Emission Sources - Certified Emission Rates

Registration Number 24733

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.

Air Contaminants Data

CERTIFIED SITEWIDE EMISSIONS															
EPN / Emission Source	New, existing,	voc		NOx		СО		PM ₁₀ /PM _{2.5}		SO ₂		CH₂O*		Other	
	or revised source	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
1 / H-102 stabilizer reboiler	existing	0.01	0.03	0.12	0.50	0.10	0.42	0.01	0.04	<0.01	<0.01				
3 / H-101 molecular sieve regenerator heater	existing	0.01	0.04	0.18	0.80	0.15	0.68	0.01	0.06	<0.01	0.01				
4 / Caterpillar 3508 (CM- 103)	existing	0.01	0.02	2.27	9.95	1.70	7.46	0.04	0.17	<0.01	0.01	<0.01	0.01		
5 / Caterpillar 3516 (CM- 101)	existing	0.01	0.05	4.78	20.95	4.31	18.86	0.08	0.36	0.01	0.02	0.01	0.03		
6 / Caterpillar 3516 (CM- 102)	existing	0.01	0.05	4.78	20.95	4.31	18.86	0.08	0.36	0.01	0.02	0.01	0.03		
7 / H-501 amine reboiler	existing	0.01	0.03	0.13	0.57	0.11	0.48	0.01	0.04	<0.01	<0.01				
8 / Amine regenerator vent	existing	3.31	14.49												
10 / Caterpillar G3406 (CM-101B)	existing	0.01	0.02	14.13	15.49	0.36	0.79	0.02	0.05	<0.01	<0.01	<0.01	0.01		
11 / Caterpillar G3406 (GM-101A)	existing	0.72	1.58	1.44	1.58	2.16	4.74	0.02	0.05	<0.01	<0.01	0.18	0.79		
12 / Emergency flare (pilot emissions only)	existing	0.18	0.01	0.03	0.13	0.06	0.25	<0.01	<0.01	<0.01	<0.01				
13 / Wastewater tank	existing	4.43	0.01												
15 / Methanol tank	existing	2.21	0.03												
16 / Dehydrator regenerator reboiler	new	<0.01	0.01	0.06	0.25	0.05	0.21	<0.01	0.02	<0.01	<0.01				
17 / Glycol still vent	new	0.69	3.00												
18 / Antifreeze tank	existing	<0.01	<0.01												
19 / Propane tank	existing	<0.01	<0.01												
FV / Fugitives	revised	0.75	3.29												
TOTAL EMISSIONS (lbs/hr):		12.36		27.93		13.31		0.29		0.02		0.20			
TOTAL EMISSIONS (TPY):			22.67		71.18		52.75		1.15		0.07		0.87		
MAXIMUM OPERATING SCHEDULE:		Hours/Day		24	1	Days/Week		7	Weeks/Year 52		2 Hours/Yea		/ear	8,760	

- * Formaldehyde emissions are included in the total VOC emissions.
- ** 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

CH₂O - formaldehyde

NO_x - total oxides of nitrogen CO - carbon monoxide

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

SO₂ - sulfur dioxide

- (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.

Project Number: 169682

Emission Sources - Certified Emission Rates

Effective	October 13, 2011
Date:	

Project Number: 169682