Ohio Environmental Protection Agency
John R. Kasich, Governor
Mary Taylor, Lt. Governor
Scott J. Nally, Director

Certified Mail

7/28/2011

Robert Miller
RIPPLING STREAM FINISHING, INC.
3904 G.P. EASTERLY RD
WEST FARMINGTON, OH 44491

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

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 0278000795
Permit Number: P0108492
Permit Type: Initial Installation
County: Trumbull

Dear Permit Holder:

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

The issuance of this PTI 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
309 South Fourth Street, Room 222
Columbus, OH 43215

If you have any questions, please contact Ohio EPA DAPC, Northeast District Office at (330)425-9171or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. This permit can be accessed electronically on the DAPCWeb page,www.epa.ohio.gov/dapc, by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

Michael W. Ahern

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

Cc: Ohio EPA-NEDO

Ohio | Environmental Protection Agency

FINAL

Division of Air Pollution Control
Permit-to-Install and Operate
for
RIPPLING STREAM FINISHING, INC.

Facility ID:	0278000795
Permit Number:	P0108492
Permit Type:	Initial Installation
Issued:	7/28/2011
Effective:	7/28/2011
Expiration:	11/5/2013

Ohio Environmental Protection Agency

Division of Air Pollution Control
Permit-to-Install and Operate
for
RIPPLING STREAM FINISHING, INC.

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Authorization

Facility ID: 0278000795
Application Number(s): A0041872
Permit Number: P0108492
Permit Description: New Installation of 274 HP Stationary Diesel Engine Model Year 2006
Permit Type: Initial Installation
Permit Fee: $25.00
Issue Date: 7/28/2011
Effective Date: 7/28/2011
Expiration Date: 11/5/2013
Permit Evaluation Report (PER) Annual Date: Jan 1 - Dec 31, Due Feb 15

This document constitutes issuance to:

RIPPLING STREAM FINISHING, INC.
3904 GEAUGA PORTAGE EASTERLY RD.
West Farmington, OH 44491

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

Ohio 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

Scott J. Nally
Director

Authorization (continued)

Permit Number: P0108492
Permit Description: New Installation of 274 HP Stationary Diesel Engine Model Year 2006

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

Emissions Unit ID:	**B002**
Company Equipment ID:	Diesel Engine #2
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

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 takenby 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, Northeast 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 submitting[1] 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.

[1]Permittees 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.

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.

C. Emissions Unit Terms and Conditions

1. B002, Diesel Engine #2

Operations, Property and/or Equipment Description:

Pre-2007 model year, stationary compression ignition (CI) internal combustion engine (ICE); less than 10 liters per cylinder and greater than or equal to 175 HP and less than 1,000 HP; complying with 40 CFR 60, Subpart IIII Table 1

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)d., c)(4), d)(4), and e)(4)

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(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. 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.	40 CFR Part 60, Subpart IIII 40 CFR 60.4204(a) Table 1 to Subpart IIII	The exhaust emissions from this engine shall not exceed: 0.54 gram PM/kW-hr 9.2 grams NOx/kW-hr 1.3 grams HC/kW-hr 11.4 grams CO/kW-hr See terms b)(2)(a through c), c)(1), and c)(3).

b.	40 CFR 60.4207(b) 40 CFR 80.510(b)	The sulfur content of the diesel fuel burned in this emissions unit shall not exceed 15 ppm or 0.0015% sulfur by weight. See terms b)(2)c, c(2), d(1), and e(3).
c.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the exhaust stack serving this emissions unit shall not exceed twenty (20) percent opacity, as a six-minute average, except as specified by rule.
d.	OAC rule 3745-31-05(A)(3), as effective 11/30/01.	Nitrogen oxide (NOx) emissions shall not exceed 6.85 tons per year. Carbon monoxide (CO) emissions shall not exceed 3.57 tons per year. Visible particulate emissions from the stack serving this emissions unit shall not exceed 10% opacity, as a six-minute average, except during acceleration. See b)(2)d.
e.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06.	See b)(2)e.
f.	OAC rule 3745-17-11(B)(5)	The emission limitation specified by this rule is less stringent than the emission limitation established for PE pursuant to 40 CFR Part 60, Subpart IIII.
g.	40 CFR 63 Subpart ZZZZ 40 CFR 63.6590(c)	A new area source operating in compliance with Part 60 Subpart IIII is the demonstration of compliance for 40 CFR 63 Subpart ZZZZ.

(2) Additional Terms and Conditions

a. The stationary compression ignition (CI) internal combustion engine (ICE) is subject to and shall be operated in compliance with the requirements of 40 CFR Part 60, Subpart IIII, the standards of performance for stationary CI ICE.

b. The pre-2007 stationary CI ICE shall either be purchased certified by the manufacturer to emission standards as stringent as those identified in 40 CFR 60.4204(a) and found in Table 1 to Subpart IIII (equivalent to the Tier 1 emission standards in Table 1 of 40 CFR Part 89), based on the maximum rated engine power; or if the pre-2007 model year engine is not certified by the manufacturer

to these standards, compliance shall be demonstrated according to one of the methods specified in paragraphs (b)(2) through (5) of 40 CFR 60.4211(b), as follows:

i. purchase the engine certified according to 40 CFR Part 89, as applicable for the same model year and maximum engine power, and assure it is installed and configured according the manufacturer's specifications;

ii. maintain records of performance test results for each pollutant, obtained through the performance test methods required in 40 CFR 60.4212 or 40 CFR 60.4213 and conducted on a similar engine;

iii. maintain records of the engine manufacturer's test data showing compliance with the standards;

iv. maintain records of control device vendor data demonstrating compliance with the standards, for the emissions unit using the same control equipment; or

v. conduct an initial performance test to demonstrate compliance with the emission standards according to the requirements specified in 40 CFR 60.4212 or 60.4213.

c. The quality of the diesel fuel burned in this emissions unit shall meet the following specifications on an "as received" basis:

i. a sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.0015 pound sulfur dioxide/MMBtu actual heat input; and 15 ppm sulfur or 0.0015% sulfur by weight;

ii. a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent; and

iii. a heating value greater than 135,000 Btu/gallon.

Compliance with the above-mentioned specifications shall be determined by using the analytical results provided by the permittee or oil supplier for each shipment of oil.

d. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to 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 ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by State regulations for NAAQS pollutant less than ten tons per year. However, that rule revision has not yet been approved by US EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the US EPA approves the revisions to OAC rule 3745-31-05(A)(3), the requirement to satisfy BAT still exists as part

of the federally-approved SIP for Ohio. Once US EPA approves the December 1, 2006, version of 3745-31-05, then these emission limits/control measures for carbon monoxide and nitrogen oxides, in b)(1)d, b)(2)d, f)(1)b, f)(1)h, and f(1), ino longer apply.

e. 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 BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the emissions of particulate, sulfur dioxide, nitrogen oxides, and organic compounds specified in b)(1)a from this air contaminant source since the uncontrolled potentials to emit for the emissions of particulate, sulfur dioxide, nitrogen oxides, carbon monoxide, and organic compounds are less than 10 tons per year.

c) Operational Restrictions:

(1) The stationary CI ICE shall be installed, operated, and maintained according to the manufacturer's specifications, written instructions, and procedures, and/or according to procedures developed by the permittee that have been approved by the engine manufacturer in writing, over the entire life of the engine. The CI ICE must also be installed and operated to meet the applicable requirements from 40 CFR Part 89, Control of Emissions from New and In-use Non-road CI ICE and Part 1068, the General Compliance Provisions for Engine Programs. The permittee shall operate and maintain the stationary CI ICE to achieve the Tier 1 emission standards from Table 1 of NSPS Subpart IIII, as required per 40 CFR 60.4204(a).

(2) Diesel fuel burned in the CI, ICE shall not exceed the limit for sulfur as specified by 40 CFR 80.510(b), i.e., the maximum sulfur content of diesel fuel shall not exceed 15 ppm or 0.0015% sulfur by weight.

(3) If the stationary CI internal combustion engine is equipped with a diesel particulate filter to comply with the emission standards in 40 CFR 60.4204, the diesel particulate filter must be installed with a backpressure monitor that notifies the permittee when the high backpressure limit of the engine is approached.

d) Monitoring and/or Recordkeeping Requirements:

(1) For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of the diesel oil received and the oil supplier's (or permittee's) analyses for sulfur content, in parts per million (40 CFR 80.510) or percent by weight. The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR 80.580, using the appropriate ASTM methods. These records shall be retained for a minimum of 5 years and shall be available for inspection by the Director or his/her representative.

(2) The permittee shall maintain the manufacturer's certification or performance test data for this ICE or for a similar ICE, that adequately demonstrates compliance with the applicable emission standards in Table 1 to Subpart IIII, on site or at a central location for all facility CI ICE and it shall be made available for review upon request. If the manufacturer's certification or the compliance test data is not kept on site, the

permitteeshall maintain a log for the location of each ICE and it shall identify the agency-assigned emissions unit number, the manufacturer's identification number, and the specific test data used to demonstrate compliance or the certificate identification number. If test data from a similar engine is used to demonstrate compliance, the test results shall identify the model year, the cylinder displacement and rated power of the tested ICE, the test methods and procedures followed, and the percent(s) of maximum torque/power and speed(s) (rpm) maintained or attained during the emissions test. The manufacturer's operations manual and any written instructions or procedures developed by the permittee and approved by the manufacturer shall be maintained at the same location as the ICE.

(3) The permittee shall maintain records of the following information:

a. a copy of all notifications submitted to comply with 40 CFR Part 60, Subpart IIII, and the documentation supporting the report;

b. maintenance conducted on the engine; and

c. documentation from the manufacturer that the engine meets the emission standards in CFR 89.112; or

d. documentation that the engine meets the emission standards in 40 CFR Part 60, Subpart IIII, Table 1, as required by 40 CFR 60.4211(b).

(4) If the stationary CI internal combustion engine is equipped with a diesel particulate filter to comply with the emission standards in 40 CFR 60.4204, the permittee shall keep records of the date, time, and any corrective action(s) taken in response to the notification from the backpressure monitor, that the high backpressure limit of the engine has been approached or exceeded.

e) Reporting Requirements:

(1) If the engine is purchased uncertified to the applicable emission standards in 40 CFR Part 60, Subpart IIII, Table 1 (equivalent to the Tier 1 emission standards in Table 1 of 40 CFR Part 89) and if not previously submitted with the permit application, the permittee shall submit an initial notification to the appropriate Division of Air Pollution Control district or local office, to include the following information:

a. name and address of the facility;

b. address of the CI ICE;

c. the make, model, engine family, serial number, model year, maximum engine power, and engine displacement;

d. any emission control equipment;

e. the fuel used; and

f. a statement that the CI ICE is certified by the manufacturer to the standards in Table 1 to Subpart IIII or the method used to demonstrate that the engine meets the emission standards in 40 CFR Part 60, Subpart IIII, Table 1, as required by 40 CFR 60.4211(b).

(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 in the annual permit evaluation report any period of time (date and number of hours) that the quality of oil burned in this emissions unit did not meet the requirements established in 40 CFR 80.510(b), based upon the required fuel records; and the amount of non-compliant fuel burned on each such occasion.

(4) If the stationary CI internal combustion engine is equipped with a diesel particulate filter to comply with the emission standards in 40 CFR 60.4204, the permittee shall include in the PER any records of the date, time, and any corrective action(s) taken in response to the notification from the monitor that the backpressure has been approached or exceeded.

f) Testing Requirements:

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

a. <u>Opacity Limitation:</u>

Visible particulate emissions from the exhaust stack serving this emissions unit shall not exceed twenty (20) percent opacity, as a six-minute average, except as specified by rule.

<u>Applicable Compliance Method</u>:

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

b. <u>Opacity Limitation:</u>

Visible particulate emissions from the stack serving this emissions unit shall not exceed 10% opacity, as a six-minute average, except during acceleration.

<u>Applicable Compliance Method:</u>

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

c. Emission Limitations:

0.54 gram PM/kW-hr

Applicable Compliance Method:

Compliance with the emission limitations shall be based on the manufacturer's certification of the engine (if certified) or the PE emissions testing data submitted for this engine or a similar engine, and by maintaining the ICE according to the manufacturer's specifications. The g/kW-hr limit is the emission limitation from Table 1 from 40 CFR Part 60, Subpart IIII, the exhaust emission standards for pre-2007 model year diesel engines greater than or equal to 175 horsepower (130 kW).

If required, the permittee shall demonstrate compliance with the emission limitations through performance tests conducted in accordance with the provisions in term f)(1)j below.

d. Emission Limitations:

9.2 grams NOx/kW-hr

Applicable Compliance Method:

Compliance with the emission limitations shall be based on the manufacturer's certification of the engine (if certified) or the NOx emissions testing data submitted for this engine or a similar engine, and by maintaining the engine according to the manufacturer's specifications. The g/kW-hr limit is the emission limitation from Table 1 from 40 CFR Part 60, Subpart IIII, the exhaust emission standards for pre-2007 model year diesel engines greater than or equal to 175 horsepower (130 kW).

If required, the permittee shall demonstrate compliance with the emission limitations through performance tests conducted in accordance with the provisions in term f)(1)j below.

e. Emission Limitations:

11.4 grams CO/kW-hr

Applicable Compliance Method:

Compliance with the emission limitations shall be based on the manufacturer's certification of the engine (if certified) or the CO emissions testing data submitted for this engine or a similar engine, and by maintaining it according to the manufacturer's specifications. The g/kW-hr limit is the emission limitation from Table 1 from 40 CFR Part 60, Subpart IIII, the exhaust emission standards for pre-2007 model year diesel engines greater than or equal to 175 horsepower (130 kW).

If required, the permittee shall demonstrate compliance with the emission limitations through performance tests conducted in accordance with the provisions in term f)(1)j below.

f. Emission Limitations:

1.3 grams HC/kW-hr

Applicable Compliance Method:

Compliance with the emission limitations shall be based on the manufacturer's certification of the engine (if certified) or the VOC emissions testing data submitted for this engine or a similar engine, and by maintaining the ICE according to the manufacturer's specifications. The g/kW-hr limit is the emission limitation from Table 1 from 40 CFR Part 60, Subpart IIII, the exhaust emission standards for pre-2007 model year diesel engines greater than or equal to 175 horsepower (130 kW).

If required, the permittee shall demonstrate compliance with the emission limitations through performance tests conducted in accordance with the provisions in term f)(1)j below.

g. Sulfur Content Limitations for Diesel Fuel:

Sulfur content 15 ppm or $\leq$ 0.0015% by weight sulfur

Applicable Compliance Method:

Compliance shall be demonstrated through the record keeping requirements for the sulfur content of each shipment of diesel oil received. If meeting the standards in 40 CFR 80.510(b), this calculates to approximately 0.0015lb SO_2/MMBtu.

h. Emission Limitations:

6.85 tons of NOx per year

Applicable Compliance Method:

Compliance with the ton per year NOx emissions limitation shall be determined by the following calculation:

E_{NOx}= [(L) x (0.746KW/hp) x (P) x (8760 hours/year) x (1 ton/2000 lb) x (1 lb/453.59g)]

Where:

L = limit from NSPS (9.2 g NOx/KW-hr)

P = maximum power output, 274 hp

Compliance with the annual emissions limitation shall be assumed provided that compliance with the hourly emissions limitation is maintained.

i. Emission Limitations:

3.57 tons of CO per year

Applicable Compliance Method:

Compliance with the ton per year NOx emissions limitation shall be determined by the following calculation:

E_{CO} = [(L) x (0.746KW/hp) x (P) x (8760 hours/year) x (1 ton/2000 lb) x (1 lb/453.59g)]

Where:

L = limit from NSPS (11.4 g CO/KW-hr)

P = maximum power output, 274 hp

Compliance with the annual emissions limitation shall be assumed provided that compliance with the hourly emissions limitation is maintained.

j. Where compliance is demonstrated through performance testing, it shall be conducted using one of the following test methods or procedures:

(a) in accordance with 40 CFR 60.4212, conduct exhaust emissions testing using the in-use testing procedures found in 40 CFR Part 1039, Subpart F, measuring the emissions of the regulated pollutants as specified in 40 CFR 1065; or

(b) in accordance with 40 CFR 60.4213, conduct exhaust emissions testing using the test methods identified in Table 7 to Subpart IIII of Part 60.

If demonstrating compliance through the in-use testing procedures in 40 CFR part 1039, subpart F, exhaust emissions from the pre-2007 model year stationary CI ICE shall not exceed the “not to exceed” (NTE) numerical requirements, rounded to the same number of decimal places as the applicable standard in Table 1 to Subpart IIII, determined from the following equation:

NTE requirement for each pollutant = 1.25 x STD

Where:

STD = The standard specified for the pollutant in Table 1 to Subpart IIII.

g) Miscellaneous Requirements

(1) None