

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit No. 4788

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 *	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>				
TE51	Storage Tank	VOC	3.14	0.08
TE52	Storage Tank	VOC	3.14	0.08
TE54	Storage Tank	VOC	3.14	0.08
TE106	Storage Tank	VOC	3.14	0.08
TE112	Storage Tank	VOC	3.14	0.08
TE76	Storage Tank	VOC	3.16	0.19
TE21	Storage Tank	VOC	0.14	0.01
TE72	Storage Tank	VOC	0.30	0.04
TE119	Storage Tank	VOC	5.22	0.31
TE121	Storage Tank	VOC	5.22	0.31
TE122	Storage Tank	VOC	5.22	0.31
TE123	Storage Tank	VOC	5.22	0.31
TG11	Rundown Tank	VOC	0.37	0.09
TG12	Rundown Tank	VOC	0.37	0.09

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<u>Point No. (1)</u>	<u>Name (2)</u>	<u>Name (3)</u>	<u>lb/hr</u>	
<u>TPY</u>				
UNLOAD	Unloading Spot	VOC	0.20	0.86
		NH ₃	0.03	0.12
RAIL	Rail Loading	VOC	0.66	
TRUCK	Truck Loading	VOC	0.98	
	Total Rail/Truck	VOC		0.55
RAILFUG	Piping Fugitives (4)	VOC	0.09	0.40
TRUCKFUG	Piping Fugitives (4)	VOC	0.02	0.07
RE22	Loading Incinerator	VOC	0.23	0.05
		NO _x	0.08	0.01
SAU	SAU Fugitives (4)	VOC	0.65	2.85
		NH ₃	0.02	0.10
AAU	AAU Fugitives (4)	VOC	0.31	1.36
JAUII	JAUII Fugitives (4)	VOC	0.26	1.13
TK2	Tank Area Fugitives (4)	VOC	0.03	0.13
TK3	Tank Area Fugitives (4)	VOC	0.14	0.63
TK4	Tank Area Fugitives (4)	VOC	0.01	0.04
TK5	Tank Area Fugitives (4)	VOC	<0.01	0.01
TK8	Tank Area Fugitives (4)	VOC	0.09	0.37

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<u>TPY</u>				
		NH ₃	0.09	0.37
TK9	Tank Area Fugitives (4)	VOC	0.06	0.24
TK10	Tank Area Fugitives (4)	VOC	0.04	0.16
RA22	Flare	VOC	0.60	0.41
		NH ₃	0.60	0.03
		NO _x	1.07	0.13
		CO	0.42	0.13
RG43	Fume Incinerator	VOC	1.65	5.43
		NO _x	2.29	10.00
		CO	0.86	3.78
		SO ₂	<0.01	<0.01
		PM	0.04	0.16
FE30	Unloading Scrubber	VOC	0.06	0.02
		NH ₃	0.10	0.01
FE41	Tank Scrubber	VOC	0.63	0.05
FE42	Tank Scrubber	VOC	1.17	0.18
FE-45	Tank Scrubber	VOC	0.64	0.09
FG-87 Only	Water Scrubber		Emergency	Use

(1) Emission point identification - either specific equipment

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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.

NH₃ - ammonia

NO_x - total oxides of nitrogen

CO - carbon monoxide

SO₂ - sulfur dioxide

PM - particulate matter, suspended in the atmosphere, including PM₁₀.

PM₁₀ - particulate matter equal to or less than 10 microns in diameter.

Where PM is not listed, it shall be assumed that no PM greater than 10 microns is emitted.

(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 _____