

EMISSION SOURCES - MAXIMUM ALLOWABLE EMISSION RATES

Permit Number 18775

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)	Emission Rates*	
			lb/hr	TPY**
Degreaser	Degreaser	VOC	0.69	0.35
E-1	West Fire Pump	VOC	0.43	0.01
		NO _x	5.43	0.14
		CO	1.17	0.03
		SO ₂	0.36	0.01
		PM ₁₀	0.39	0.01
E-2	East Fire Pump	VOC	0.43	0.01
		NO _x	5.43	0.14
		CO	1.17	0.03
		SO ₂	0.36	0.01
		PM ₁₀	0.39	0.01
E-3	Emergency Generator	VOC	1.11	0.03
		NO _x	13.95	0.36
		CO	3.01	0.08
		SO ₂	0.92	0.02
		PM ₁₀	0.99	0.03
F-1	Flare	VOC	30.59	9.28
		NO _x	2.34	4.46
		CO	20.04	38.23
		SO ₂	5.46	0.15
	Flare MSS	VOC	0.37	0.68
		SO ₂	0.01	0.01
FUG-1	Fugitives (4)	VOC	1.00	4.40

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			lb/hr	TPY**
MSSFUG	Fugitives from MSS (4)	VOC	7.64	0.69
L-1	Truck/Rail Loading (6)	VOC	6.54	0.55
L-2	Container Loading (6)	VOC	11.18	0.67
TK-133	Diesel Tank	VOC	0.06	0.01
TK-134	Diesel Tank	VOC	0.06	0.01
TK-135	Diesel Tank	VOC	0.06	0.01
TK-603A	Diesel Tank	VOC	0.06	0.01
TK-141	Caustic Tank	PM ₁₀	0.01	0.01
TK-603B	Diesel Tank	VOC	0.06	0.01
TK-211	Effluent Surge Tank	VOC	0.05	0.05
TK-305	Butyl Phenol Tank	VOC	0.62	0.10
TK-401	Tank	H ₂ SO ₄	0.01	0.01
TK-722	Stormwater Tank	VOC	0.01	0.01
WW-1	Wastewater Treatment	VOC	0.37	1.07
WW-2	Wastewater Collection System	VOC	1.02	2.99
CT-201	Cooling Tower	VOC	0.21	0.74
		PM	0.62	2.19
TK-601B	Diesel Tank (5)	VOC	0.06	0.01

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			lb/hr	TPY**
TK-511	Diesel Tank (5)	VOC	0.06	0.01
TK-550	Diesel Tank (5)	VOC	0.06	0.01
P-133	Stormwater Sump No. 1 Pump (5)	VOC	0.33	0.01
		NO _x	4.19	0.11
		CO	0.90	0.02
		PM ₁₀	0.30	0.01
		SO ₂	0.28	0.01
P-601B	Stormwater Sump No. 5 Pump (5)	VOC	0.33	0.01
		NO _x	4.19	0.11
		CO	0.90	0.02
		PM ₁₀	0.30	0.01
		SO ₂	0.28	0.01
ME-511	Portable Emergency Cooling Water Diesel Pump (5)	VOC	0.13	0.01
		NO _x	1.67	0.04
		CO	0.36	0.01
		PM ₁₀	0.12	0.01
		SO ₂	0.11	0.01
ME-550	Portable Water Diesel Pump (5)	VOC	0.08	0.01
		NO _x	1.01	0.03
		CO	0.22	0.01
		PM ₁₀	0.07	0.01
		SO ₂	0.07	0.01
MSSVT	Vacuum Truck MSS	VOC	4.87	0.23
MSSABB	Abrasive Blasting MSS	PM	0.01	0.01

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- (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 Title 30 Texas Administrative Code § 101.1
 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.
 H₂SO₄ - sulfuric acid
- (4) Emission rate is an estimate and compliance is demonstrated by meeting the requirements of the applicable special conditions, Attachment D, and permit application representations.
- (5) These emission sources are authorized under PBR and are included for reference only.

EPN	PBR	EPN	PBR
TK 601B	\$106.472	P-601B	\$106.512
TK 511	\$106.472	ME-511	\$106.511
TK 550	\$106.472	ME-550	\$106.511
P-133	\$106.512		

- (6) The Truck/Rail Loading (EPN L1) and the Container Loading (EPN L2) operations shall not occur simultaneously.

* 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

** Compliance with annual emission limits is based on a rolling 12-month period.

Dated: June 27, 2011