)	VOC	43.09	5.97
		NO _x	2.916	0.45
		CO	14.86	2.30
772	No. 3 Activator	PM	0.025	0.005
		VOC	159.87	10.02
773	No. 3 Activator Blow Tank	PM	0.02	0.004

- (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) PM - particulate matter
VOC - volatile organic compounds as defined in General Rule 101.1
NO_x - total oxides of nitrogen
CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) The maximum hourly emission rates occur potentially up to 12 times per year. This flare also handles start-up, shutdown and upset streams.

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

Hrs/day____Days/week____Weeks/year____or Hrs/year 8,760

Revised_____