

## EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 1295

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
094	Flare	VOC	4.63	1.40
		NO <sub>x</sub>	6.22	3.02
		CO	1.99	6.44
110	A-573	PM <sub>10</sub>	0.34	1.50
111	A-574	PM <sub>10</sub>	0.86	3.75
152	T-605-1 Scrubber	HCl	2.95	0.03
191	T-126 Decanter	VOC	2.30	0.31
215	H-302 Heater	VOC	0.01	0.02
		NO <sub>x</sub>	0.27	0.39
		SO <sub>2</sub>	<0.01	<0.01
		CO	0.06	0.08
		PM <sub>10</sub>	0.03	0.05
248	T-563 Filter Feed	VOC	0.04	0.01
250	H-500 Heater	VOC	0.01	0.02
		NO <sub>x</sub>	0.27	0.39
		SO <sub>2</sub>	<0.01	<0.01
		CO	0.06	0.80
		PM <sub>10</sub>	0.03	0.05
260	T-138 Decanter	VOC	2.30	0.31
261	T-510 Decanter	VOC	2.30	0.31

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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>
262	T-511 Decanter	VOC	2.30	0.31
263	T-512	VOC	0.04	0.67
		NH <sub>3</sub>	<0.01	<0.01
264	T-513 Decanter	VOC	2.30	0.31
278	T-557	HNO <sub>3</sub>	0.01	<0.01
284	A-316/A-317	VOC	0.31	0.13
		NH <sub>3</sub>	0.16	0.05
285	T-598	VOC	<0.01	<0.01
301	A-517-1 Baghouse (Rail, Truck)	PM <sub>10</sub>	0.05	0.23
302	A-563/A-564 Baghouse	PM <sub>10</sub>	0.14	0.60
305	H-501 Heater	VOC	0.01	0.02
		NO <sub>x</sub>	0.27	0.39
		SO <sub>2</sub>	<0.01	<0.01
		CO	0.06	0.08
		PM <sub>10</sub>	0.03	0.05
307	T-546-2/T-580-2 Baghouse	PM <sub>10</sub>	0.04	0.18
311	P-593 Vacuum Pump	VOC	0.09	0.33
		NH <sub>3</sub>	0.86	3.14
319	P-590 Belt Filter	VOC	0.02	0.07
		NH <sub>3</sub>	0.04	0.13

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hrTPY</u>	
320	Abator	VOC	38.50	2.89
		NO <sub>x</sub>	10.90	9.41
		NH <sub>3</sub>	1.22	0.18
400	M-6260	PM	0.43	0.42
401	D-6217	Polyethylene Glycol	1.77	<0.01
402	Superheater	VOC	0.01	0.05
		NO <sub>x</sub>	0.18	0.79
		CO	0.08	0.35
		SO <sub>2</sub>	<0.01	0.01
		PM	0.04	0.16
403	Incinerator	VOC	0.91	0.33
		NO <sub>x</sub>	6.00	2.65
		CO	8.00	3.73
		SO <sub>2</sub>	<0.01	<0.01
		PM	1.89	1.52
		Silicones	0.28	0.11
527	M-6301 Bag Filter	PM <sub>10</sub>	0.05	0.23
528	M-6306 Bag Filter	PM <sub>10</sub>	0.03	0.13
529	M-6402 Dust Collector	PM <sub>10</sub>	0.51	2.25
530	B-6359	VOC	0.02	0.08
		NO <sub>x</sub>	0.22	0.90
		CO	0.10	0.41
		SO <sub>2</sub>	<0.01	<0.01
		PM <sub>10</sub>	0.03	0.11

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Emission *	Source	Air Contaminant	Emission Rates	
Point No. (1)	Name (2)	Name (3)	lb/hrTPY	
531	B-6369	VOC	0.02	0.08
		NO <sub>x</sub>	0.22	0.90
		CO	0.10	0.41
		SO <sub>2</sub>	<0.01	<0.01
		PM <sub>10</sub>	0.03	0.11
532	F-6322 Storage Tank	NH <sub>4</sub> NO <sub>3</sub>	<0.01	<0.01
533	F-6323 Storage Tank	NH <sub>4</sub> NO <sub>3</sub>	<0.01	<0.01
534	T-548 Wastewater Equalization Tank	NH <sub>4</sub> NO <sub>3</sub>	<0.01	<0.01
535	F-6321 Wastewater Equalization Tank	NH <sub>4</sub> NO <sub>3</sub>	<0.01	<0.01
537	Emission Reduction Unit 1.66		VOC	16.59
		NO <sub>x</sub>	54.80	17.85
		CO	20.40	89.37
		SO <sub>2</sub>	0.03	0.11
		PM <sub>10</sub>	0.33	1.44
		NH <sub>3</sub>	5.77	1.88
F-5	Fugitive Area F-5 (4)	VOC	<0.01	<0.01
F-6	Fugitive Area F-6 (4)	VOC	0.03	0.12
		PM <sub>10</sub>	0.02	<0.01
		NH <sub>3</sub>	0.06	0.27
F-7	Fugitive Area F-7 (4)	VOC	0.07	0.29
F-8	Fugitive Area F-8 (4)	VOC	0.09	0.31

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F-14	Fugitive Area F-14 (4)	VOC	0.24	0.74
		PM <sub>10</sub>	0.25	0.19
		NH <sub>3</sub>	<0.01	0.01
F-15	Fugitive Area F-15 (4)	VOC	0.01	0.02

- (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<sub>x</sub> - total oxides of nitrogen  
SO<sub>2</sub> - sulfur dioxide  
CO - carbon monoxide  
PM - particulate matter  
PM<sub>10</sub> - particulate matter less than 10 microns  
NH<sub>3</sub> - ammonia  
HNO<sub>3</sub> - nitric acid  
HCl - hydrogen chloride  
NH<sub>4</sub>NO<sub>3</sub> - ammonium nitrate
- (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:

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\_\_\_\_\_ Hrs/day \_\_\_\_\_ Days/week \_\_\_\_\_ Weeks/year or \_\_\_\_\_  
8,760 Hrs/year

Dated \_\_\_\_\_