

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 1790

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

<u>Emission Rates *</u>	Source	Air Contaminant	<u>Emission</u>	
<u>Point No. (1)</u>	<u>Name (2)</u>		<u>Name</u>	
<u>(3)</u>	<u>lb/hr</u>	<u>TPY</u>		
5TFX-27	50A Tank	VOC	<0.01	<0.1
5TFX-28	50B Tank	VOC	<0.01	<0.1
5TFX-29	50C Tank	VOC	<0.01	<0.1
5TFX-30	50D Tank	VOC	<0.01	<0.1
5TFX-26	K-51 Tank	VOC	3.52	1.94
5TFX-22	K-6 Tank	VOC	11.4	<0.1
5TFX-23	K-8 Tank	VOC	11.4	<0.1
5TFX-25	K-10 Tank	VOC	11.4	<0.1
5TFL-7B	No. 3 Tank	VOC	0.49	1.15
5TFL-7C	No. 4 Tank	VOC	0.49	1.15
5TFL-7E	No. 61 Tank	VOC	0.49	1.15
5TFX-18A	No. 5 Tank	VOC	14.2	0.67
5TFX-18B	No. 11 Tank	VOC	14.2	0.67
5TFX-18C	No. 52 Tank	VOC	14.2	0.67
5TFX-18D	No. 53 Tank	VOC	14.2	0.67

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Point No. (1)	Name (2)		Name	
(3)	lb/hr	TPY		
5TFL-7D	No. 6 Tank	VOC	0.37	0.89
5TFX-15	Seal Flush	Emergency Service Only		
5TFX-21	K-1 Tank	VOC	0.06	<0.1
5TFX-20	K-2 Tank	VOC	0.06	<0.1
5TFX-24	K-7 Tank	VOC	0.06	<0.1
5TFX-8	Lean Oil	VOC	4.41	<0.1
5TFX-9	DEHPA Tank	VOC	0.45	<0.01
5TFX-10	DEHPA Metering Tank	VOC	<0.01	<0.01
5TFX-11	EDTA Tank	VOC	<0.01	<0.01
5TFX-12	EDTA Metering Tank	VOC	<0.01	<0.01
5TFX-16	Catalyst Tank	VOC	0.10	<0.01
5TFX-17	Catalyst Tank	VOC	0.53	<0.1
5TFX-19	Catalyst Metering Tank	VOC	<0.01	<0.01
5TFX-33	Crude Tank	VOC	3.86	6.42
5TFX-32	Unichem Tank	VOC	0.11	<0.01
5TFX-35	Aqueous Divert Tank	VOC	0.50	<0.1
5VNT-34	KA Tank/Trailer	VOC	1.60	0.20
5TFX-38	SCC Tank	VOC	35.5	0.27

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Point No. (1)	Name (2)		Name	
(3)	lb/hr	TPY		
5FUG-050	KA Fugitives (4)	VOC	14.65	64.13
5VNT-037	SSD Vent	Maintenance Service Only		
5VNT-031	Aqueous Waste Decanter	Maintenance Service Only		
5VNT-014	Steam Still Vent	Maintenance Service Only		
5ABS-005	High Pressure Scrubber	Maintenance Service Only		
5ABS-013	Low Pressure Scrubber	Maintenance Service Only		
PD-4,5	Cone Burners	CO	5.1	22.3
		NO _x	40	38
		VOC	0.10	0.44
PD-16A	No. 1 Dryer Dust Scrubber	PM	4.0	11.8
PD-16B	No. 2 Dryer Dust Scrubber	PM	4.0	11.8
PD-17	Loading Dust Collector	PM	0.5	1.2
PD-25	Absorber Vent	Start-up Service Only		
PD-32	AA Solution Tank	NO _x	0.02	<0.1
PD-33	No. 1 Vacuum Jet Seal Tank <0.1		NO _x	0.02
PD-34	No. 2 Vacuum Jet Seal Tank <0.1		NO _x	0.02
PD-35	No. 1 RML Receiver	NO _x	0.02	<0.1

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Point No. (1)	Name (2)		Name	
(3)	lb/hr	TPY		
PD-36	No. 2 RML Receiver	NO _x	0.02	<0.1
PD-37	No. 1 RML Tank	NO _x	0.02	<0.1
PD-38	No. 2 RML Tank	NO _x	0.02	<0.1
PD-39	Solution Water Receiver	NO _x	0.02	<0.1
PD-40	Solution Water Tank	NO _x	0.02	<0.1
PD-41	No. 1 Refined Solution Receiver	NO _x	0.02	<0.1
PD-42	No. 2 Refined Solution Receiver	NO _x	0.02	<0.1
PD-43	PML Tank Vent	NO _x	0.02	<0.1
PD-44	DBA Vacuum System Vent	NO _x	0.02	<0.1
PD-45	DBE Tank Vent	VOC	0.17	0.81
PD-47	DBE Truck Loading	VOC	0.05	0.20
PJ-14I	No. 1 Methanol Tank	Methanol	0.65	0.26
PJ-14J	No. 2 Methanol Tank	Methanol	0.65	0.26
FD-27	AA Fugitives (4)	NO _x	0.24	1.0
		PM	0.14	0.6
		VOC	0.62	2.7

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(3)	lb/hr	TPY	
PD-50	N ₂ O/NO _x Abater	CO	4 10.5
		NH ₃ 1.5	4.2
		NO _x 8	26
		N ₂ O 2350	6790
		VOC 1.5	4.2

- (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) CO - carbon monoxide
 NH₃ - ammonia
 NO_x - total oxides of nitrogen
 N₂O - nitrous oxide
 PM - particulate matter
 VOC - volatile organic compounds as defined in General Rule 101.1
- (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:

Hrs/day_____Days/week_____Weeks/year_____or Hrs/year 8,760