

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 1472

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
A26F1	Flare	CO	75.44	16.52
		NO _x	8.77	1.92
		VOC	2.38	0.52
		SO ₂	0.02	<0.01
A26LR01	Loading Area LR2620	NH ₃	0.01	0.06
A26LR02	Loading Area 941-2	NH ₃	<0.01	<0.01
A26LR03	Loading Area LR4000	NH ₃	<0.01	0.03
A26LR04	Drum Loading Area DR2612 0.07	NH ₃		0.02
A26LR05	Loading Area LR14B	NH ₃	<0.01	<0.01
A26LR06	Loading Area 942-2	NH ₃	<0.01	0.03
A26RX3A	Batch Reactor R-3A	NH ₃	0.62	<0.01
A26RX104	Batch Reactor R-104	NH ₃	1.53	0.03
A26RX320	Batch Reactor R-320	NH ₃	0.63	0.05
A26S500	Waste Gas Boiler (40 MMBtu/hr Heat Input) 59.92	CO	2.22	9.24
		NO _x		14.40
		PM ₁₀	0.57	2.48

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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>
		SO ₂	0.01	0.05
		VOC	0.49	2.09
		HCN	0.07	0.28
A26SC23	Solvent Degreasing	VOC	0.06	0.26
		MECl	<0.01	<0.01
A26SP3	Loading Area BF-3	PM ₁₀	0.13	0.55
A26SP4	Loading Area BF-4	PM ₁₀	0.13	0.56
A26SP103	Loading Area BF-103	PM ₁₀	0.25	1.11
A26SP201	Loading Area BF-201	PM ₁₀	0.13	0.56
A26SP229	Loading Area BF-229	PM ₁₀	0.01	0.06
A26SP303	Loading Area BF-303	PM ₁₀	0.01	0.06
A26ST14B	Storage Tank D-14B	NH ₃	0.42	0.04
A26ST15C	Storage Tank D-15C	DETA	0.05	<0.01
A26ST18A	Storage Tank D-18A	NH ₃	0.06	0.08
A26ST19A	Storage Tank D-19A	NH ₃	0.50	0.08
A26ST20D	Storage Tank D-20D	NH ₃	0.24	0.02
A26ST20E	Storage Tank D-20E	NH ₃	0.41	0.04
A26ST20H	Storage Tank D-20H	NH ₃	1.02	0.05

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
A26ST20M	Storage Tank D-20M	NH ₃	0.84	0.07
A26ST25A	Storage Tank D-25A	NH ₃	0.51	0.22
A26ST107	Storage Tank D-107	NH ₃	<0.01	<0.01
A26ST275	Storage Tank D-275	EDA	1.96	0.38
A26ST330	Storage Tank D-330	NH ₃	0.04	0.15
A26ST340	Storage Tank D-340	NH ₃	0.51	0.04
A26ST516	Storage Tank D-516	NH ₃	0.06	0.08
A26ST517	Storage Tank D-517	NH ₃	0.02	0.02
A26ST518	Storage Tank D-518	NH ₃	0.01	0.02
A26ST550	Storage Tank D-550	VOC	1.29	<0.01
A26STR1B	Storage Tank R-1B	NO _x	13.3	0.54
A26STR1C	Storage Tank R-1C	NO _x	13.3	0.54
A26SV207	Scrubber D-207	PM ₁₀	0.31	1.30
A26SV215	Scrubber D-215	PM ₁₀	<0.01	<0.01
A26SV230	Scrubber D-230	PM ₁₀	0.21	0.18
A26SV510	Scrubber SV-510	NH ₃	<0.01	0.01
A26SV511	Scrubber SV-511	NH ₃	1.61	0.15

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	<u>TPY</u>
A40ST48	Storage Tank D-48	NH ₃	0.65	0.12
A40ST49	Storage Tank D-49	NH ₃	0.65	0.12
A26CT2	Cooling Tower CT-2	NH ₃	0.34	1.47
		VOC	0.15	0.65
A26FU01	Process Fugitives (4)	Cl ₂	0.01	0.04
		HCN	<0.01	0.01
		NH ₃	0.04	0.20
		NO _x	0.02	0.06
		VOC	0.24	1.04
		CFC-22	0.03	0.15
A30FU02	Process Fugitives (4)	VOC	0.01	0.04
A40FU04	Process Fugitives (4)	NH ₃	<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) NH₃ - ammonia

CO - carbon monoxide

Cl₂ - chlorine

DETA - diethylenetriamine

EDA - ethylenediamine

CFC-22 - chlorodifluoromethane

HCN - hydrogen cyanide

MECl - methyl chloroform or 1,1,1,-trichloroethane

NO_x - nitrogen oxides

PM₁₀ - particulate matter less than 10 microns

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Emission *	Source	Air Contaminant	Emission Rates
Point No. (1)	Name (2)	Name (3)	lb/hr TPY

SO₂ - sulfur dioxide

VOC - volatile organic compounds as defined by 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

Dated _____