

Emission Sources - Certified Emission Rates

Registration Number 97073

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	Specific VOC or Other Pollutants	VOC		NOx		CO		PM ₁₀ /PM _{2.5}		SO ₂		CH ₂ O*		HAPs**	
		lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy	lbs/hr	tpy
MC3112 / 185 hp Ajax DPC 2801LE compressor engine (Serial Number: 85371)		1.00	4.38	0.82	3.57	1.63	7.15	0.01	0.06	<0.01	<0.01	0.12	0.54	0.15	0.66
DEHY-1 / Dehydration unit		0.11	0.50											0.03	0.13
H-1 / 0.125 MMBtu/hr glycol regenerator		<0.01	<0.01	0.01	0.05	0.01	0.05	<0.01	<0.01	<0.01	<0.01			<0.01	<0.01
TK-1 / 400 bbl condensate tank		0.35	1.52											0.01	0.05
TK-2 / 400 bbl condensate tank		0.35	1.52											0.01	0.05
TK-3 / 210 bbl condensate tank		0.29	1.29											0.01	0.04
TL-1 / Truck loading		42.38	0.14											1.45	<0.01
FUG / Sitewide fugitives		0.22	0.95											0.01	0.04
BD / Compressor blowdowns***		12.29	0.37											0.56	0.02
TOTAL EMISSIONS (lb/hr):		56.99		0.83		1.64		0.02		<0.01		0.12		2.23	
TOTAL EMISSIONS (TPY):			10.67		3.63		7.20		0.07		<0.01		0.54		0.99
MAXIMUM OPERATING SCHEDULE:		Hours/Day		24	Days/Week		7	Weeks/Year		52	Hours/Year		8,760		

* Formaldehyde emissions are included in the total VOC emissions.

** HAPs emissions are included in the total VOC emissions.

*** Planned MSS emissions from blowdowns for the 185 hp Ajax DPC 2801LE compressor engine (EPN MC3112) are based on 500 SCF per blowdown, 1 hour per blowdown, and 60 blowdowns per year. No other 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
- 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.

Effective
Date:

August 17, 2011