

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

11/26/2013

Certified Mail

NELSON MILLER  
Weaver Ridgewood  
4066 CO RD 168  
MILLERSBURG, OH 44654

|     |                                    |
|-----|------------------------------------|
| 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 |

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE

Facility ID: 0238000137  
Permit Number: P0084704  
Permit Type: Renewal  
County: Holmes

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](http://www.ohioairquality.org/clean_air)

## **How to give us feedback on your permitting experience**

Please complete a survey at [www.epa.ohio.gov/survey.aspx](http://www.epa.ohio.gov/survey.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](http://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, Northeast District Office at (330)425-9171 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-NEDO



**FINAL**

**Division of Air Pollution Control  
Permit-to-Install and Operate  
for  
Weaver Ridgewood**

|                |            |
|----------------|------------|
| Facility ID:   | 0238000137 |
| Permit Number: | P0084704   |
| Permit Type:   | Renewal    |
| Issued:        | 11/26/2013 |
| Effective:     | 11/26/2013 |
| Expiration:    | 11/26/2018 |





**Division of Air Pollution Control**  
**Permit-to-Install and Operate**  
for  
Weaver Ridgewood

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**Final Permit-to-Install and Operate**  
Weaver Ridgewood  
**Permit Number:** P0084704  
**Facility ID:** 0238000137  
**Effective Date:** 11/26/2013

## Authorization

Facility ID: 0238000137  
Application Number(s): A0015273  
Permit Number: P0084704  
Permit Description: FEPTIO renewal permit for six (6) stationary compression ignition internal combustion engines  
Permit Type: Renewal  
Permit Fee: \$0.00  
Issue Date: 11/26/2013  
Effective Date: 11/26/2013  
Expiration Date: 11/26/2018  
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

Weaver Ridgewood  
4066 CO RD 168  
Berlin Twp., OH 44654

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, Northeast District Office  
2110 East Aurora Road  
Twinsburg, OH 44087  
(330)425-9171

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

A handwritten signature in black ink, appearing to read "Scott J. Nally".

Scott J. Nally  
Director



## Authorization (continued)

Permit Number: P0084704

Permit Description: FEPTIO renewal permit for six (6) stationary compression ignition internal combustion engines

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

|                                   |                |
|-----------------------------------|----------------|
| <b>Emissions Unit ID:</b>         | <b>P003</b>    |
| Company Equipment ID:             | Engine 1       |
| Superseded Permit Number:         | 02-22285       |
| General Permit Category and Type: | Not Applicable |

**Group Name: Group 1**

|                                   |                |
|-----------------------------------|----------------|
| <b>Emissions Unit ID:</b>         | <b>P004</b>    |
| Company Equipment ID:             | Engine 2       |
| Superseded Permit Number:         | 02-22285       |
| General Permit Category and Type: | Not Applicable |
| <b>Emissions Unit ID:</b>         | <b>P005</b>    |
| Company Equipment ID:             | Engine 3       |
| Superseded Permit Number:         | 02-22285       |
| General Permit Category and Type: | Not Applicable |

**Group Name: Group 2**

|                                   |                |
|-----------------------------------|----------------|
| <b>Emissions Unit ID:</b>         | <b>P006</b>    |
| Company Equipment ID:             | Engine 4       |
| Superseded Permit Number:         | 02-22285       |
| General Permit Category and Type: | Not Applicable |
| <b>Emissions Unit ID:</b>         | <b>P007</b>    |
| Company Equipment ID:             | Engine 5       |
| Superseded Permit Number:         | 02-22285       |
| General Permit Category and Type: | Not Applicable |
| <b>Emissions Unit ID:</b>         | <b>P008</b>    |
| Company Equipment ID:             | Engine 6       |
| Superseded Permit Number:         | 02-22285       |
| General Permit Category and Type: | Not Applicable |



**Final Permit-to-Install and Operate**  
Weaver Ridgewood  
**Permit Number:** P0084704  
**Facility ID:** 0238000137  
**Effective Date:** 11/26/2013

## **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. For facilities that are permitted as synthetic minor sources, the fee schedule is adjusted annually for inflation. 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 of this permit 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 [DO/LAA] 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 submitting 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 emission 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.



**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**  
Weaver Ridgewood  
**Permit Number:** P0084704  
**Facility ID:** 0238000137  
**Effective Date:** 11/26/2013

## **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 Ohio EPA has determined that this facility is subject to the requirements of 40 CFR Part 63 Subpart ZZZZ, National Emission Standards for Hazardous Air Pollutants (NESHAP) for Stationary Reciprocating Internal Combustion Engines located at an area source. Although Ohio EPA has determined that this Generally Available Control Technology NESHAP (GACT) applies, at this time Ohio EPA does not have the authority to enforce this standard. Instead, U.S. EPA has the authority to enforce this standard. Please be advised, that all requirements associated with this rule are in effect and shall be enforced by U.S. EPA. For more information on the area source rules, please refer to the following U.S. EPA website: <http://www.epa.gov/ttn/atw/area/arearules.html>.



**Final Permit-to-Install and Operate**  
Weaver Ridgewood  
**Permit Number:** P0084704  
**Facility ID:** 0238000137  
**Effective Date:** 11/26/2013

## **C. Emissions Unit Terms and Conditions**



**1. P003, Engine 1**

**Operations, Property and/or Equipment Description:**

80 hp MWM stationary CI ICE

- 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. None.
- 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), as effective 11/30/01         | Nitrogen Oxide (NOx) emissions shall not exceed 2.48 lbs/hr.<br><br>See b)(2)a-b.  |
| b | OAC rule 3745-31-05 (A)(3)(a)(ii), as effective 12/01/06 | See b)(2)c.  |
| c | OAC rule 3745-31-05(D)                                   | NOx emissions shall not exceed 4.96 tons per rolling 12-month period.<br><br>See b)(2)d.   |
| d | OAC rule 3745-17-07(A)(1)                                | Visible particulate emissions (PE) from the exhaust stack serving this emissions unit shall not exceed 20% opacity, as a 6-minute average. |
| e | OAC rule 3745-17-11(B)(5)(a)                             | PE shall not exceed 0.310 lb/mmBtu.  |
| f | OAC rule 3745-18-06(G)                                   | This emissions unit is exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06(B).                             |
| g | 40 CFR 60 Subpart IIII, 60.4200 (a)(2)(i)                | Exempt. See b)(2)e.  |



- (2) Additional Terms and Conditions
- a. The hourly emission limitation for NO<sub>x</sub> is based on the uncontrolled potential to emit (PTE) for this emissions unit, therefore, no monitoring or record keeping is required to document compliance with the emission limitation.
  - b. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to the Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 changes), such that BAT is no longer required by State regulations for National Ambient Air Quality Standards (NAAQS) pollutant(s) less than ten tons per year. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05, then these emission limitations/control measures no longer apply.
  - c. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan: The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the PE, VOC, SO<sub>2</sub>, and CO emissions from this air contaminant source since the uncontrolled potential to emit for each is less than 10 tons/year.
  - d. The maximum operating hours for this emissions unit shall not exceed 4,000 hours/year as a rolling, 12-month summation.
  - e. This emissions unit was manufactured prior to April 1, 2006.
- c) Operational Restrictions
- (1) The permittee shall use only diesel fuel/number 2 fuel oil with maximum sulfur content of 0.05%, by weight, for combustion in this emissions unit.
- d) Monitoring and/or Recordkeeping Requirements
- (1) The permittee shall maintain daily records of the operating hours for this emissions unit.
  - (2) The permittee shall maintain monthly records of the total hours of operation during the rolling, 12-month period, calculated by adding hours of operation for the present month to the preceding 11 months of operation.
  - (3) For each day the permittee burns a fuel other than diesel fuel in this emissions unit, the permittee shall maintain a record of the type and quantity of fuel burned.
  - (4) The permittee shall maintain documentation of the sulfur content of all fuels received.
  - (5) The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving this emissions unit. The presence or absence of any visible emissions shall be



noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:

- a. the color of the emissions;
- b. whether the emissions are representative of normal operations;
- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emissions incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

e) Reporting Requirements

- (1) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the Ohio EPA Northeast District Office.
- (2) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.
- (3) The permittee shall identify the following information in the annual permit evaluation report in accordance with the requirements in section d) above:
  - a. the total operating hours of this emissions unit;
  - b. any day that a fuel other than diesel/number 2 fuel oil was used in this emission unit;
  - c. all days during which any visible particulate emissions were observed from the stack serving this emissions unit; and
  - d. any corrective actions taken to minimize or eliminate the visible particulate emissions.

f) Testing Requirements

- (1) Compliance with the emissions limitations specified in section b) of these terms and conditions shall be determined in accordance with the following methods:



a. Emission Limitation

NOx emissions shall not exceed 2.48 lbs/hr

Applicable Compliance Method

Compliance with the hourly emission limit shall be determined by multiplying the (0.031 lb/hp-hr) emission factor from AP-42, Table 3.3-1 (10/96) by the power output rating of the emission unit (80 hp).

b. Emission Limitation

NOx emissions shall not exceed 4.96 tons per rolling 12-month period.

Applicable Compliance Method

Compliance with the emission limit shall be determined by multiplying the (0.031 lb/hp-hr) emission factor from AP-42, Table 3.3-1 (10/96) by the power output rating of this emission unit (80 hp) by the annual operating hours (4,000 hours/year) and the conversion factor (1 ton/2000 lbs).

c. Emission Limitation

Visible PE from the stack serving this emissions unit shall not exceed 20% opacity, as a 6-minute average.

Applicable Compliance Method

If required, compliance with this emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9 of 40 CFR Part 60, Appendix A.

d. Emission Limitation

PE shall not exceed 0.310 lb/mmbtu

Applicable Compliance Method

Compliance with this limit shall be determined by the following equation:  
(0.0022 lb/hp-hr)(hp-hr/7,000 Btu)(10<sup>6</sup> Btu/mmbtu)

Where:

0.0022 lb/hp-hr = emission factor from AP 42, Table 3.3-1 (10/96)

If required, compliance with this limit shall be determined in accordance with USEPA Methods 1- 5 of 40 CFR Part 60, Appendix A.

g) Miscellaneous Requirements

(1) None.



**2. Emissions Unit Group -Group 1: P004, P005**

| EU ID | Operations, Property and/or Equipment Description |
|-------|---|
| P004  | 170 hp Cummins stationary CI ICE                  |
| P005  | 177 hp Cummins stationary CI ICE                  |

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. None.

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)     | NOx emissions shall not exceed:<br>5.27 lbs/hr for P004<br>5.49 lbs/hr for P005<br><br>Carbon Monoxide (CO) emissions shall not exceed:<br>1.16 lbs/hr for P004<br>1.20 lbs/hr for P005<br><br>Visible PE from the exhaust stack serving each emissions unit shall not exceed 10% opacity, as a 6-minute average.<br><br>The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-11(B)(5)(a). |
| b | OAC rule 3745-31-05(D)        | NOx emissions per rolling, 12-month period shall not exceed:<br>10.54 tons for P004<br>10.97 tons for P005  |



|   | Applicable Rules/Requirements             | Applicable Emissions Limitations/Control Measures   |
|---|---|---|
|   |   | CO emissions per rolling, 12-month period shall not exceed:<br>2.32 tons for P004<br>2.40 tons for P005<br><br>See b)(2)a.              |
| c | OAC rule 3745-17-07(A)(1)                 | The emission limitation specified by this rule is less stringent than the limitation established pursuant to OAC rule 3745-31-05(A)(3). |
| d | OAC rule 3745-17-11(B)(5)(a)              | PE shall not exceed 0.310 lb/mmBtu.   |
| e | OAC rule 3745-18-06(G)                    | These emission units are exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06(B).                        |
| f | 40 CFR 60 Subpart IIII, 60.4200 (a)(2)(i) | Exempt. See b)(2)b.   |

(2) Additional Terms and Conditions

- a. The maximum operating hours for each emissions unit shall not exceed 4,000 hours/year as a rolling, 12-month summation.
- b. These emission units were manufactured prior to April 1, 2006.

c) Operational Restrictions

- (1) The permittee shall use only diesel fuel/ number 2 fuel oil with maximum sulfur content of 0.05%, by weight, for combustion in these emissions units.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain daily records of the operating hours for each emission unit.
- (2) The permittee shall maintain monthly records of the total hours of operation for each emission unit, during the rolling, 12-month period, calculated by adding hours of operation for the present month to the preceding 11 months of operation.
- (3) For each day the permittee burns a fuel other than diesel fuel in any emissions unit, the permittee shall maintain a record of the type and quantity of fuel burned.
- (4) The permittee shall maintain documentation of the sulfur content of all fuels received.
- (5) The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving each emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;



- c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;
- d. the total duration of any visible emissions incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

e) Reporting Requirements

- (1) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the Ohio EPA Northeast District Office.
- (2) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.
- (3) The permittee shall identify the following information in the annual permit evaluation report in accordance with the requirements in section d) above:
  - a. the total operating hours of each emissions unit;
  - b. any day that a fuel other than diesel/number 2 fuel oil was used in any of the emission units;
  - c. all days during which any visible particulate emissions were observed from the stack serving each emissions unit; and
  - d. any corrective actions taken to minimize or eliminate the visible particulate emissions.

f) Testing Requirements

- (1) Compliance with the emissions limitations specified in section b) of these terms and conditions shall be determined in accordance with the following methods:
  - a. Emission Limitation  
NOx emissions shall not exceed:  
5.27 lbs/hr for P004  
5.49 lbs/hr for P005



Applicable Compliance Method

Compliance with the hourly emission limit shall be determined by multiplying the (0.031 lb/hp-hr) emission factor from AP-42, Table 3.3-1 (10/96) by the power output rating of each emission unit (hp).

b. Emission Limitation

NOx emissions per rolling, 12-month period shall not exceed:  
10.54 tons for P004  
10.97 tons for P005

Applicable Compliance Method

The annual emission limitation was developed by multiplying the short term limit (lbs/hr) by (4,000 hours/year) and the conversion factor (1 ton/2000 lbs).

c. Emission Limitation

CO emissions shall not exceed:  
1.16 lbs/hr for P004  
1.20 lbs/hr for P005

Applicable Compliance Method

Compliance with the hourly emission limit shall be determined by multiplying the (0.0068 lb/hp-hr) emission factor from AP-42, Table 3.3-1 (10/96) by the power output rating of the emission unit (hp).

d. Emission Limitation

CO emissions per rolling, 12-month period shall not exceed:  
2.32 tons for P004  
2.40 tons for P005

Applicable Compliance Method

The annual emission limitation was developed by multiplying the short term limit (lbs/hr) by (4,000 hours/year) and the conversion factor (1 ton/2000 lbs).

e. Emission Limitation

Visible PE from the stack serving each emissions unit shall not exceed 10% opacity, as a 6-minute average.

Applicable Compliance Method

If required, compliance with this emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9 of 40 CFR Part 60, Appendix A.

f. Emission Limitation

PE shall not exceed 0.310 lb/mmBtu

Applicable Compliance Method

Compliance with this limit shall be determined by the following equation:  
(0.0022 lb/hp-hr)(hp-hr/7,000 BTU)(10<sup>6</sup> BTU/mmBtu)

Where:



**Final Permit-to-Install and Operate**

Weaver Ridgewood

**Permit Number:** P0084704

**Facility ID:** 0238000137

**Effective Date:** 11/26/2013

0.0022 lb/hp-hr = emission factor from AP 42, Table 3.3-1 (10/96)

If required, compliance with this limit shall be determined in accordance with USEPA Methods 1- 5 of 40 CFR Part 60, Appendix A.

g) Miscellaneous Requirements

(1) None.



**3. Emissions Unit Group -Group 2: P006, P007, P008**

| EU ID | Operations, Property and/or Equipment Description |
|-------|---|
| P006  | 250 hp Cummins stationary CI ICE                  |
| P007  | 250 hp Cummins stationary CI ICE                  |
| P008  | 250 hp Cummins stationary CI ICE                  |

- 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. None.
- 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)     | Emissions from each engine shall not exceed:<br><br>7.75 lbs/hr of NOx<br>1.70 lbs/hr of CO<br>0.63 lb/hr of Volatile Organic Compound (VOC)<br>0.55 lb/hr of PE/PM <sub>10</sub><br>0.51 lb/hr of Sulfur dioxide (SO <sub>2</sub> )<br><br>Visible PE from the exhaust stack serving each emissions unit shall not exceed 10% opacity, as a 6-minute average.<br><br>The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-11(B)(5)(a). |
| b | OAC rule 3745-31-05(D)        | Emissions from each engine shall not exceed:<br><br>15.50 tons/rolling, 12-month period of NOx<br>3.40 tons/rolling, 12-month period of CO   |



|   | Applicable Rules/Requirements                | Applicable Emissions Limitations/Control Measures  |
|---|--|--|
|   |  | 1.26 tons/rolling, 12-month period of VOC<br>1.10 tons/rolling, 12-month period of PE/PM <sub>10</sub><br>1.03 tons/rolling, 12-month period of SO <sub>2</sub><br><br>See b)(2)a. |
| c | OAC rule 3745-17-07(A)(1)                    | The emission limitation specified by this rule is less stringent than the limitation established pursuant to OAC rule 3745-31-05(A)(3).  |
| d | OAC rule 3745-17-11(B)(5)(a)                 | PE shall not exceed 0.310 lb/mmBtu.  |
| e | OAC rule 3745-18-06(G)                       | These emission units are exempt from the requirements of OAC rule 3745-18-06 pursuant to OAC rule 3745-18-06(B).   |
| f | 40 CFR 60 Subpart IIII,<br>60.4200 (a)(2)(i) | Exempt. See b)(2)b.  |

(2) Additional Terms and Conditions

- a. The maximum operating hours for each emissions unit shall not exceed 4,000 hours/year as a rolling, 12-month summation.
- b. These emission units were manufactured prior to April 1, 2006.

c) Operational Restrictions

- (1) The permittee shall use only diesel fuel/number 2 fuel oil with maximum sulfur content of 0.05%, by weight, for combustion in these emissions units.

d) Monitoring and/or Recordkeeping Requirements

- (1) The permittee shall maintain daily records of the operating hours for each emissions unit.
- (2) The permittee shall maintain monthly records of the total hours of operation for each emission unit, during the rolling, 12-month period, calculated by adding hours of operation for the present month to the preceding 11 months of operation.
- (3) For each day the permittee burns a fuel other than diesel fuel in these emission units, the permittee shall maintain a record of the type and quantity of fuel burned.
- (4) The permittee shall maintain documentation of the sulfur content of all fuels received.
- (5) The permittee shall perform weekly checks, when the emissions unit is in operation and when the weather conditions allow, for any visible particulate emissions from the stack serving each emissions unit. The presence or absence of any visible emissions shall be noted in an operations log. If visible emissions are observed, the permittee shall also note the following in the operations log:
  - a. the color of the emissions;
  - b. whether the emissions are representative of normal operations;
  - c. if the emissions are not representative of normal operations, the cause of the abnormal emissions;



- d. the total duration of any visible emissions incident; and
- e. any corrective actions taken to minimize or eliminate the visible emissions.

If visible emissions are present, a visible emissions incident has occurred. The observer does not have to document the exact start and end times for the visible emissions incident under item (d) above or continue the daily check until the incident has ended. The observer may indicate that the visible emissions incident was continuous during the observation period (or, if known, continuous during the operation of the emissions unit). With respect to the documentation of corrective actions, the observer may indicate that no corrective actions were taken if the visible emissions were representative of normal operations, or specify the minor corrective actions that were taken to ensure that the emissions unit continued to operate under normal conditions, or specify the corrective actions that were taken to eliminate abnormal visible emissions.

e) Reporting Requirements

- (1) The reports required by this permit may be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal; or they may be mailed as a hard copy to the Ohio EPA Northeast District Office.
- (2) Annual Permit Evaluation Report (PER) forms will be mailed to the permittee at the end of the reporting period specified in the Authorization section of this permit. The permittee shall submit the PER in the form and manner provided by the director 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.
- (3) The permittee shall identify the following information in the annual permit evaluation report in accordance with the requirements in section d) above:
  - a. the total operating hours of each emissions unit;
  - b. any day that a fuel other than diesel/ number 2 fuel oil was used in the emission units;
  - c. all days during which any visible particulate emissions were observed from the stack serving these emission units; and
  - d. any corrective actions taken to minimize or eliminate the visible particulate emissions.

f) Testing Requirements

- (1) Compliance with the emissions limitations specified in section b) of these terms and conditions shall be determined in accordance with the following methods:

- a. Emission Limitation  
NOx from each engine shall not exceed 7.75 lbs/hr

Applicable Compliance Method

Compliance with the hourly emission limit shall be determined by multiplying the (0.031 lb/hp-hr) emission factor from AP-42, Table 3.3-1 (10/96) by the power output rating of each emission unit (hp).



- b. Emission Limitation  
NOx from each engine shall not exceed 15.5 tons/rolling, 12-month period
- Applicable Compliance Method  
The annual emission limitation was developed by multiplying the short term limit (lbs/hr) by (4,000 hours/year) and the conversion factor (1 ton/2000 lbs).
- c. Emission Limitation  
CO from each engine shall not exceed 1.70 lbs/hr
- Applicable Compliance Method  
Compliance with the hourly emission limit shall be determined by multiplying the (0.0068 lb/hp-hr) emission factor from AP-42, Table 3.3-1 (10/96) by the power output rating of the emission unit (hp).
- d. Emission Limitation  
CO from each engine shall not exceed 3.40 tons/rolling, 12-month period
- Applicable Compliance Method  
The annual emission limitation was developed by multiplying the short term limit (lbs/hr) by (4,000 hours/year) and the conversion factor (1 ton/2000 lbs).
- e. Emission Limitation  
VOC from each engine shall not exceed 0.63 lb/hr
- Applicable Compliance Method  
Compliance with the hourly emission limit shall be determined by multiplying the (0.00251 lb/hp-hr) emission factor from AP-42, Table 3.3-1 (10/96) by the power output rating of the emission unit (hp).
- f. Emission Limitation  
VOC from each engine shall not exceed 1.26 tons/rolling, 12-month period
- Applicable Compliance Method  
The annual emission limitation was developed by multiplying the short term limit (lbs/hr) by (4,000 hours/year) and the conversion factor (1 ton/2000 lbs).
- g. Emission Limitation  
PE/PM<sub>10</sub> from each engine shall not exceed 0.55 lb/hr
- Applicable Compliance Method  
Compliance with the hourly emission limit shall be determined by multiplying the (0.00220 lb/hp-hr) emission factor from AP-42, Table 3.3-1 (10/96) by the power output rating of the emission unit (hp).
- h. Emission Limitation  
PE/PM<sub>10</sub> from each engine shall not exceed 1.10 tons/rolling, 12-month period



Applicable Compliance Method

The annual emission limitation was developed by multiplying the short term limit (lbs/hr) by (4,000 hours/year) and the conversion factor (1 ton/2000 lbs).

i. Emission Limitation

SO<sub>2</sub> from each engine shall not exceed 0.51 lb/hr

Applicable Compliance Method

Compliance with the hourly emission limit shall be determined by multiplying the (0.00205 lb/hp-hr) emission factor from AP-42, Table 3.3-1 (10/96) by the power output rating of the emission unit (hp).

j. Emission Limitation

SO<sub>2</sub> from each engine shall not exceed 1.03 tons/rolling, 12-month period

Applicable Compliance Method

The annual emission limitation was developed by multiplying the short term limit (lbs/hr) by (4,000 hours/year) and the conversion factor (1 ton/2000 lbs).

k. Emission Limitation

Visible PE from the stack serving each emissions unit shall not exceed 10% opacity, as a 6-minute average.

Applicable Compliance Method

If required, compliance with this emissions limitation shall be determined through visible emissions observations performed in accordance with U.S. EPA Method 9 of 40 CFR Part 60, Appendix A.

l. Emission Limitation

PE shall not exceed 0.310 lb/mmBtu

Applicable Compliance Method

Compliance with this limit shall be determined by the following equation:

$$(0.0022 \text{ lb/hp-hr})(\text{hp-hr}/7,000 \text{ Btu})(10^6 \text{ Btu/mmBtu})$$

Where:

0.0022 lb/hp-hr = emission factor from AP 42, Table 3.3-1 (10/96)

If required, compliance with this limit shall be determined in accordance with USEPA Methods 1- 5 of 40 CFR Part 60, Appendix A.

g) Miscellaneous Requirements

(1) None.