



State of Ohio Environmental Protection Agency

STREET ADDRESS:

1800 WaterMark Drive
Columbus, OH 43215-1099

TELE: (614) 644-3020 FAX: (614) 644-2329

MAILING ADDRESS:

P.O. Box 1049
Columbus, OH 43216-1049

Re: Permit to Install
Washington County
Application No: 06-5387

CERTIFIED MAIL

November 23, 1998

E OHIO GAS-FEARING COMPRESSOR STATION
ROGER WALTERS
17045 GALEHOUSE ROAD
DOYLESTOWN, OH 44230

Enclosed please find an Ohio EPA Permit to Install which will allow you to install the described source(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions I urge you to read it carefully.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. It must be filed with the Environmental Review Appeals Commission within thirty (30) days after notice of the Director's action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. It is also requested by the Director that a copy of the appeal be served upon the Environmental Enforcement Section of the Office of the Attorney General. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,

Thomas G. Rigo
Thomas G. Rigo, Manager
Field Operations & Permit Section
Division of Air Pollution Control

cc: US EPA
SOUTHEAST DISTRICT OFFICE, DAPC



Permit to Install Terms and Conditions

Application No. 06-5387
APS Premise No. 0684020223
Permit Fee: \$200.00

Name of Facility: E OHIO GAS-FEARING COMPRESSOR STATION

Person to Contact: ROGER WALTERS

Address: 17045 GALEHOUSE ROAD
DOYLESTOWN, OH 44230

Location of proposed source(s): TWP RD 528 1 MILE N OF STATE ROUTE 26
MARIETTA, OHIO

Description of proposed source(s):
500 HP NATURAL GAS COMPRESSOR ENGINE.

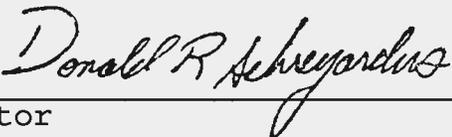
Date of Issuance: November 23, 1998

Effective Date: November 23, 1998

The above named entity is hereby granted a permit to install for the above described source(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described source(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described source(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency



Director

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Facility Name: **E Ohio Gas-Fearing Compressor Station**

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GENERAL PERMIT CONDITIONS

TERMINATION OF PERMIT TO INSTALL

Substantial construction for installation must take place within 18 months of the effective date of this permit. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

NOTICE OF INSPECTION

The Director of the Ohio Environmental Protection Agency, or his authorized representatives, may enter upon the premises of the above-named applicant during construction and operation at any reasonable time for the purpose of making inspections, conducting tests, or to examine records or reports pertaining to the construction, modification or installation of the source(s) of environmental pollutants identified within this permit.

CONSTRUCTION OF NEW SOURCES

The proposed source(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed source(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of Ohio Administrative Code (OAC) Rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations.

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Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet applicable standards.

PERMIT TO INSTALL FEE

In accordance with Ohio Revised Code 3745.11, the specified Permit to Install fee must be remitted within 30 days of the effective date of this permit to install.

PUBLIC DISCLOSURE

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC Rule 3745-49-03.

APPLICABILITY

This Permit to Install is applicable only to the contaminant sources identified. Separate application must be made to the Director for the installation or modification of any other contaminant sources.

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BEST AVAILABLE TECHNOLOGY

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

PERMIT TO OPERATE APPLICATION

A Permit to Operate application must be submitted to the appropriate field office for each air contaminant source in this Permit to Install. In accordance with OAC Rule 3745-35-02, the application shall be filed no later than thirty days after commencement of operation.

SOURCE OPERATION AFTER COMPLETION OF CONSTRUCTION

This facility is permitted to operate each source described by this permit to install for a period of up to one year from the date the source commenced operation. This permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws and regulations.

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AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **E Ohio Gas-Fearing Compressor Station** located in **Washington** County. The emissions units listed below shall not exceed the emission limits/control requirements contained in the table. This condition in no way limits the applicability of any other state or federal regulations. Additionally, this condition does not limit the applicability of additional special terms and conditions of this permit.

<u>Ohio EPA Source Number</u>	<u>Source Identification Description</u>	<u>BAT Determination</u>	<u>Applicable Federal & OAC Rules</u>	<u>Permit Allowable Mass Emissions and/or Control/Usage Requirements</u>
B001	500 HP compressor engine - ID No. 7301	Use of natural gas and compliance with all applicable regulations	3745-31-05 (A) (3) 3745-17-11 (B) (5) (b)	CO: 15.5 pounds/hour 54.25 tons/year NO _x : 11.04 pounds/hour 38.64 tons/year VOC: 2.2 pounds/hour 7.7 tons/year PM: 0.310 pound per million Btu of actual heat input 0.39 pound/hour 1.38 tons/year Rolling twelve month operating limit of 7,000 hours.
			3745-17-07 (A)	Visible particulate emissions shall not exceed 20 percent opacity, as a 6-minute average, except as provided by rule.

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SUMMARY
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
CO	54.25
NO _x	38.64
VOC	7.7
PM	1.38

RECORD(S) RETENTION AND AVAILABILITY

All records required by this Permit to Install shall be retained on file for a period of not less than three years unless otherwise indicated by Ohio Environmental Protection Agency. All records shall be made available to the Director, or any representative of the Director, for review during normal business hours.

WASTE DISPOSAL

The owner/operator shall comply with any applicable state and federal requirements governing the storage, treatment, transport and disposal of any waste material generated by the operation of the sources.

MAINTENANCE OF EQUIPMENT

This source and its associated air pollution control system(s) shall be maintained regularly in accordance with good engineering practices and the recommendations of the respective manufacturers in order to minimize air contaminant emissions.

MALFUNCTION/ABATEMENT

In accordance with OAC RULE 3745-15-06, any malfunction of the source(s) or associated air pollution control system(s) shall be reported immediately to the **Ohio EPA, Southeast District Office, 2195 Front Street, Logan, OH 43138.**

Except as provided by OAC Rule 3745-15-06(A)(3), scheduled maintenance of air pollution control equipment that requires the shutdown or bypassing of air pollution control system(s) must be accompanied by the shutdown of the associated air pollution sources.

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AIR POLLUTION NUISANCES PROHIBITED

The air contaminant source(s) identified in this permit may not cause a public nuisance in violation of OAC Rule 3745-15-07.

NINETY DAY OPERATING PERIOD

The facility will be permitted to operate during a 90-day-period in accordance with OAC Rule 3745-35-02(C)(4)(b). The purpose of this period of operation is to fulfill the performance tests conditions used in the determination of compliance with the provisions of this Permit to Install or other applicable Ohio EPA rules.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

A. Operational Restrictions

1. Operation of the 500 hp Natural Gas Compressor shall not exceed 7,000 hours per year on a rolling 12- month total.

B. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain monthly records of the hours of operation, based on a rolling twelve-month summation.

C. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports of any monthly record which shows that the hours of operation exceed 7,000 hours based on a rolling 12 month summation. The notification shall include a copy of such record and shall be sent to the Ohio EPA, Southeast District Office within 45 days after the end of the month during which the exceedance occurs.

D. Testing/Compliance Determination

1. Emission Limitation

PM

0.31 lb/MMBtu, 0.39 lb/hr, and 1.38 tons/yr

Applicable Compliance Method

Compliance with the particulate matter emission limit of 0.31 pound per million Btu of actual heat input is demonstrated by use of the AP-42, 5th Edition emission

factor, table 3.2-4, for Heavy Duty Natural Gas Fired Pipeline Compressor Engines (0.029 lb of particulate matter/million Btu of actual heat input). Compliance with the particulate matter emission limits 0.39 pound per hour and .1.38 ton per year shall be determined by using the emission factor 0.029 lb of particulate matter/million Btu of actual heat X 1.27 million Btu heat input per hour = 0.039 pound per hour X 7,000 hours of operation per year = .128 ton per year. Emission tests also may be required in accordance with 40 CFR Part 60, Appendix A, Methods 1-5 and the procedures specified in OAC rule 3745-17-03. No emission testing is specifically required to demonstrate compliance with this limit but, if appropriate, may be requested pursuant to OAC rule 3745-15-04(A).

2. Emission Limitation

20 percent opacity

Visible particulate emissions shall not exceed 20 percent opacity, as a 6-minute average, except as provided by rule.

Applicable Compliance Method

Compliance with the visible emission limit shall be determined through visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1). No visible emission testing is specifically required to demonstrate compliance with this limit but, if appropriate, may be requested pursuant to OAC rule 3745-15-04(A).

3. Emission Limitation

CO

15.5 lbs/hr, and 54.25 tons/yr

Applicable Compliance Method

Compliance shall be based upon the manufacturer's emission rate of 15.5 lbs./hr. X 7,000 hrs/yr = 54.25 tons/yr.

4. Emission Limitation

NO_x

11.04 lbs/hr, and 38.64 tons/yr.

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Applicable Compliance Method

Compliance shall be based upon the manufacturer's emission rate of 11.04 lbs./hr. X 7,000 hrs/yr = 38.64 tons/yr.

5. Emission Limitation

VOC

2.2 lbs/hr

Applicable Compliance Method

Compliance shall be based upon the manufacturer's emission rate of 2.2 lbs./hr. X 7,000 hrs/yr = 7.7 tons/yr.