

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

4831

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)	Emission Rates *		
			lb/hr	TPY	
476	Catalyst Diluent Unloading		VOC	<0.01	<0.01
477	Comonomer Unloading		VOC	<0.01	0.20
478	CO ₂ Removal Bed		PM ₁₀	<0.01	0.03
479 A and B, 480-489, 491-494 (6)	Catalyst Preparation System		PM ₁₀	<0.01	0.01
			VOC	0.87	3.80
495, 496 (6)	Seal System Fugitives		VOC	0.40	1.75
497 A and B (6)	Reactors		PM ₁₀	0.01	0.05
498 and 499 (6)	Purger-Separator Start-up		VOC	<0.01	0.03
511	Analyzer Vents		VOC	0.4	1.8
512	Additive System		PM ₁₀	<0.01	<0.02
516-521 (6)	Storage Bins		PM ₁₀	0.68	1.43
522-526 (6)	Pelletization System		PM ₁₀	1.00	2.07
527, 528 (6)	Pellet Blending		PM ₁₀	0.67	2.93
529, 530 (6)	Loading Bin		PM ₁₀	0.70	1.47
531, 532 (6)	Antioxidant Receiver		PM ₁₀	0.02	<0.01

533	Pellet Receiver Baghouse	PM ₁₀	7.67	6.90
541-548 (6)	Feed Bins at Extruders 1 and 2	VOC PM ₁₀	5.33 1.0	4.95 1.2

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
549 - 551, 559 (6)	Feed Bin at Extruder 3	VOC PM ₁₀	5.32 1.0	11.2 2.7
502, 504-506 (6)	Granular Weigh Bins	VOC PM ₁₀	4.75 1.0	2.23 0.6
402	Feed Bin at Extruder 4	VOC PM ₁₀	8.9 1.0	21.0 2.2
403, 404, 405 (6)	Tanks, Additive Melting and Holding	VOC PM ₁₀	<0.001 <0.001	<0.01 <0.01
406-411, 414 (6)	Tanks, Additive Blending and Holding	PM ₁₀	0.022	<0.01
412	Additive Dump Station	PM ₁₀	0.09	0.01
413	Additive Vacuum Receiver	PM ₁₀	0.023	<0.01
415	Additive Vacuum Receivers	PM ₁₀	0.014	<0.01
416	Resin Screw Conveyor	PM ₁₀	0.01	0.09
417	Tank, Liquid Additive Holding	VOC	<0.001	<0.01
500	RXTR 1 Gas Barrier Vent	PM ₁₀	0.03	0.15
501	RXTR 2 Gas Barrier Vent	PM ₁₀	0.03	0.15
F-1	Process Flare	CO NO _x VOC	75.3 148.0 122.6	52.9 10.4 98.4

600	Boiler B-95159	CO	0.80	1.71
		NO _x	5.66	12.05
		PM ₁₀	0.47	1.00
		SO ₂	0.03	0.06
		VOC	0.14	0.30

AIR CONTAMINANTS DATA

Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
601	Boiler B-95259 (5)	CO	0.80	1.71
		NO _x	5.66	12.05
		PM ₁₀	0.47	1.00
		SO ₂	0.03	0.06
		VOC	0.14	0.30
510	Process Fugitives (4)	VOC	24.9	109.1
602	Cooling Tower (4)	VOC	1.33	5.83

- (1) Emission point identification - either specific equipment designation or emission point number (EPN) from plot plan.
- (2) Specific point source name. For fugitive sources use area name or fugitive source name.
- (3) VOC - volatile organic compounds as defined in General Rule 101.1
 NO_x - total oxides of nitrogen
 SO₂ - sulfur dioxide
 PM₁₀ - particulate matter less than 10 microns
 CO - carbon monoxide
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Boiler standby operation for EPN 600.
- (6) The listed emission rate is for the group of emission points, so the sum of emissions from all of the emission points in the group shall not exceed the emission rate listed for the group.

* 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_____