



State of Ohio Environmental Protection Agency

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Columbus, OH 43216-1049

1/28/2009

LARRY DEAN
DEAN'S GREENHOUSE, INC.
3984 PORTER ROAD
WESTLAKE, OHIO, OH 44145

RE: FINAL AIR POLLUTION PERMIT-TO-INSTALL AND OPERATE
Facility ID: 1318612456
Permit Number: P0096088
Permit Type: Renewal
County: Cuyahoga

Certified Mail

No	TOXIC REVIEW
No	PSD
No	SYNTHETIC MINOR
No	CEMS
No	MACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED

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.

Ohio EPA maintains a document entitled "Frequently Asked Questions about the PTIO". The document can be downloaded from the DAPC Web page, www.epa.state.oh.us/dapc, from the "Permits" link. This document contains additional information related to your permit, such as what activities are covered under the PTIO, who has enforcement authority over the permit and Ohio EPA's authorization to inspect your facility and records. Please contact the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469 if you need assistance.

The issuance of this PTIO is a final action of the Director and may be appealed to the Environmental Review Appeals Commission ("ERAC") under Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and describe the action complained of and the grounds for the appeal. The appeal must be filed with the ERAC within thirty (30) days after notice of the Director's action. A filing fee of \$70.00 must be submitted to the ERAC with the appeal, although the ERAC, has discretion to reduce the amount of the filing fee if you can demonstrate (by affidavit) that payment of the full amount of the fee would cause extreme hardship. If you file an appeal of this action, you must notify Ohio EPA of the filing of the appeal (by providing a copy to the Director) within three (3) days of filing your appeal with the ERAC. Ohio EPA requests that a copy of the appeal also be provided to the Ohio Attorney General's Office, Environmental Enforcement Section. An appeal may be filed with the ERAC at the following address:

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

If you have any questions regarding this permit, please contact the Cleveland Division of Air Quality. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page www.epa.state.oh.us/dapc.

Sincerely,

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

Cc: CDAQ

Ted Strickland, Governor
Lee Fisher, Lieutenant Governor
Chris Korleski, Director



**State of Ohio Environmental Protection Agency
Division of Air Pollution Control**

FINAL

**Air Pollution Permit-to-Install and Operate
for
DEAN'S GREENHOUSE, INC.**

Facility ID: 1318612456
Permit Number: P0096088
Permit Type: Renewal
Issued: 1/28/2009
Effective: 1/28/2009
Expiration: 1/28/2019



State of Ohio Environmental Protection Agency
 Division of Air Pollution Control

Air Pollution Permit-to-Install and Operate
 for
 DEAN'S GREENHOUSE, INC.

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Final Permit-to-Install and Operate
Permit Number: P0096088
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Authorization

Facility ID: 1318612456
Application Number(s): A0027689
Permit Number: P0096088
Permit Description: PTIO renewal for 12.6 mmBTU/hr boiler which uses oil as primary fuel and No. 2 fuel oil.
Permit Type: Renewal
Permit Fee: \$0.00
Issue Date: 1/28/2009
Effective Date: 1/28/2009
Expiration Date: 1/28/2019
Permit Evaluation Report (PER) Annual Date: Oct 1 - Sept 30, Due Nov 15

This document constitutes issuance to:

DEAN'S GREENHOUSE, INC.
3984 PORTER ROAD
WESTLAKE, OH 44145

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:

Cleveland Division of Air Quality
2nd Floor
75 Erieview Plaza
Cleveland, OH 44114
(216)664-2297

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

Chris Korleski
Director



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0096088

Facility ID: 1318612456

Effective Date: 1/28/2009

Authorization (continued)

Permit Number: P0096088

Permit Description: PTIO renewal for 12.6 mmBTU/hr boiler which uses oil as primary fuel and No. 2 fuel oil.

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:	Boiler with Used Oil
Superseded Permit Number:	13-03993
General Permit Category and Type:	Not Applicable



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Division of Air Pollution Control

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Permit Number: P0096088

Facility ID: 1318612456

Effective Date: 1/28/2009

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 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 Cleveland Division of Air Quality 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



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Final Permit-to-Install and Operate

Permit Number: P0096088

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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.



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B. Facility-Wide Terms and Conditions



State of Ohio Environmental Protection Agency
Division of Air Pollution Control

Final Permit-to-Install and Operate

Permit Number: P0096088

Facility ID: 1318612456

Effective Date: 1/28/2009

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.



State of Ohio Environmental Protection Agency
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Final Permit-to-Install and Operate

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C. Emissions Unit Terms and Conditions



1. B002, Boiler with Used Oil

Operations, Property and/or Equipment Description:

12.6 mmBtu boiler with used oil as primary fuel in addition to No. 2 fuel (PTI 13-03993, Issued 10/24/2002)

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 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.	OAC rule 3745-31-05(A)(3) (PTI 13-03993, Issued 10/24/2002)	Emissions shall not exceed: NO _x : 2.16 lbs/hr, and 9.5 TPY; CO: 0.45 lbs/hr, and 1.97 TPY; OC: 0.09 lbs/hr, and 0.39 TPY; SO ₂ : 5.02 lbs/hr, and 22.0 TPY; PE: 4.15 lbs/hr, and 18.1 TPY0
b.	OAC rule 3745-17-07(A)	Visible particulate emission shall not exceed 20% opacity, as a six minute average, except as provided by rule.
c.	OAC rule 3745-17-10(B)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
d.	OAC rule 3745-17-11(A)(1)(a)	The emission unit is exempt from this restriction because the primary purpose of burning fuel is used to produce heat or power by indirect heating in which the products of combustion do not come into direct contact with process materials.
e.	OAC rule 3745-18-06(D)	The emission limitation specified by this



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

(2) Additional Terms and Conditions

- a. This emissions unit was installed in 1969 and later modified in 1985 and, therefore, not currently subject to the requirements specified in 40 CFR Part 60, Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.
- b. The permittee shall notify the Ohio EPA Division of Hazardous Waste Management and the Cleveland Division of Air Quality (CDAQ) of their intent to burn off-specification used oils in this emissions unit. If the facility has not previously been assigned a U.S. EPA identification number, the permittee shall submit either the Ohio EPA form EPA9029 or a letter requesting the assignment of a U.S. EPA identification number. This notification shall follow the requirements of OAC rule 3745-279-62. The permittee shall not burn used oil exceeding the used oil specifications contained in OAC rule 3745-279-11 until the U.S. EPA identification number has been assigned to the facility and a final permit has been issued for the burning of off-specification used oils for energy recovery in the emissions unit.
- c. All used oil burned in this emissions unit shall meet the requirements for burning off-specification used oil for energy recovery, contained in OAC rules 3745-279-60 through 3745-279-67 and shall contain less than the quantifiable levels of PCBs as defined in 40 CFR 761.3.
- d. All used oil burned in this emissions unit shall meet the following limitations for PCBs, mercury, total halogens, and heat content:

Contaminant/Property Off-Specification Used Oil Fuel Limitations

PCB=s	less than 2 ppm
total halogens	4,000 ppm maximum*
mercury	1 ppm, maximum
heat content	135,000 Btu/gallon, minimum

The management and burning of used oil is subject to the Standards for the Management of Used Oil, OAC Chapter 3745-279, and the permittee shall document and assure that used oils burned in this emissions unit meet all of the applicable requirements of this Chapter.

* Used oil containing more than 1,000 ppm total halogens is presumed to be a hazardous waste under the rebuttable presumption provided under paragraph (B)(1) of rule 3745-279-10 of the Administrative Code. The permittee may



receive and burn used oil exceeding 1,000 ppm total halogens (but less than 4,000 ppm maximum) only if the permittee has demonstrated that the used oil does not contain any hazardous waste pursuant to OAC rule 3745-279-63.

- e. Before the permittee accepts the first shipment of off-specification used oil fuel from a generator, transporter, or processor/re-refiner, the permittee (the burner) shall provide the generator, transporter, or processor/re-refiner a one-time written and signed notice certifying that:
 - i. the permittee has notified the Ohio EPA of the location and general description of the fuel oil management and burning activities;
 - ii. the permittee shall only burn off-specification used oil in the emissions unit(s) identified in this permit, that/which fit(s) the definition of an industrial furnace or boiler identified in paragraph (A) of OAC rule 3745-279-61; and
 - iii. the permittee has been assigned a U.S. EPA identification number.

The permittee shall include the facility assigned U.S. EPA identification number on the certification notice.

c) Operational Restrictions

- (1) The permittee shall burn only used oil and/or No. 2 fuel oil in this emissions unit.
- (2) The quality of the oil burned in this emissions unit shall meet the following specifications on an "as received" basis:
 - a. A sulfur content which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.4 pound of sulfur dioxide/mmBtu actual heat input; and
 - b. The heat content shall be greater than 135,000 Btu/gallon of oil.

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

d) Monitoring and/or Recordkeeping Requirements

- (1) For each day during which the permittee burns a fuel other than used oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
- (2) The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of used oil (both 'off-spec' and 'on-spec') that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analysis for sulfur content and heat content in accordance with the following ASTM methods: ASTM method D4294, ASTM method D240, or ASTM method 6010 for sulfur content; and ASTM method D240 for heat content. Alternative, equivalent methods may be used upon written approval by CDAQ.
- (3) For each shipment of oil ('on-spec' used oil and 'off-spec' used oil) received for burning in this emissions unit, the permittee shall maintain records of the total quantity of each



type of oil received and the permittee's or oil supplier's analysis for sulfur content and heat content.

- (4) The permittee shall receive a chemical analysis with each shipment of on-spec or off-spec used oil from the supplier. The analysis shall identify the name and address of the supplier, the supplier's U.S. EPA identification number, and the following information:
- (a) date of shipment or delivery,
 - (b) quantity of used oil received,
 - (c) the Btu value of the used oil,
 - (d) the flash point of the used oil,
 - (e) the arsenic content,
 - (f) the cadmium content,
 - (g) the chromium content,
 - (h) the lead content,
 - (i) the PCB content,
 - (j) the total halogen content,
 - (k) the mercury content,
 - (l) the sulfur content and,
 - (m) the ash content.

Each analysis shall be kept in a readily accessible location for at least 5 years and shall be made available to CDAQ upon verbal or written request. The director or any authorized representative of the director may require or may conduct periodic, detailed chemical analyses through an independent laboratory of any off-spec used oil shipment received by this facility, of any off-spec used oil stored at this facility, or of any off-spec used oil sampled.

e) Reporting Requirements

- (1) 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.
- (2) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than used oil and/or No. 2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.
- (3) The permittee shall notify the USEPA and CDAQ if any of the used oil exceeds the used oil specifications. An identification number from USEPA shall be obtained prior to the combustion of any used oil.

Before the permittee accepts the first shipment of any off-specification used oil from a marketer, the permittee must provide the marketer a one-time, written and signed notice certifying that:

- a. The company has notified USEPA of its used oil management activities and that the notice included the location and description of those activities; and



- b. The company will burn the used oil only in an industrial furnace or boiler identified in 40 CFR Part 266.41(b) and OAC rule 3745-58-42.

A copy of each certification notice that the permittee sends to a marketer must be kept on file for a minimum of 5 years from the date it last received off-specification used oil from the marketer.

f) Testing Requirements

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

- a. Emission Limitation
2.16 lbs NO_x/hr

Applicable Compliance Method

Compliance with this emissions limitation shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (0.09 x10³ gals/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.11-2 (10/96) for nitrogen oxide in used oil combustion (24 lbs/10³ gal) = 2.16 lbs NO_x/hr.

- Emission Limitation
9.5 tons NO_x/yr

Applicable Compliance Method

The TPY emission rate shall be determined by multiplying the maximum emission rate calculated above, times 8760 hours/yr, and divided by 2000 lbs/ton.

- b. Emission Limitation
0.45 lb CO/hr

Applicable Compliance Method

Compliance with this emissions limitation shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (0.09 x10³ gals/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.11-2 (10/96) for carbon monoxide in used oil combustion (5 lbs/10³ gal) = 0.45 lbs CO/hr.

- Emission Limitation
1.97 tons CO/yr

Applicable Compliance Method

The TPY emission rate shall be determined by multiplying the maximum emission rate calculated above times, 8760 hours/yr, and divided by 2000 lbs/ton.

- c. Emission Limitation
0.09 lb OC/hr



Applicable Compliance Method

Compliance with this emissions limitation shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (0.09×10^3 gals/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.11-3 (10/96) for volatile organic compounds in used oil combustion ($1 \text{ lbs}/10^3 \text{ gal}$) = 0.09 lbs OC/hr .

Emission Limitation

0.39 ton OC/yr

Applicable Compliance Method

The TPY emission rate shall be determined by multiplying the maximum emission rate calculated above, times 8760 hours/yr, and divided by 2000 lbs/ton.

d. **Emission Limitation**

5.02 lb SO₂/hr

Applicable Compliance Method

Compliance with this emissions limitation shall be based upon multiplying the maximum fuel oil capacity of the emissions unit (0.09×10^3 gals/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.11-2 (10/96) for sulfur dioxide in used oil combustion ($147S \text{ lbs}/10^3 \text{ gal}$), S being the sulfur content of 0.38% = $5.02 \text{ lbs SO}_2/\text{hr}$.

Emission Limitation

22 tons SO₂/yr

The TPY emission rate shall be determined by multiplying the emission rate calculated above times 8760 hours/yr, and divided by 2000 lbs/ton; or emissions may be calculated, the same, using the actual annual hours of operation.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 4 and 6, while firing waste fuel oil.

e. **Emission Limitation**

4.15 lb PE/hr

Applicable Compliance Method

Compliance with this emissions limitation shall be based upon multiplying the maximum used fuel oil capacity of the emissions unit (0.09×10^3 gals/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.11-1 (10/96) for filterable particulates in waste oil combustion ($64A \text{ lb of particulates}/10^3 \text{ gal}$), A being the ash content of 0.72% or as determined based upon the recordkeeping specified in d)(4)(m).

f. **Emission Limitation**

18.18 tons PE/yr



Applicable Compliance Method

Compliance with the ton per year limit shall be demonstrated by multiplying the maximum emission rate calculated above, times 8760 hours/yr, and divided by 2000 lbs/ton.

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9) while firing waste fuel oil.

- g. **Emission Limitation**
20% opacity, as a six-minute average

Applicable Compliance Method(s)

Compliance shall be determined by visible emission observations performed in accordance with USEPA Reference Method 9 and the procedures specified in OAC rule 3745-17-03 (B)(1).

- g) **Miscellaneous Requirements**

- (1) None.