

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 18161

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		
X-A-0	Loading			VOC	1.70	0.27
X-A-1	Loading			VOC	1.70	0.27
X-A-2	Loading			VOC	1.70	0.27
X-A-9	Loading			VOC	1.70	0.27
X-A-10	Loading			VOC	1.70	0.27
X-A-11	Loading			VOC	1.70	0.27
X-A-12	Loading			VOC	1.70	0.27
X-A-13	Loading			VOC	1.70	0.27
X-A-14	Loading			VOC	1.70	0.27
X-A-3	Tank Car Washing			VOC	<0.01	0.02
X-E-1	HCl Scrubber			Cl2	0.1	<0.01
X-E-2	Scrubber			VOC	29.91	1.62
				MA	0.01	<0.01
X-E-3	Scrubber (**)			HF	**	**
				SiF4	0.14	0.13
X-G-0	Tank T-1103			VOC	0.06	0.01
X-G-1	Tank T-1105			VOC	<0.01	<0.01

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X-I-5	Tank T-1140	VOC	<0.01	<0.01
X-G-12	Tank T-1301	VOC	1.38	0.51
X-G-16	Tank T-1305	VOC	0.92	0.07

AIR CONTAMINANTS DATA

<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>	<u>Air Contaminant Name (3)</u>	<u>lb/hr</u>	<u>Emission Rates *</u>	<u>TPY</u>
X-G-20	Tank T-1309	VOC	0.92	0.11	
X-G-21	Tank T-1310	VOC	1.38	<0.01	
X-H-9	Tank T-1312	VOC	0.17	<0.01	
X-G-8	Tank T-1313	VOC	0.53	0.12	
X-G-24	Tank-T-1315	VOC	1.38	0.02	
X-G-25	Tank T-1316	VOC	<0.01	<0.01	
X-H-6	Tank T-1321	VOC	8.50	0.13	
X-G-7	Tank T-1322	VOC	0.53	0.14	
X-H-11	Tank T-1325	VOC	1.36	1.29	
X-H-12	Tank T-1326	VOC	8.37	1.26	
X-H-4	Tank T-1330A	VOC	1.26	0.07	
X-H-5	Tank T-1330B	VOC	0.74	0.08	
X-I-8	Tank T-1340	VOC	10.77	0.05	
X-H-0	Tank T-1341	VOC	0.01	<0.01	

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X-H-1	Tank T-1343	VOC	3.08	0.02
X-H-2	Tank T-1345	VOC	0.94	0.04
X-H-3	Tank T-1346	VOC	5.4	0.05
X-H-8	Tank T-1347	VOC	0.09	<0.01

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<u>Emission Point No. (1)</u>	<u>Source Name (2)</u>	<u>Air Contaminant Name (3)</u>	<u>lb/hr</u>	<u>Emission Rates *</u> <u>TPY</u>	
X-H-7	Tank T-1349	VOC	0.09	<0.01	
X-H-13	Tank T-1358	VOC	0.38	0.14	
X-H-14	Tank T-1359	VOC	0.38	0.14	
X-I-0	Tank T-1360A	VOC	0.38	0.14	
X-I-1	Tank T-1360B	VOC	0.38	0.14	
X-I-2	Tank T-1360C	VOC	0.38	0.14	
X-H-16	Tank T-1355	VOC	0.74	0.38	
X-H-17	Tank T-1356	VOC	0.74	0.38	
X-H-18	Tank T-1357	VOC	0.74	0.38	
X-G-9	Tank T-1380	VOC	0.58	0.11	
X-J-1	Tank T-1401	VOC	0.12	0.03	
X-J-2	Tank T-1402	VOC	0.09	0.05	

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X-J-4	Tank T-1404	VOC	2.40	0.96
X-J-5	Tank T-1405	VOC	1.06	0.42
X-J-6	Tank T-1445	VOC	1.06	0.42
X-J-8	Tank T-1409	VOC	0.06	0.03
X-J-9	Tank T-1411	VOC	2.40	0.59
X-J-10	Tank T-1412	VOC	0.13	0.01
X-J-11	Tank T-1413	VOC	18.0	0.10

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Emission Point No. (1)	Source Name (2)	Air Contaminant Name (3)	lb/hr	<u>Emission Rates *</u> TPY	
X-J-12	Tank T-1414	VOC		<0.01	<0.01
X-J-13	Tank T-1416	VOC		1.46	0.04
X-J-14	Tank T-1417	VOC		2.40	0.09
X-I-4	Drum	VOC		0.80	0.04
X-I-3	Flush Pot	VOC		1.0	0.32
X-GZ-0	Fugitives (4)	VOC		8.43	36.93
		MA		<0.01	<0.01
		Cl2		<0.01	<0.03
		BF3		0.12	0.53
		HF		0.02	0.08
G-D-1	Wet Flare	VOC		0.6	0.2

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X-D-1	Flare	VOC	0.02	0.06
		NOx	0.53	2.31
		CO	2.69	11.79
X-C-1	Furnace	VOC	0.06	0.25
		NOx	1.20	5.26
		CO	0.70	3.07
		PM10	0.10	0.44
X-I-18	Bin Vent	PM10	0.04	<0.01
X-B-1	Cooling Tower	VOC	<0.01	<0.01

- (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
 - SO2 - sulfur dioxide
 - CO - carbon monoxide
 - SiF4 - silicon tetra fluoride
 - CL2 - chlorine
 - BF3 - boron trifluoride
 - HF - hydrogen fluoride
 - MA - maleic anhydride
- (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:

** HF emissions during emergency use only.

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Hrs/day____Days/week____Weeks/year____or Hrs/year 8,760

Revised _____