



State of Ohio Environmental Protection Agency

O.E.P.A.
S.E.D.O.

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99 FEB 23 11 14 AM '99
P.O. Box 1049
Columbus, OH 43216-1049

Re: Permit to Install
Washington County
Application No: 06-5604

CERTIFIED MAIL

February 18, 1999

MARBEL ENERGY CORP-GAS TRANSPORT #7
HOWARD BALDWIN
P O BOX 1323
PARKERSBURG, WV 26102

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, Manager
Field Operations & Permit Section
Division of Air Pollution Control

cc: US EPA
SOUTHEAST DISTRICT OFFICE, DAPC

George V. Voinovich, Governor
Nancy P. Hollister, Lt. Governor
Donald R. Schregardus, Director



Permit to Install Terms and Conditions

Application No. 06-5604
APS Premise No. 0684000209
Permit Fee: \$400.00

Name of Facility: MARBEL ENERGY CORP-GAS TRANSPORT #7

Person to Contact: HOWARD BALDWIN

Address: P O BOX 1323
PARKERSBURG, WV 26102

Location of proposed source(s): W SIDE OF C R 10, 1 M SOUTH OF S R 550
WARREN TOWNSHIP, OHIO

Description of proposed source(s):
NATURAL GAS COMPRESSOR 149 HP.

Date of Issuance: February 18, 1999

Effective Date: February 18, 1999

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: **Marbel Energy Corp-Gas Transport #7**

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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.

Facility Name: **Marbel Energy Corp-Gas Transport #7**Application Number: **06-5604**Date: **February 18, 1999**AIR EMISSION SUMMARY

The air contaminant emissions units listed below comprise the Permit to Install for **Marbel Energy Corp-Gas Transport #7** 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.

Ohio EPA Source <u>Number</u>	Source Identification <u>Description</u>	BAT <u>Determination</u>	Applicable Federal & <u>OAC Rules</u>	Permit Allowable Mass Emissions and/or Control/Usage <u>Requirements</u>
P001	149 Hp compressor engine - ID gas transport no. 7	Use of natural gas and compliance with all applicable regulations	3745-31-05 (A) (3)	CO: 0.89 pound/hour 3.9 tons/year NO _x : 4.96 pounds/hour 21.7 tons/year OC: 0.72 pound/hour 3.2 tons/year
			3745-17-11 (B) (5) (a)	PM: 0.310 pound per million Btu of actual heat input 0.35 pound/hour 1.53 tons/year
			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	3.9
NO _x	21.7
OC	3.2
PM	1.53

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.

REPORTING REQUIREMENTS

Unless otherwise specified, reports required by the Permit to Install need only be submitted to **Ohio EPA, Southeast District Office, 2195 Front Street, Logan, OH 43138.**

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

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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.

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.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

A. Operational Restrictions

1. The permittee shall burn only natural gas in this emission unit.

B. Monitoring and/or Recordkeeping Requirements

1. For each day during which the permittee burns a fuel other than natural gas, the permittee shall maintain a record of the type and quantity of the fuel burned in this emission unit.

C. Reporting Requirements

1. The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emission unit. Each report shall be submitted within 30 days after the deviation occurs.

D. Testing/Compliance Determination

1. Emission Limitation

0.31 lb/MMBtu and 0.35 lb PM/hr

Applicable Compliance Method

Compliance with the particulate matter emission limit of 0.310 pound per million Btu of actual heat input is demonstrated upon multiplying the maximum hourly gas burning capacity of the emission unit (1.13 MMBtu/hr) by the AP-42 emission factor (1992 revision) for diesel fuel (0.31 lb/MMBtu). Note: There is no emission factor for

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burning natural gas but it is assumed to burn at least as clean as diesel fuel.

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

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

0.89 lb CO/hr

Applicable Compliance Method

Compliance shall be based upon multiplying the maximum horsepower of the emission unit (149 hp) by the manufacturer's emission factor of 0.00595 lb CO/hp-hr.

4. Emission Limitation

4.96 lbs NO_x/hr

Applicable Compliance Method

Compliance shall be based upon multiplying the maximum horsepower of the emission unit (149 hp) by the manufacturer's emission factor of 0.0332 lb NO_x/hp-hr.

5. Emission Limitation

0.72 lb OC/hr

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Applicable Compliance Method

Compliance shall be based upon multiplying the maximum horsepower of the emission unit (149 hp) by the manufacturer's emission factor of 0.00485 lb OC/hp-hr.

6. Emission Limitation

1.53 tons PM/yr, 3.9 tons CO/yr, 21.7 tons NO_x/yr and 3.2 tons OC/yr

Applicable Compliance Method

Compliance shall be based upon multiplying the hourly emission rate times 8,760 hours/yr and then divide by 2,000 lbs/ton.