Emission Sources - Certified Emission Rates

Registration Number 99127

This table lists the certified emission rates and all sources of air contaminants on the applicant's property covered by this registration. The emission rates shown are those derived from information submitted as part of the registration for PBR.

CERTIFIED SITEWIDE EMISSIONS															
EPN / Emission Source	**Specific VOC or Other Pollutants**	**VOC**		**NOx**		**CO**		**$PM_{10}/PM_{2.5}$**		**SO_2**		**H_2S**		**Other**	
		lbs/hr	**tpy**	**lbs/hr**	**tpy**	**lbs/hr**	**tpy**	**lbs/hr**	**tpy**	**lbs/hr**	**tpy**	**lbs/hr**	**tpy**	**lbs/hr**	**tpy**
CONTINUOUS															
FUG / Sitewide fugitives (5)		0.35	1.52									<0.01	0.02		
HT / 0.50 MMBtu/hr heater treater		<0.01	0.01	0.05	0.22	0.04	0.18	<0.01	0.02	0.22	0.96	<0.01	0.01		
DAYS 1-54															
TANK1/400 bbl crude oil tank		0.03	0.02									<0.01	<0.01		
TANK2/400 bbl crude oil tank		0.03	0.02									<0.01	<0.01		
TANK3/400 bbl crude oil tank		0.03	0.02									<0.01	<0.01		
TANK4/400 bbl crude oil tank		0.03	0.02									<0.01	<0.01		
TANK5/400 bbl produced water tank		<0.01	<0.01									<0.01	<0.01		
C LOAD / Crude loading		22.32	2.13									0.09	0.01		
PW LOAD / Produced water loading		0.22	0.01									<0.01	<0.01		
COMB / 8.15 MMBtu/hr MRW combustor		2.82	1.83	0.80	0.52	0.67	0.43	0.06	0.04	0.97	0.63	0.01	0.01		
FLARE / Process flare		2.29	1.48	2.00	1.30	3.98	2.58	<0.01	<0.01	5.48	3.55	0.06	0.04		
REMAINDER OF YEAR															
TANK1/400 bbl crude oil tank		0.03	0.09									<0.01	<0.01		
TANK2/400 bbl crude oil tank		0.03	0.09									<0.01	<0.01		
TANK3/400 bbl crude oil tank		0.03	0.09									<0.01	<0.01		
TANK4/400 bbl crude oil tank		0.03	0.09									<0.01	<0.01		
TANK5/400 bbl produced water tank		<0.01	<0.01									<0.01	<0.01		
C LOAD / Crude loading		22.32	9.21									0.09	0.04		
PW LOAD / Produced water loading		0.22	0.06									<0.01	<0.01		
COMB / 8.15 MMBtu/hr MRW combustor		2.82	7.24	0.80	2.99	0.67	2.50	0.06	0.22	0.97	2.69	0.01	0.03		
FLARE / Process flare		Removed from operation after 54 days.													
TOTAL EMISSIONS (lbs/hr):		**28.12**		**2.85**		**4.69**		**0.06**		**6.67**		**0.17**			
TOTAL EMISSIONS (TPY):			**23.93**		**5.03**		**5.69**		**0.28**		**7.83**		**0.16**		
MAXIMUM OPERATING SCHEDULE:		**Hours/Day**		24		**Days/Week**		7		**Weeks/Year**		52		**Hours/Year**	8,760

* Hourly emissions are based on the highest hourly emission rates during the entire year.

** No planned MSS emissions have been represented or reviewed for this registration.

(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

Emission Sources - Certified Emission Rates

NO_x	-	total oxides of nitrogen
CO	-	carbon monoxide
PM_{10}	-	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
SO_2	-	sulfur dioxide
H_2S	-	hydrogen sulfide

(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.

Effective Date: November 18, 2011