

The applicant estimates that emissions from the dehydrator, based on the manufacturer's data (for NOx and CO emissions) and GRI-GLYCalc Version 4.0 (for uncontrolled VOC emissions) and 8,760 hours of operation per year as follows, and has submitted the manufacturer's emissions data as verification:

Table 2 - Emissions for proposed 0.250 mmbtu/hr Dehydrator

Pollutant	Potential Emission Rate (lb/hr)	Potential Emission Rate (tpy)
NOx	0.025	0.11
VOC	0.045	0.20
CO	0.016	0.07

Springhill #2 Compressor Station's total facility-wide actual and potential emissions are as follows:

Table 3 – Actual and Potential Facility-Wide Emissions for Springhill #2 Station

Pollutant	Facility-Wide Actual Emission Rate (tpy)	Facility-Wide Potential Emission Rate (tpy)
NOx	19.5	19.5
VOC	4.2	4.2
CO	24.5	24.5

Atlas has proposed emission rates which will meet the emission requirements found in Condition 13 of GP-5. The applicant will be required to perform portable analyzer testing as prescribed in Condition 16 on the new Caterpillar #G3516LE engine within one hundred eighty (180) days of issuance of this General Permit. Subsequently, portable analyzer testing for NOx will be required on the compressor engine on an annual basis. Atlas will comply with the applicable recordkeeping and reporting requirements found in Condition 17.

Because the dehydrator has a total uncontrolled potential VOC emission rate of less than 10 tons per year, it is exempt from the requirements of Condition 13 except for 13.c.v. which states that it shall not emit malodorous air contaminants in such a manner that the malodors are detectable outside the facility property. Atlas must also maintain records for the dehydrator in accordance with Condition 17.d. including VOC emissions using GRI-GLYCalc software, actual throughput per day and the glycol circulation rate.

As such, I recommend that Atlas Pipeline Pennsylvania, LLC be authorized to use GP-5 for the construction of the new Caterpillar #G3516LE compressor engine and NATCO dehydrator at this location. GP5-26-00578 will include the two (2) emission sources discussed above and become effective on May 20, 2009 for a period of five years with an expiration date of May 20, 2014.