



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
Marion County
Application No: 03-9979
SYNTHETIC MINOR

CERTIFIED MAIL

RECEIVED

January 8, 1997

JAN 12 1997

PROSPECT MUNICIPAL ELECTRIC DEPT
KENNETH BLUE
P.O. BOX 186
PROSPECT, OH 43342

OHIO E.P.A.
N.W.D.O.

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 Board of Review 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 Board of Review 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 Board. An appeal may be filed with the Environmental Board of Review at the following address:

Environmental Board of Review
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
NORTHWEST DISTRICT OFFICE, DAPC

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



Permit to Install Terms and Conditions

Application No. 03-9979
APS Premise No. 0351000079
Permit Fee: \$200.00

Name of Facility: PROSPECT MUNICIPAL ELECTRIC DEPT

Person to Contact: KENNETH BLUE

Address: P.O. BOX 186
PROSPECT, OH 43342

Location of proposed source(s): 7297 ST RT 203 SOUTH
PROSPECT, OHIO

Description of proposed source(s):
1800 KW DIESEL GENERATOR (FOR PEAK SHAVING ABILITY & EMERGEN
CY STANDBY SERVICE).

Date of Issuance: January 8, 1997

Effective Date: January 8, 1997

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

Donald R. Schreyer

Director

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. 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 prove to be inadequate or 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.

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, regulations, and policies.

AIR EMISSION SUMMARY

The air contaminant sources listed below comprise the Permit to Install for PROSPECT MUNICIPAL ELECTRIC DEPT located in Marion County. The sources 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>
P001	1800 KW diesel generator (Diesel #1)	Compliance with terms and conditions of this permit; use of low sulfur #2 fuel oil	3745-31-05 3745-17-11 (B) (5) 3745-18-06 (A) 3745-23-06 (B) 3745-21-08	4.3 lbs PM/hr 8.6 lbs SO ₂ /hr 57.4 lbs NO _x /hr 10.2 lbs CO/hr 0.4 lb VOC/hr

SUMMARY

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons/Year</u>
PM	18.83
SO ₂	37.67
NO _x	86.10
CO	15.3
VOC	0.6

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 OEPA Northwest District Office - DAPC, 347 North Dunbridge Road, Bowling Green, Ohio 43402.

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 OEPA Northwest District Office - DAPC, 347 North Dunbridge Road, Bowling Green, Ohio 43402.

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.

CONSTRUCTION COMPLIANCE CERTIFICATION

The applicant shall provide Ohio EPA with a written certification (see enclosed form) that the facility has been constructed in accordance with the Permit to Install application and the terms and conditions of the Permit to Install. The certification shall be provided to Ohio EPA upon completion of construction but prior to startup of the source.

ADDITIONAL SPECIAL TERMS AND CONDITIONS

A. INTRODUCTION

The purpose of this permit to install (PTI Number 03-9979) is to allow Prospect Municipal Electric Department to install an 1800 kW diesel internal combustion engine and ancillary equipment to provide peak shaving ability and emergency

standby service (emissions unit P001). The engine can burn a maximum of 124.7 gallons per hour of low sulfur #2 fuel oil at its maximum heat input of 17.02 MMBTU/hr. Emission limitations for this unit are based on testing conducted on a similar emissions unit provided by the equipment manufacturer. Because the potential emissions for this emissions unit are greater than 250 tons per year for NO_x, the company has submitted a synthetic minor PTI to avoid Title V and PSD permitting requirements.

B. APPLICABLE EMISSION LIMITATIONS AND/OR CONTROL REQUIREMENTS

1. The emissions of particulate matter (PM) from emissions unit P001 shall not exceed 0.25 pound per million BTU actual heat input (4.3 pounds per hour at maximum heat input).
2. The emissions of sulfur dioxide (SO₂) from emissions unit P001 shall not exceed 0.50 pound per million BTU actual heat input (8.6 pounds per hour at maximum heat input).
3. The emissions of nitrogen dioxide (NO_x) from emissions unit P001 shall not exceed 3.37 pounds per million BTU actual heat input (57.4 pounds per hour at maximum heat input).
4. The emissions of carbon monoxide from emissions unit P001 shall not exceed 0.60 pound per million BTU actual heat input (10.2 pounds per hour at maximum heat input).
5. The emissions of organic compounds (OC) from emissions unit P001 shall not exceed 0.023 pound per million BTU actual heat input (0.4 pound per hour at maximum heat input).
6. The sulfur content (weight percent) of each delivery of #2 fuel oil (diesel fuel) received at the facility shall be at a level that will comply with the allowable SO₂ emission limitation of 0.50 pound of sulfur dioxide per MMBTU actual heat input. (See condition (D)(2) below).

C. OPERATIONAL RESTRICTIONS

1. The maximum annual diesel fuel consumption in emissions unit P001 shall not exceed 374,100 gallons, based on a rolling, 12 month summation of the gallons combusted.

To ensure enforceability during the first 12 calendar months of operation following the issuance of this permit, the permittee shall not exceed the fuel consumption levels specified in the following table:

<u>Months</u>	<u>Maximum Allowable Cumulative Diesel Fuel Consumption</u>
October	3,150
November	6,300
December	63,550
January	123,550
February	180,800
March	183,950
April	187,100
May	190,600
June	250,600
July	310,600
August	370,600
September	374,100

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual fuel consumption limitation shall be based upon a rolling, 12 month summation of the gallons of diesel fuel combusted.

2. The permittee shall not accept any shipment of diesel fuel that does not comply with condition (B) (6) above.

D. MONITORING AND/OR RECORDKEEPING REQUIREMENTS

1. The permittee shall maintain monthly records for emissions unit P001 which contain the following information:
 - a. the number of hours the emissions unit was operated;
 - b. the number of gallons of diesel fuel combusted each month;
 - c. during the first 12 calendar months of operation following the issuance of this permit, the cumulative number of gallons of diesel fuel consumed to ascertain compliance with condition (C) (1) above; and
 - d. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling, 12 month summation of the gallons of diesel fuel consumed.
2. The permittee shall either conduct, or have conducted fuel sampling and analysis in accordance with 40 CFR, Part 60, Appendix A, Method 19, or the appropriate ASTM methods, or equivalent methods as approved by the Director of the Ohio EPA of each shipment of diesel fuel received at the facility or, shall require the fuel supplier to supply a representative fuel analyses with

each shipment of diesel fuel received at the facility. The following data shall be recorded for each shipment of oil received:

- a. the heat content in BTU/gallon;
- b. the weight percent ash;
- c. the weight percent sulfur;
- d. the number of gallons received;
- e. the date of receipt; and
- f. the representative sulfur dioxide emission rate calculated using the formula in OAC Rule 3745-18-04 (F) (2) Measurement Methods and Procedures.

The results of these analyses shall be maintained in the facility's files for a period of not less than three years. Records of these sulfur dioxide emission rate calculations shall also be retained in the company's files for a period of at least three years. All records and calculations shall be made available to the Ohio EPA upon request.

E. REPORTING REQUIREMENTS

1. The permittee shall submit annual deviation (excursion) reports which identify all exceedances of the rolling, 12 month fuel consumption limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable monthly fuel consumption levels.

F. TESTING REQUIREMENTS

None

G. MISCELLANEOUS REQUIREMENTS

1. The emissions limitations and the associated compliance documentation requirements of this permit are federally enforceable.