

Emission Sources - Maximum Allowable Emission Rates

Permit Number 56121

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, sources, and related activities. 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	
			lbs/hour	TPY (4)
Tanks Cap	Facility Wide Tank Cap (6)	VOC	(8)	64.14
		Benzene	(8)	0.42
		H ₂ S	(8)	1.22
T376	IFR Tank 376 (9)	VOC	7.69	(8)
		Benzene	0.07	(8)
		H ₂ S	0.15	(8)
T377	IFR Tank 377 (9)	VOC	4.83	(8)
		Benzene	0.04	(8)
		H ₂ S	0.09	(8)
T378	IFR Tank 378 (9)	VOC	7.74	(8)
		Benzene	0.07	(8)
		H ₂ S	0.15	(8)
T379	IFR Tank 379 (9)	VOC	7.74	(8)
		Benzene	0.07	(8)
		H ₂ S	0.15	(8)
T380	IFR Tank 380 (9)	VOC	7.69	(8)
		Benzene	0.07	(8)
		H ₂ S	0.15	(8)
T381	IFR Tank 381 (9)	VOC	7.69	(8)
		Benzene	0.07	(8)

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		H ₂ S	0.15	(8)
T382	IFR Tank 382 (9)	VOC	9.05	(8)
		Benzene	0.08	(8)
		H ₂ S	0.17	(8)
T383	IFR Tank 383 (9)	VOC	9.09	(8)
		Benzene	0.08	(8)
		H ₂ S	0.17	(8)
T384	IFR Tank 384 (9)	VOC	9.09	(8)
		Benzene	0.08	(8)
		H ₂ S	0.17	(8)
T385	IFR Tank 385 (9)	VOC	9.09	(8)
		Benzene	0.08	(8)
		H ₂ S	0.17	(8)
T386	IFR Tank 386 (9)	VOC	15.57	(8)
		Benzene	0.15	(8)
		H ₂ S	0.30	(8)
T387	IFR Tank 387 (9)	VOC	15.57	(8)
		Benzene	0.15	(8)
		H ₂ S	0.30	(8)
T388	EFR Tank 388 (9)	VOC	4.96	(8)
		Benzene	0.05	(8)
		H ₂ S	0.09	(8)
T389	EFR Tank 389 (9)	VOC	3.89	(8)
		Benzene	0.04	(8)
		H ₂ S	0.07	(8)

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T390	EFR Tank 390 (9)	VOC	4.96	(8)
		Benzene	0.05	(8)
		H ₂ S	0.09	(8)
T391	EFR Tank 391 (9)	VOC	4.97	(8)
		Benzene	0.05	(8)
		H ₂ S	0.09	(8)
T392	EFR Tank 392 (9)	VOC	4.96	(8)
		Benzene	0.05	(8)
		H ₂ S	0.09	(8)
T393	EFR Tank 393 (9)	VOC	4.91	(8)
		Benzene	0.04	(8)
		H ₂ S	0.09	(8)
T394	EFR Tank 394 (9)	VOC	4.99	(8)
		Benzene	0.05	(8)
		H ₂ S	0.10	(8)
T395	EFR Tank 395 (9)	VOC	3.90	(8)
		Benzene	0.04	(8)
		H ₂ S	0.07	(8)
T396	EFR Tank 396 (9)	VOC	3.68	(8)
		Benzene	0.03	(8)
		H ₂ S	0.07	(8)
T397	EFR Tank 397 (9)	VOC	4.99	(8)
		Benzene	5	(8)
		H ₂ S	0.10	(8)
FUG	Piping Fugitives (5)	VOC	2.24	9.79

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		H ₂ S	0.01	0.06
PGVENT	Line Air Purge Vents	VOC	2.56	5.78
MS	Maintenance Sump	VOC	0.09	0.38
DIESTANK	Diesel Tank Emergency Engine	VOC	0.39	<0.01
FIREPUMP	Emergency Diesel Firewater Pump Engine	VOC	0.58	0.15
		NOx	7.29	1.82
		CO	1.57	0.39
		SO ₂	0.48	0.12
		PM _{2.5}	0.60	0.15
		PM ₁₀	0.60	0.15

- (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
H₂S - hydrogen sulfide
CO - carbon monoxide
NOx - oxides of nitrogen
PM₁₀ - particulate matter of diameter 10 microns or less
PM_{2.5} - particulate matter of diameter 2.5 microns or less
- (4) Compliance with annual emission limits (tons per year) is based on a 12 month rolling period.
- (5) Emission rate is an estimate and is enforceable through compliance with the applicable special condition(s) and permit application representations.
- (6) The Facility Wide Tank Cap includes the Floating Roof Tanks (EPNs T376 through T397) and the Maintenance Sump Tank (EPN MS).
- (7) See individual emission points (EPNs T376 through T397, and MS) for maximum hourly emissions.
- (8) See Facility Wide Tank Cap (EPN Tanks Cap) for maximum annual emissions
- (9) At most, the facility can be emitting at an hourly rate of 50.90 lb VOC/hr. The filling and draining scenarios that generate this emission rate are noted in Special Condition 5.

Date: March 16, 2015