

Emission Sources - Maximum Emission Rates

Permit Number 35144

This table lists the maximum 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 revision of the facilities covered by this permit.

Air Contaminants Data

ESTIMATED SITEWIDE EMISSIONS															
EPN / Emission Source	Specific VOC or Other Pollutants	VOC		NOx		CO		PM ₁₀ /PM _{2.5}		SO ₂		CH ₂ O*		Other	
		lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
89 / 1,400 hp Solar T-1400 turbine		0.18	0.85	5.00	21.90	6.90	29.35	0.10	0.44	0.05	0.23	0.01	0.05		
90 / 1,400 hp Solar T-1400 turbine		0.18	0.85	5.00	21.90	6.90	29.35	0.10	0.44	0.05	0.23	0.01	0.05		
623 / 1,400 hp Solar T-1400 turbine		0.18	0.85	5.00	21.90	6.90	29.35	0.10	0.44	0.05	0.23	0.01	0.05		
643 / 1,250 hp Solar 10-1200 turbine		0.27	1.18	8.26	36.18	13.42	58.78	0.09	0.41	0.05	0.21	0.01	0.04		
736 / 1,250 hp Solar 10-1200 turbine		0.27	1.18	8.26	36.18	13.42	58.78	0.09	0.41	0.05	0.21	0.01	0.04		
Turbine blowdowns		13.85	1.73												
Turbine startups/shutdowns		0.60	0.15	0.80	0.20	75.00	18.75								
TK-1 / 400 bbl condensate tank		5.90	1.99												
TK-2 / 210 bbl condensate tank		0.09	0.41												
TK-3 / 210 bbl condensate tank		0.09	0.41												
TK-4 / 210 bbl slop oil tank		0.01	<0.01												
TK-5 / lube oil tank		0.01	<0.01												
LOADING / Truck loading		57.28	2.16												
Flare		0.94	4.10	0.24	1.05	0.39	1.70	<0.01	<0.01	0.02	0.07				
FUG / Site fugitives (5)		0.46	2.00												
TOTAL EMISSIONS (lbs/hr):		80.31		32.56		122.93		0.48		0.27		0.05			
TOTAL EMISSIONS (TPY):			17.86		139.31		226.05		2.15		1.18		0.24		
MAXIMUM OPERATING SCHEDULE:		Hours/Day		24	Days/Week		7	Weeks/Year		52	Hours/Year		8,760		

* Formaldehyde emissions are included in the VOC emissions.

- (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
- PM₁₀ - total particulate matter equal to or less than 10 microns in diameter, including PM_{2.5}, as represented
- PM_{2.5} - particulate matter equal to or less than 2.5 microns in diameter
- (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. Emission values should be used for federal applicability.

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Effective
Date:

September 2, 2011
