



John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

11/5/2012

Kenneth Blue
PROSPECT MUNICIPAL ELECTRIC DEPT
139 N Main St
PROSPECT, OH 43342

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0351000079
Permit Number: P0110520
Permit Type: Renewal
County: Marion

Certified Mail

No	TOXIC REVIEW
No	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
Yes	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MODELING SUBMITTED
Yes	SYNTHETIC MINOR TO AVOID TITLE V
Yes	FEDERALLY ENFORCABLE PTIO (FEPTIO)
No	SYNTHETIC MINOR TO AVOID MAJOR GHG

Dear Permit Holder:

Enclosed please find a final Ohio Environmental Protection Agency (EPA) Air Pollution Permit-to-Install and Operate (PTIO) which will allow you to install, modify, and/or operate the described emissions unit(s) in the manner indicated in the permit. Because this permit contains conditions and restrictions, please read it very carefully. In this letter you will find the information on the following topics:

- **How to appeal this permit**
- **How to save money, reduce pollution and reduce energy consumption**
- **How to give us feedback on your permitting experience**
- **How to get an electronic copy of your permit**

How to appeal this permit

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 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. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of \$70.00, made payable to "Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
77 South High Street, 17th Floor
Columbus, OH 43215

How to save money, reduce pollution and reduce energy consumption

The Ohio EPA is encouraging 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 Compliance Assistance and Pollution Prevention at (614) 644-3469. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: www.ohioairquality.org/clean_air

How to give us feedback on your permitting experience

Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

How to get an electronic copy of your permit

This permit can be accessed electronically via the eBusiness Center: Air Services in Microsoft Word format or in Adobe PDF on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab.

If you have any questions, please contact Ohio EPA DAPC, Northwest District Office at (419)352-8461 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



Michael W. Ahern, Manager
Permit Issuance and Data Management Section, DAPC

Cc: Ohio EPA-NWDO



FINAL

**Division of Air Pollution Control
Permit-to-Install and Operate
for
PROSPECT MUNICIPAL ELECTRIC DEPT**

Facility ID:	0351000079
Permit Number:	P0110520
Permit Type:	Renewal
Issued:	11/5/2012
Effective:	11/5/2012
Expiration:	11/5/2017



Division of Air Pollution Control
Permit-to-Install and Operate
for
PROSPECT MUNICIPAL ELECTRIC DEPT

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Final Permit-to-Install and Operate
PROSPECT MUNICIPAL ELECTRIC DEPT
Permit Number: P0110520
Facility ID: 0351000079
Effective Date: 11/5/2012

Authorization

Facility ID: 0351000079
Application Number(s): A0045196
Permit Number: P0110520
Permit Description: Renewal FEPTIO for a 1800 kW emergency and peak shaving diesel generator.
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 11/5/2012
Effective Date: 11/5/2012
Expiration Date: 11/5/2017
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

PROSPECT MUNICIPAL ELECTRIC DEPT
7317 Prospect-Delaware Road
Prospect, OH 43342

of a Permit-to-Install and Operate for the emissions unit(s) identified on the following page.

Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Northwest District Office
347 North Dunbridge Road
Bowling Green, OH 43402
(419)352-8461

The above named entity is hereby granted this Permit-to-Install and Operate for the air contaminant source(s) (emissions unit(s)) listed in this section 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 described emissions unit(s) will operate in compliance with applicable State and federal laws and regulations.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency


Scott J. Nally
Director



Final Permit-to-Install and Operate
PROSPECT MUNICIPAL ELECTRIC DEPT
Permit Number: P0110520
Facility ID: 0351000079
Effective Date: 11/5/2012

Authorization (continued)

Permit Number: P0110520

Permit Description: Renewal FEPTIO for a 1800 kW emergency and peak shaving diesel generator.

Permits for the following Emissions Unit(s) or groups of Emissions Units are in this document as indicated below:

Emissions Unit ID:	P001
Company Equipment ID:	P001
Superseded Permit Number:	03-9979
General Permit Category and Type:	Not Applicable



Final Permit-to-Install and Operate
PROSPECT MUNICIPAL ELECTRIC DEPT
Permit Number: P0110520
Facility ID: 0351000079
Effective Date: 11/5/2012

A. Standard Terms and Conditions



1. What does this permit-to-install and operate ("PTIO") allow me to do?

This permit allows you to install and operate the emissions unit(s) identified in this PTIO. You must install and operate the unit(s) in accordance with the application you submitted and all the terms and conditions contained in this PTIO, including emission limits and those terms that ensure compliance with the emission limits (for example, operating, recordkeeping and monitoring requirements).

2. Who is responsible for complying with this permit?

The person identified on the "Authorization" page, above, is responsible for complying with this permit until the permit is revoked, terminated, or transferred. "Person" means a person, firm, corporation, association, or partnership. The words "you," "your," or "permittee" refer to the "person" identified on the "Authorization" page above.

The permit applies only to the emissions unit(s) identified in the permit. If you install or modify any other equipment that requires an air permit, you must apply for an additional PTIO(s) for these sources.

3. What records must I keep under this permit?

You must keep all records required by this permit, including monitoring data, test results, strip-chart recordings, calibration data, maintenance records, and any other record required by this permit for five years from the date the record was created. You can keep these records electronically, provided they can be made available to Ohio EPA during an inspection at the facility. Failure to make requested records available to Ohio EPA upon request is a violation of this permit requirement.

4. What are my permit fees and when do I pay them?

There are two fees associated with permitted air contaminant sources in Ohio:

- PTIO fee. This one-time fee is based on a fee schedule in accordance with Ohio Revised Code (ORC) section 3745.11, or based on a time and materials charge for permit application review and permit processing if required by the Director.

You will be sent an invoice for this fee after you receive this PTIO and payment is due within 30 days of the invoice date. You are required to pay the fee for this PTIO even if you do not install or modify your operations as authorized by this permit.

- Annual emissions fee. Ohio EPA will assess a separate fee based on the total annual emissions from your facility. You self-report your emissions in accordance with Ohio Administrative Code (OAC) Chapter 3745-78. This fee assessed is based on a fee schedule in ORC section 3745.11 and funds Ohio EPA's permit compliance oversight activities. Unless otherwise specified, facilities subject to one or more synthetic minor restrictions must use Ohio EPA's "Air Services" to submit annual emissions associated with this permit requirement. Ohio EPA will notify you when it is time to report your emissions and to pay your annual emission fees.

5. When does my PTIO expire, and when do I need to submit my renewal application?

This permit expires on the date identified at the beginning of this permit document (see "Authorization" page above) and you must submit a renewal application to renew the permit. Ohio EPA will send a renewal notice to you approximately six months prior to the expiration date of this permit. However, it is



very important that you submit a complete renewal permit application (postmarked prior to expiration of this permit) even if you do not receive the renewal notice.

If a complete renewal application is submitted before the expiration date, Ohio EPA considers this a timely application for purposes of ORC section 119.06, and you are authorized to continue operating the emissions unit(s) covered by this permit beyond the expiration date of this permit until final action is taken by Ohio EPA on the renewal application.

6. What happens to this permit if my project is delayed or I do not install or modify my source?

This PTIO expires 18 months after the issue date identified on the "Authorization" page above unless otherwise specified if you have not (1) started constructing the new or modified emission sources identified in this permit, or (2) entered into a binding contract to undertake such construction. This deadline can be extended by up to 12 months, provided you apply to Ohio EPA for this extension within a reasonable time before the 18-month period has ended and you can show good cause for any such extension.

7. What reports must I submit under this permit?

An annual permit evaluation report (PER) is required in addition to any malfunction reporting required by OAC rule 3745-15-06 or other specific rule-based reporting requirement identified in this permit. Your PER due date is identified in the Authorization section of this permit.

8. If I am required to obtain a Title V operating permit in the future, what happens to the operating provisions and PER obligations under this permit?

If you are required to obtain a Title V permit under OAC Chapter 3745-77 in the future, the permit-to-operate portion of this permit will be superseded by the issued Title V permit. From the effective date of the Title V permit forward, this PTIO will effectively become a PTI (permit-to-install) in accordance with OAC rule 3745-31-02(B). The following terms and conditions will no longer be applicable after issuance of the Title V permit: Section B, Term 1.b) and Section C, for each emissions unit, Term a)(2).

The PER requirements in this permit remain effective until the date the Title V permit is issued and is effective, and cease to apply after the effective date of the Title V permit. The final PER obligation will cover operations up to the effective date of the Title V permit and must be submitted on or before the submission deadline identified in this permit on the last day prior to the effective date of the Title V permit.

9. What are my obligations when I perform scheduled maintenance on air pollution control equipment?

You must perform scheduled maintenance of air pollution control equipment in accordance with OAC rule 3745-15-06(A). If scheduled maintenance requires shutting down or bypassing any air pollution control equipment, you must also shut down the emissions unit(s) served by the air pollution control equipment during maintenance, unless the conditions of OAC rule 3745-15-06(A)(3) are met. Any emissions that exceed permitted amount(s) under this permit (unless specifically exempted by rule) must be reported as deviations in the annual permit evaluation report (PER), including nonexempt excess emissions that occur during approved scheduled maintenance.



10. Do I have to report malfunctions of emissions units or air pollution control equipment? If so, how must I report?

If you have a reportable malfunction of any emissions unit(s) or any associated air pollution control system, you must report this to the Ohio EPA DAPC, Northwest District Office in accordance with OAC rule 3745-15-06(B). Malfunctions that must be reported are those that result in emissions that exceed permitted emission levels. It is your responsibility to evaluate control equipment breakdowns and operational upsets to determine if a reportable malfunction has occurred.

If you have a malfunction, but determine that it is not a reportable malfunction under OAC rule 3745-15-06(B), it is recommended that you maintain records associated with control equipment breakdown or process upsets. Although it is not a requirement of this permit, Ohio EPA recommends that you maintain records for non-reportable malfunctions.

11. Can Ohio EPA or my local air agency inspect the facility where the emission unit(s) is/are located?

Yes. Under Ohio law, the Director or his authorized representative may inspect the facility, conduct tests, examine records or reports to determine compliance with air pollution laws and regulations and the terms and conditions of this permit. You must provide, within a reasonable time, any information Ohio EPA requests either verbally or in writing.

12. What happens if one or more emissions units operated under this permit is/are shut down permanently?

Ohio EPA can terminate the permit terms associated with any permanently shut down emissions unit. "Shut down" means the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31.

You should notify Ohio EPA of any emissions unit that is permanently shut down by submitting¹ a certification that identifies the date on which the emissions unit was permanently shut down. The certification must be submitted by an authorized official from the facility. You cannot continue to operate an emissions unit once the certification has been submitted to Ohio EPA by the authorized official.

You must comply with all recordkeeping and reporting for any permanently shut down emissions unit in accordance with the provisions of the permit, regulations or laws that were enforceable during the period of operation, such as the requirement to submit a PER, air fee emission report, or malfunction report. You must also keep all records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, for at least five years from the date the record was generated.

Again, you cannot resume operation of any emissions unit certified by the authorized official as being permanently shut down without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

¹Permittees that use Ohio EPA's "Air Services" can mark the affected emissions unit(s) as "permanently shutdown" in the facility profile along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).



13. Can I transfer this permit to a new owner or operator?

You can transfer this permit to a new owner or operator. If you transfer the permit, you must follow the procedures in OAC Chapter 3745-31, including notifying Ohio EPA or the local air agency of the change in ownership or operator. Any transferee of this permit must assume the responsibilities of the transferor permit holder.

14. Does compliance with this permit constitute compliance with OAC rule 3745-15-07, "air pollution nuisance"?

This permit and OAC rule 3745-15-07 prohibit operation of the air contaminant source(s) regulated under this permit in a manner that causes a nuisance. Ohio EPA can require additional controls or modification of the requirements of this permit through enforcement orders or judicial enforcement action if, upon investigation, Ohio EPA determines existing operations are causing a nuisance.

15. What happens if a portion of this permit is determined to be invalid?

If a portion of this permit is determined to be invalid, the remainder of the terms and conditions remain valid and enforceable. The exception is where the enforceability of terms and conditions are dependent on the term or condition that was declared invalid.



Final Permit-to-Install and Operate
PROSPECT MUNICIPAL ELECTRIC DEPT
Permit Number: P0110520
Facility ID: 0351000079
Effective Date: 11/5/2012

B. Facility-Wide Terms and Conditions



1. This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).
 - a) For the purpose of a permit-to-install document, the facility-wide terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (1) None.
 - b) For the purpose of a permit-to-operate document, the facility-wide terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.
 - (1) None.
2. The permittee is advised that this facility is subject to the "Generally Available Control Technology" (GACT) requirements under 40 CFR Part 63 Subpart ZZZZ (National Emission Standards for Hazardous Air Pollutants: Stationary Reciprocating Internal Combustion Engines). The U.S. EPA is responsible for the administration of the requirements of this rule at this time. It should be noted that the enforcement authority of the GACT requirements has not been delegated to the Ohio EPA at this time of this permit processing. The complete requirements of this rule (including the Part 63 General Provisions) may be accessed via the Internet from the Electronic Code of Federal Regulations (e-CFR) website <http://ecfr.gpoaccess.gov> or by contacting the Northwest District Office.



Final Permit-to-Install and Operate
PROSPECT MUNICIPAL ELECTRIC DEPT
Permit Number: P0110520
Facility ID: 0351000079
Effective Date: 11/5/2012

C. Emissions Unit Terms and Conditions



1. P001, 1800 kW emergency and peak shaving diesel generator

Operations, Property and/or Equipment Description:

1800 kW emergency and peak shaving diesel generator

a) This permit document constitutes a permit-to-install issued in accordance with ORC 3704.03(F) and a permit-to-operate issued in accordance with ORC 3704.03(G).

(1) For the purpose of a permit-to-install document, the emissions unit terms and conditions identified below are federally enforceable with the exception of those listed below which are enforceable under state law only.

a. None.

(2) For the purpose of a permit-to-operate document, the emissions unit terms and conditions identified below are enforceable under state law only with the exception of those listed below which are federally enforceable.

a. b)(1)b., b)(2)a., c)(2), d)(1), e)(2) and f)(1)b.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	57.4lbs nitrogen oxides (NOx)/hr 0.051 lbs sulfur dioxide (SO2) per mmBtu of actual heat input; 3.84 tpy SO2 10.2 lbs carbon monoxide (CO)/hr; 44.68 tpy CO 0.4 lb volatile organic compounds (VOC)/hr; 1.75 tpy VOC 1.07 lbs particulate emissions (PE)/hr; 4.69 tpy PE
b.	OAC rule 3745-31-05(D)	86.10 tons NOx per rolling, 12-month period See b)(2)a.
c.	OAC rule 3745-17-07(A)	Visible PE shall not exceed 20% opacity as a 6-minute average, except as



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		provided by rule.
d.	OAC rule 3745-17-11(B)(5)(b)	0.062 lb PE/mmBtu of actual heat input
e.	OAC rule 3745-18-06(G)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
f.	40 CFR, Part 60, Subpart IIII	See b)(2)b.
g.	OAC rule 3745-103-03(A)	Acid rain exemption, see b)(2)c. through b)(2)f.

(2) Additional Terms and Conditions

- a. The permittee has requested the following federally enforceable emission limitations based on the annual fuel usage restriction [see c)(2)] for purposes of avoiding Title V applicability:
 - i. 86.10 tonsNO_x per rolling, 12-month period.
- b. The requirements of 40 CFR, Part 60, Subpart IIII do not apply because the emissions unit was installed prior the effective date of this rule.
- c. This rule applies to any new utility unit that has not previously lost an exemption and:
 - i. serves during the entire year (except for any period before the unit commenced commercial operation) one or more generators with total nameplate capacity of twenty-five MWe or less;
 - ii. burns fuel that does not include any coal or coal-derived fuel (except coal-derived gaseous fuel with a total sulfur content no greater than natural gas); and
 - iii. burns gaseous fuel with an annual average sulfur content of 0.05 per cent or less by weight and non-gaseous fuel with an annual average sulfur content of 0.05 percent or less by weight (as determined under OAC rule 3745-103-03(D) [see b)(2)e., below]).
- d. Any new utility unit that meets the requirements of OAC rule 3745-103-03(A)[see b)(2)c. above] and that is not allocated any allowances under 40 CFR Part 73, Subpart B shall be exempt from the provisions of rules 3745-103-02 and 3745-103-06 of the Administrative Code.
- e. Compliance with the requirement that fuel burned during the year have an annual average sulfur content of 0.05 per cent by weight or less shall be determined as follows using a method of determining sulfur content that provides information with reasonable precision, reliability, accessibility, and timeliness:



- i. For gaseous fuel burned during the year, if natural gas is the only gaseous fuel burned, the requirement is assumed to be met;
- ii. For gaseous fuel burned during the year where other gas in addition to or besides natural gas is burned, the requirement is met if the annual average sulfur content is equal to or less than 0.05 per cent by weight. The annual average sulfur content, as percentage by weight, for the gaseous fuel burned shall be calculated as follows:

$$\%S_{annual} = \frac{\sum_{n=1}^{last} S_n V_n d_n}{\sum_{n=1}^{last} V_n d_n}$$

where:

%S_{annual} = annual average sulfur content of the fuel burned during the year by the unit, as a percentage by weight;

%S_n = sulfur content of the nth sample of the fuel delivered during the year to the unit, as a percentage by weight;

V_n = volume of the fuel in a delivery during the year to the unit of which nth sample is taken, in standard cubic feet; or, for fuel delivered during the year to the unit continuously by pipeline, volume of the fuel delivered starting from when the nth of such fuel is taken until the next sample of such fuel is taken, in standard cubic feet;

d_n = density of the nth sample of the fuel delivered during the year to the unit, in pounds per standard cubic foot; and

n = each sample taken of the fuel delivered during the year to the unit, taken at least once for each delivery; or, for fuel that is delivered during the year to the unit continuously by pipeline, at least once each quarter during which the fuel is delivered.

- iii. For nongaseous fuel burned during the year, the requirement is met if the annual average sulfur content is equal to or less than 0.05 per cent by weight. The annual average sulfur content, as a percentage by weight, shall be calculated using the equation in paragraph b)(2)e.ii, above. In lieu of the factor, volume times density (V_nd_n), in the equation, the factor, mass (M_n), may be used, where M_n is: mass of the nongaseous fuel in a delivery during the year to the unit of which the nth sample is taken, in pounds; or, for fuel delivered during the year to the unit continuously by pipeline, mass of the nongaseous fuel delivered starting from when the nth sample of such fuel is taken until the next sample of such fuel is taken, in pounds.

f. Special Provisions

- i. The owners and operators and, to the extent applicable, the designated representative of a unit exempt under this rule shall:



- (a) Comply with the requirements of OAC rule 3745-103-03(A) [see b)(2)c. above] for all periods for which the unit is exempt under this rule; and
 - (b) Comply with the requirements of the acid rain program concerning all periods for which the exemption is not in effect, even if such requirements arise, or must be complied with, after the exemption takes effect.
- ii. For any period for which the unit is exempt under this rule:
- (a) For purposes of applying 40 CFR Parts 70 and 71, the unit shall not be treated as an affected unit under the acid rain program and shall continue to be subject to any other applicable requirements under 40 CFR Parts 70 and 71.
 - (b) The unit shall not be eligible to be an opt-in source under rules 3745-103-22 to 3745-103-54 of the Administrative Code.
- iii. For a period of five years from the date the records are created, the owners and operators of a unit exempt under this rule shall retain at the source that includes the unit records demonstrating that the requirements of OAC rule 3745-103-03(A) [see b)(2)c. above] are met. The five year period for keeping records may be extended for cause, at any time prior to the end of the period, in writing by the director.
- (a) Such records shall include, for each delivery of fuel to the unit or for fuel delivered to the unit continuously by pipeline, the type of fuel, the sulfur content, and the sulfur content of each sample taken.
 - (b) The owners and operators bear the burden of proof that the requirements of OAC rule 3745-103-03(A) [see b)(2)c. above] are met.
- iv. Loss of exemption.
- (a) On the earliest of the following dates, a unit exempt under OAC rule 3745-103-03 paragraphs (B), (C), or (E) shall lose its exemption and for purposes of applying 40 CFR Parts 70 and 71, shall be treated as an affected unit under the acid rain program:
 - (i) The date on which the unit first serves one or more generators with total nameplate capacity in excess of twenty-five MWe;
 - (ii) The date on which the unit burns any coal or coal-derived fuel except for coal-derived gaseous fuel with a total sulfur content no greater than natural gas; or



(iii) January first of the year following the year in which the annual average sulfur content for gaseous fuel burned at unit exceeds 0.05 per cent by weight (as determined under OAC rule 3745-103-03(D) [see b(2)e. above]) or for non-gaseous fuel burned at the unit exceeds 0.05 per cent by weight (as determined under OAC rule 3745-103-03(D) [see b(2)e. above]).

(b) Notwithstanding paragraph (A) of rule 3745-103-07 of the Administrative Code, the designated representative for a unit that loses its exemption under this rule shall submit a complete acid rain permit application on the later of January 1, 1998 or sixty days after the first date on which the unit is no longer exempt.

(c) For the purpose of applying monitoring requirements under 40 CFR Part 75, a unit that loses its exemption under this rule shall be treated as a new unit that commenced commercial operation on the first date on which the unit is no longer exempt.

c) Operational Restrictions

(1) The maximum annual diesel fuel consumption for emissions unit P001 shall not exceed 374,100 gallons, based upon a rolling, 12-month summation of the gallons combusted.

The permittee shall use the existing records to determine compliance upon issuance of this permit. Therefore, it is not necessary to establish federally enforceable restrictions for the first 12 months of operation under the provisions of this permit.

(2) The permittee shall burn only diesel fuel oil in this emissions unit.

(3) The quality of the oil burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in this permit.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall maintain monthly records of the following information for this emissions unit:

a. the diesel fuel oil usage for each month;

b. the rolling, 12-month summation of the diesel fuel oil usage;

c. the calculated monthly emission rate for NO_x using the following equation:

NO_x emissions (in tons) = [monthly fuel usage] x [emission factor based on manufacturer data] x [1 ton/2000 lbs] = [d)(1)a.] x [0.46 lbs NO_x/gallon] x [1 ton/2000 lbs]; and

d. the rolling, 12-month summation of the emission rate for NO_x, in tons.



- (3) The permittee shall maintain records of the oil burned in this emissions unit in accordance with either Alternative 1 or Alternative 2 described below:

a. Alternative 1:

For each shipment of oil received for burning in this emissions unit, the permittee shall collect or require the oil supplier to collect a representative grab sample of oil and maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/MMBtu). The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F). A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

b. Alternative 2:

The permittee shall collect a representative grab sample of oil that is burned in this emissions unit for each day when the emissions unit is in operation. If additional fuel oil is added to the tank serving this emissions unit on a day when the emissions unit is in operation, the permittee shall collect a sufficient number of grab samples to develop a composite sample representative of the fuel oil burned in this emissions unit. A representative grab sample of oil does not need to be collected on days when this emissions unit is only operated for the purpose of "test-firing." The permittee shall maintain records of the total quantity of oil burned each day, except for the purpose of test-firing, the permittee's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/MMBtu). The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).

The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods, such as ASTM methods D240 Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter and D4294, Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectrometry, or equivalent methods as approved by the Director.

- (4) For each day during which the permittee burns a fuel other than diesel fuel the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

e) Reporting Requirements

- (1) The permittee shall submit an annual Permit Evaluation Report (PER) to the Ohio EPA. The PER must be completed electronically and submitted via the Ohio EPA eBusiness Center: Air Services by the due date identified in the Authorization section of this permit. The permit evaluation report shall cover a reporting period of no more than twelve-months for each air contaminant source identified in this permit.



- (2) The permittee shall submit quarterly deviation (excursion) reports that identify:
- a. all deviations (excursions) of the following emission limitations, operational restrictions and/or control device operating parameter limitations that restrict the potential to emit (PTE) of any regulated air pollutant and have been detected by the monitoring, record keeping and/or testing requirements in this permit:
 - i. 374,100 gallons diesel per rolling, 12-month period;
 - ii. 86.1 tons NO_x per rolling, 12-month period;
 - b. the probable cause of each deviation (excursion);
 - c. any corrective actions that were taken to remedy the deviations (excursions) or prevent future deviations (excursions); and
 - d. the magnitude and duration of each deviation (excursion).

If no deviations (excursions) occurred during a calendar quarter, the permittee shall submit a report that states that no deviations (excursions) occurred during the quarter.

The quarterly reports shall be submitted, electronically through Ohio EPA Air Services, each year by January 31 (covering October to December), April 30 (covering January to March), July 31 (covering April to June), and October 31 (covering July to September), unless an alternative schedule has been established and approved by the Director (the appropriate District Office or local air agency).

- (3) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than diesel fuel was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
- (4) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

f) Testing Requirements

- (1) Compliance with the Emissions Limitations and/or Control Requirements specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation:
57.4 lbsNO_x/hr

Applicable Compliance Method:

The hourly emission limitation represents the potential to emit* for this emissions unit. Therefore no hourly record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

*Potential to emit was established by manufacturer's data submitted by the facility.



If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 -4, and 7 of 40 CFR Part 60, Appendix A.

b. Emission Limitation:

86.1 tons NO_x per rolling, 12-month period

Applicable Compliance Method:

Compliance with shall be demonstrated by record keeping requirements d)(1).

c. Emission Limitation:

0.051 lb SO₂ per mmBtu of actual heat input; 3.84 tpy SO₂

Applicable Compliance Method:

The hourly emission limitation was developed by multiplying an emission factor of 0.051 lb SO₂/MMBtu derived from AP-42, Table 3.4-1 (based on sulfur content of 0.05%, by weight) and a maximum heat input of 17.20 MMBtu/hr.

If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 -4, and 6 of 40 CFR Part 60, Appendix A.

The annual emission limitation was developed by multiplying the hourly emission limitation, a maximum operating schedule of 8760 hours per year and applying the conversion factor of 2000 pounds per ton. Therefore, provided compliance is shown with the hourly emission limitation with the annual emission limitation shall also be demonstrated.

d. Emission Limitation:

10.20 lbs CO/hr; 44.68 tpy CO

Applicable Compliance Method:

The hourly emission limitation represents the potential to emit* for this emissions unit. Therefore no hourly record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

*Potential to emit was established by manufacturer's data submitted by the facility.

If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1-4, and 10 of 40 CFR Part 60, Appendix A.

The annual emission limitation was developed by multiplying the hourly emission limitation, a maximum operating schedule of 8760 hours per year and applying the conversion factor of 2000 pounds per ton. Therefore, provided compliance is shown with the hourly emission limitation with the annual emission limitation shall also be demonstrated.

e. Emission Limitation:

0.4 lb VOC/hr; 1.75 tpy VOC



Applicable Compliance Method:

The hourly emission limitation represents the potential to emit* for this emissions unit. Therefore no hourly record keeping, deviation reporting, or compliance method calculations are required to demonstrate compliance with this limitation.

*Potential to emit was established by manufacturer's data submitted by the facility.

If required, the permittee shall demonstrate compliance by testing in accordance with Methods 1 -4, and 18, 25, or 25a of 40 CFR Part 60, Appendix A.

The annual emission limitation was developed by multiplying the hourly emission limitation, a maximum operating schedule of 8760 hours per year and applying the conversion factor of 2000 pounds per ton. Therefore, provided compliance is shown with the hourly emission limitation with the annual emission limitation shall also be demonstrated.

- f. Emission Limitation:
1.07 lb PE/hr; 4.69 tpy PE

Applicable Compliance Method:

The hourly emission limitation was developed by multiplying the performance standard of 0.062 lb PE/MMBtu and a maximum heat input of 17.20 MMBtu/hr. Therefore, provided compliance is shown with the performance standard, compliance with the annual emission limitation shall also be demonstrated.

If required, the permittee shall demonstrate compliance with the lb/mmBtu emission limitation by testing in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A.

The annual emission limitation was developed by multiplying the hourly emission limitation, a maximum operating schedule of 8760 hours per year and applying the conversion factor of 2000 pounds per ton. Therefore, provided compliance is shown with the hourly emission limitation with the annual emission limitation shall also be demonstrated.

- g. Emission Limitation:
0.062 lb PE/mmBtu

Applicable Compliance Method:

If required, compliance shall be demonstrated in accordance with OAC rule 3745-17-03(B)(10).

- h. Emission Limitation:
Visible PE shall not exceed 20% opacity as a 6-minute average, except as provided by rule



Final Permit-to-Install and Operate
PROSPECT MUNICIPAL ELECTRIC DEPT
Permit Number: P0110520
Facility ID: 0351000079
Effective Date: 11/5/2012

Applicable Compliance Method:

If required, compliance shall be demonstrated in accordance with OAC rule 3745-17-03(B)(1).

g) Miscellaneous Requirements

(1) None.