

# Emission Sources - Certified Emission Rates

Registration Number 84350

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 <sub>10</sub> /PM <sub>2.5</sub> |      | SO <sub>2</sub> |            | CH <sub>2</sub> O* |       | Other  |     |
|   |                                  | lbs/hr    | tpy   | lbs/hr | tpy       | lbs/hr | tpy   | lbs/hr                              | tpy  | lbs/hr          | tpy        | lbs/hr             | tpy   | lbs/hr | tpy |
| C2 (MC1318) / 1,340 hp Caterpillar G3516 TALE compressor engine equipped with AFRC (Serial Number 4EK03016) |                                  | 3.53      | 15.49 | 5.90   | 25.82     | 11.79  | 51.65 | 0.10                                | 0.43 | 0.01            | 0.03       | 0.88               | 3.87  |        |     |
| C2 / Compressor blowdowns   |                                  | 1.06      | 0.03  |        |           |        |       |                                     |      |                 |            |                    |       |        |     |
| H-1 / 0.50 MMBtu/hr regenerator   |                                  | <0.01     | 0.01  | 0.05   | 0.22      | 0.04   | 0.19  | <0.01                               | 0.02 | <0.01           | <0.01      |                    |       |        |     |
| DEHY / Dehydrator vent and flash tank   |                                  | 1.21      | 5.29  |        |           |        |       |                                     |      |                 |            |                    |       |        |     |
| OILTANK / 210 bbl oil (condensate) tank   |                                  | 0.77      | 3.36  |        |           |        |       |                                     |      |                 |            |                    |       |        |     |
| LOAD1 / Truck loading   |                                  | 41.81     | 0.07  |        |           |        |       |                                     |      |                 |            |                    |       |        |     |
| F-1 / Fugitives (5)   |                                  | 0.01      | 0.05  |        |           |        |       |                                     |      |                 |            |                    |       |        |     |
| TOTAL EMISSIONS (lbs/hr):   |                                  | 48.39     |       | 5.95   |           | 11.83  |       | 0.10                                |      | 0.01            |            | 0.88               |       |        |     |
| TOTAL EMISSIONS (TPY):  |                                  |           | 24.30 |        | 26.04     |        | 51.84 |                                     | 0.45 |                 | 0.03       |                    | 3.87  |        |     |
| 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.

\*\* Planned MSS emissions from compressor blowdowns for the 1,340 hp Caterpillar G3516 TALE compressor engine (EPN C2 - MC1318) are based on 1,000 SCF per blowdown, 1 hour per blowdown, and 60 blowdowns per year. No other planned MSS emissions have been represented or reviewed.

- (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  
 CH<sub>2</sub>O - formaldehyde  
 NO<sub>x</sub> - total oxides of nitrogen  
 CO - carbon monoxide  
 SO<sub>2</sub> - sulfur dioxide  
 PM<sub>10</sub> - total particulate matter equal to or less than 10 microns in diameter, including PM<sub>2.5</sub>, as represented  
 PM<sub>2.5</sub> - 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:

November 16, 2011