

**COMMONWEALTH OF PENNSYLVANIA**  
**Department of Environmental Protection**  
**Southwest Regional Office**  
May 20, 2009

**SUBJECT:** General Plan Approval/Operating Permit (GP-5)  
Natural Gas Production Facility  
Atlas Pipeline Pennsylvania, LLC  
Springhill #2 Compressor Station  
Springhill Township  
Fayette County

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**TO:** Air Quality File GP5-26-00587

**FROM:** Nick Waryanka, P.E.  
Air Quality Engineer  
Air Quality Program



**THROUGH:** Mark Gorog, P.E.  
Environmental Engineer Manager  
Air Quality Program



Atlas Pipeline Pennsylvania, LLC (Atlas) has applied to use GP-5 at a new natural gas production facility to be known as Springhill #2 Compressor Station located in Springhill Township, Fayette County to permit the installation and operation of the following equipment:

- One 1,340 bhp Caterpillar Compressor Engine, Model No. G3516LE manufactured on April 7, 2006
- One 0.250 mmbtu/hr Natco Dehydrator manufactured in July 2008

The applicant estimates that emissions from the engine, based on the manufacturer's data and 8,760 hours of operation per year as follows, and has submitted the manufacturer's emissions data as verification:

**Table 1 – Emissions for proposed Caterpillar #G3516LE**

Pollutant	Potential Emission Rate (gm/bhp)	GP-5 Allowable Emission Rate (gm/bhp)	Potential Emission Rate (lb/hr)	Potential Emission Rate (tpy)
NOx	1.50	2.0	4.43	19.4
VOC	0.31	2.0	0.92	4.0
CO	1.89	2.0	5.58	24.4