

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

811B

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		Air Contaminant		<u>Emission Rates *</u>	
	Name (2)	Name (3)	lb/hr	TPY		
1	Tank			Hexane	0.25	1.00
2A	Tank			Hexane	0.25	1.00
2B	Tank			Hexane	0.75	3.00
3	Tank			Octene	0.43	1.70
4	Tank			Octene	0.43	1.70
7	Product Blender			Hexane	15.00	34.68
8	Dewater System			Hexane	1.10	4.50
9	Catalyst Tank			Hexane	0.50	2.00
10	Water Purge			Hexane	0.50	2.00
11	Scrap Pellet Bin			Hexane	10.70	43.00
12	Flare			Ethylene	30.00	10.30
				Hexane	32.00	30.00
				Butene	6.00	2.00
				Acetone	0.42	1.84
				Octene	5.00	1.80
				MEK	0.11	0.48
				CO	31.80	30.70
				NOx	6.24	6.00
14	Fugitives (4)			VOC (5)	11.50	50.40
				Hexane	5.87	

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
			Octene	5.87
			Ethylene	5.63

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	Emission Rates *	
			lb/hr	TPY
15	Side Flare	Hexane	0.30	1.30
		CO	0.12	0.50
		NOx	0.02	0.10
16	Bag Filter	PM10 Desiccant	0.30	1.30
17	Bag Filter	PM10 Polyethylene	1.40	6.10
18	Stripper Fugitives	VOC (4)	<0.01	<0.01
210	Gala Cyclone	PM Polyethylene	0.26	0.19
		Hexane	0.50	1.16
220	Gala Cyclone	PM Polyethylene	0.26	0.19
		Hexane	0.50	1.16

- (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
 PM10 - particulate matter less than 10 microns
 VOC - volatile organic compounds as defined in General Rule 101.1
 NOx - total oxides of nitrogen
 CO - carbon monoxide
 MEK - methyl ethyl ketone
- (4) Fugitive emissions are an estimate only and should not be considered as a maximum allowable emission rate.
- (5) Total VOC's include hexane, octene, and ethylene. Total hourly VOC fugitive emissions are not estimated to exceed 11.50 lb/hr. Speciated maximum hourly emission rates will not occur simultaneously.
- * Emission rates are based on and the facilities are limited by the following maximum operating schedule:

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	<u>Emission Rates *</u>	
			lb/hr	TPY
	Hrs/day	Days/week	Weeks/year	or Hrs/year <u>8,760</u>

Dated _____