

COMMONWEALTH OF PENNSYLVANIA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
SOUTHWEST REGION - FIELD OPERATIONS
AIR QUALITY
400 WATERFRONT DRIVE
PITTSBURGH, PENNSYLVANIA 15222-4745

OCT 15 1996

DEP AIR QUALITY
DIV. OF PERMITS

RACT OPERATING PERMIT

In accordance with provisions of the Air Pollution Control Act, of January 8, 1960, P.L. 2119, as amended, and after due consideration of an application received under Chapter 127 of the Rules and Regulations of the Department of Environmental Protection, the Department hereby issues this permit for the operation of the air contamination source described below.

Permit No.: 03-000-183

Source: Natural Gas Compressors

Owner: Apollo Gas Company

Air: OEM Retrofit

Address: 800 Regis Avenue
Pittsburgh, PA 15236

Cleaning:
Devices:

Attention: Dale Jones
Environmental Engineer

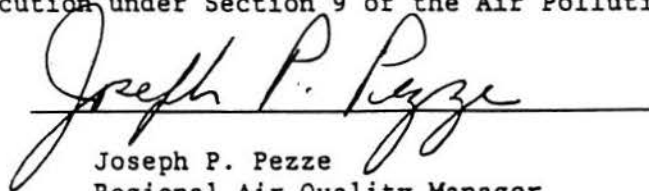
Plant: Shoemaker Station
Location: Bethel Township
County: Armstrong

This permit is subject to the following conditions:

- (1) That the source and any associated air cleaning devices are to be:
 - (a) operated in such a manner as not to cause air pollution;
 - (b) operated and maintained in a manner consistent with good operating and management practices.
- (2) This permit valid only for the specific equipment, location and owner named above.
- (3) See attached.

Failure to comply with the conditions placed on this permit is a violation of Section 127.444. Violation of this or any other provision of Article III of the Rules and Regulations of the Department of Environmental Protection will result in suspension or revocation of this permit and/or prosecution under Section 9 of the Air Pollution Control Act.

Issued: 09/12/96


Joseph P. Pezze
Regional Air Quality Manager
Southwest Region

~~Permit Term: 9/12/96 - 9/12/01~~

Apollo Natural Gas
RACT PERMIT: #03-000-183

Special Conditions

3. This RACT Operating Permit is for the OEM (lean combustion retrofit modifications) on the Cooper GMVH-6 and the Cooper GMVH-6c engines at the Apollo Natural Gas/Shoemaker Station located in Armstrong County.
4. Apollo Natural Gas shall perform stack testing by a qualified testing firm on the Cooper GMVH-6 and the GMVH-6c engines. This will be performed in 1996 and every five years thereafter to determine the emission rates of nitrogen oxides (NOx), carbon monoxide (CO), and volatile organic compounds (VOC's). Testing shall be conducted while engines are operating at full load and full speed during the ozone season (April to October).
5. Apollo Natural Gas Company shall quantify emissions semi-annually (two times per year) each engine at the Shoemaker Station by using a portable analyzer. Apollo Natural Gas Company shall submit a complete operating procedure for the portable analyzer, including calibration, QA/QC, and emissions calculations methods. Results from semi-annual stack tests conducted with portable analyzers shall be retained on site, and be made available to the Department upon request.
6. Stack testing shall be performed in accordance with 25 PA. Code Chapter 139 regulations and the Department's source testing manual.
7. Two copies of a pre-test protocol shall be submitted to the Department for review at least 60 days prior to the performance of the stack test.
8. The Department shall be notified at least two weeks prior to the stack test of the date and time of the test so that an observer may be present.
9. Two copies of the stack test results shall be supplied to the Department for review within 60 days of completion of testing.
10. The company shall maintain records in accordance with the minimum recordkeeping requirements of 25 PA Code Section 129.95.
 - (1) The records shall provide sufficient data to clearly demonstrate of PA Code Sections 129.91 - .94 are met.

(2) Records shall be retained for at least two years and shall be made available to the Department on request.

11. The Department may revise the allowable NOx and VOC emission rates based on the results of the stack tests.

12. The combined allowable emission rates of the two natural gas fueled engines at the Shoemaker Station are as follows:

Unit	NOx lbs/hr	tpy	VOC lbs/hr	tpy
Cooper GMVH-6	8.4	37	3.2	14
Cooper GMVH-6C	7.0	31	4.2	18.5

13. Issuance of an operating permit is contingent upon satisfactory compliance with all Plan Approval conditions and upon demonstration that the emissions from the source will not be in violation of the applicable rules and regulations of the Department of Environmental Resources' Regulations.

14. Emission reductions of the targeted contaminant(s) below the level specified in this approval which are achieved by optimizing the effectiveness of equipment installed pursuant to this operating permit are not surplus emission reductions, and thus, may not be used to generate Emission Reduction Credits. In order for the emission reductions must satisfy the requirements of 25 Pa. Code Chapter 127, Subchapter E.

15. This Plan Approval does not waive, either expressly or by implication, the power of authority of the Commonwealth of Pennsylvania to prosecute for any and all violations of law arising prior to or after issuance of this Plan Approval. The issuance of this Plan Approval shall not be construed so as to waive or impair any rights of the Department of Environmental Resources, heretofore to hereafter existing.

16. This operating permit is valid for limited time only and may be renewed pursuant to 25 Pa. Code 127.446 before its expiration. An application for an operating permit renewal shall be submitted at least six and not more than 18 months before expiration of the existing permit. The application must be complete and accompanied by the permit fees required by Subchapter 1 of 25 Pa. Code, Chapter 127. The source may not be operated without a valid operating permit. Operation of the source without an appropriate permit from the Department may subject the company to enforcement action.

