

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 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 *	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>
LDFLARE	LPE Process Flare	VOC	302.09	132.29
		NO _x	19.07	10.54
		CO	137.74	76.10
		SO ₂	0.11	0.13
LDBLR1	Boiler No. 1 (46.3 MMBTU/hr)	VOC	1.62	7.10
		NO _x	2.78	12.17
		CO	2.72	11.89
		SO ₂	0.03	0.12
		PM ₁₀	0.61	2.67
LDBLR2	Boiler No. 2 (46.3 MMBTU/hr)	VOC	0.13	0.44
		NO _x	5.56	19.49
		CO	1.56	5.47
		SO ₂	0.03	0.09
		PM ₁₀	0.61	2.14
L1BF25033,	Additive Systems (5)	VOC	<0.01	0.01

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
L1TK25054, L1TK25055, L1BF25027, L1BF25032, L1BF25028, L1BF25029, L1BF25030, L1BF25091, L1BN24155, L1BF24159, L1BF25102, L1BF25031, L1BF25037, L1BF25041, L1BF25090, L1BF15102, L1YF01313, L1YF02313, L1YF01326, L1YF02326, L1BF13101, L1TK25053, L1ME33155, L1ME24167, L1VV33105, L1VV33205, L1VV24051, L1VV24052, L1BF13xx4, L1EPN105, L1EPN106, L1EPN107		PM ₁₀	0.51	0.08

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			lb/hr	TPY
L1VV03002A,	Catalyst Preparation Systems (5) 2.67	VOC	18.70	
L1VV03002B,		PM ₁₀	<0.01	<0.01
L1VV03004,				
L1VV03243,				
L1VV03301,				
L1VV03302-				
L1VV03307,				
L1ME04132,				
L1ME04133,				
L1ME04232,				
L1ME04233,				
L1EPN108,				
L1EPN109,				
L1EPN110,				
L1EPN111,				
L1EPN112,				
L1EPN113				
L1YF01310A,	Granular Product Systems (5) 67.74	VOC	28.08	
L1YF01310B,		PM ₁₀	16.45	7.25
L1YF01310C,				
L1YF01310D,				
L1YF02310A,				
L1YF02310B,				
L1YF02310C,				
L1YF02310D,				
L1BF25040,				
L1BF24157,				
L1BF24001,				
L1BF24002,				
L1BF24003,				
L1YF01328,				
L1YF02328,				
L1BF24010,				
L1BF25034,				
L1BF05123,				
L1BF05223,				

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>

L1BF30108,
L1BF30109,
L1BF30110,
L1BF30111,
L1VV04101,
L1VV04201

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			lb/hr	TPY
L1YD01427, L1VD02427, L1BN24018, L1BF30208, L1BF30209, L1BF30210, L1BF30211, L1BF30123, L1BF30124, L1BF30125, L1BF30126, L1BF20223, L1BF30224, L1BF30225, L1BF30226, L1YF01416A, L1YF01416B, L1YF02416A, L1YF02416B, L1YF03416A, L1YF03416B, L1EPN103, L1EPN104	Pellet Product Systems (5)	PM ₁₀	3.75	3.01
L1BF33201, L1BF33503, L1CYV580J, L1CL281JV1, L1CL281JV2, L1BF30127, L1BF30138, L1BF30227, L1BF33101, L1EPN101,	Hopper Car/Truck Loading (5) 7.71		PM ₁₀	3.34

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L1EPN102				
L1ANALYZER	LPE Analyzer Vents	VOC	0.63	2.74
LDCOOLTWR	Cooling Tower (4)	VOC	2.94	12.88

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			lb/hr	TPY
LDFUGEM	Process Fugitives (4)	VOC	7.32	32.06

- (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) VOC - volatile organic compounds as defined in General Rule 101.1
- NO_x - total oxides of nitrogen
- CO - carbon monoxide
- SO₂ - sulfur dioxide
- PM₁₀ - particulate matter less than 10 microns in diameter
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) The listed emission rates are 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 8,760
Hrs/year

Dated_____