



State of Ohio Environmental Protection Agency

Street Address:
122 S. Front Street

Lazarus Gov. Center TELE: (614) 644-3020 FAX: (614) 644-2329

Mailing Address:
Lazarus Gov. Center
P.O. Box 1049

**RE: DRAFT PERMIT TO INSTALL
HAMILTON COUNTY
Application No: 14-4755**

CERTIFIED MAIL

DATE: August 25, 1999

Duke Solutions/Evendale LLC
Michael P King
8330 Woodfield Crossing
Indianapolis, IN 46240

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the proposed installation. A public notice concerning the draft permit will appear in the Ohio EPA Weekly Review and the newspaper in the county where the facility will be located. Public comments will be accepted by the field office within 30 days of the date of publication in the newspaper. Any comments you have on the draft permit should be directed to the appropriate field office within the comment period. A copy of your comments should also be mailed to Robert Hodanbosi, Division of Air Pollution Control, Ohio EPA, P.O. Box 1049, Columbus, OH, 43266-0149.

A Permit to Install may be issued in proposed or final form based on the draft action, any written public comments received within 30 days of the public notice, or record of a public meeting if one is held. You will be notified in writing of a scheduled public meeting. Upon issuance of a final Permit to Install a fee of \$ 600 will be due. Please do not submit any payment now.

The Ohio EPA is urging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Pollution Prevention at (614) 644-3469. If you have any questions about this draft permit, please contact the field office where you submitted your application, or Mike Ahern, Field Operations & Permit Section at (614) 644-3631.

Very truly yours,

Thomas G. Rigo, Manager
Field Operations and Permit Section
Division of Air Pollution Control

cc: USEPA
HAMILTON COUNTY DEPT. OF ENV SERVICES
Kentucky Department of Natural Resources & Environmental Protection Ohio-Kentucky-Indiana Regional Council of Governments
Indiana Office of Air Management

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY
Permit To Install

**Terms and
Conditions**

**Issue Date: To be entered upon final issuance
Effective Date: To be entered upon final issuance**

DRAFT PERMIT TO INSTALL 14-4755

Application Number: 14-4755
APS Premise Number: 1431154026
Permit Fee: **To be entered upon final issuance**
Name of Facility: Duke Solutions/Eventdale LLC
Person to Contact: Michael P King
Address: 8330 Woodfield Crossing
Indianapolis, IN 46240

Location of proposed air contaminant source(s) [emissions unit(s)]:
**10155 Reading Road
Eventdale, Ohio**

Description of proposed emissions unit(s):
3 - 73.5 MMBTU/HR NATURAL GAS & #2 FUEL OIL FIRED BOILERS.

The above named entity is hereby granted a Permit to Install for the above described emissions unit(s) pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this permit does not constitute expressed or implied approval or agreement that, if constructed or modified in accordance with the plans included in the application, the above described emissions unit(s) of environmental pollutants will operate in compliance with applicable State and Federal laws and regulations, and does not constitute expressed or implied assurance that if constructed or modified in accordance with those plans and specifications, the above described emissions unit(s) of pollutants will be granted the necessary permits to operate (air) or NPDES permits as applicable.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

Part I - GENERAL TERMS AND CONDITIONS**A. State and Federally Enforceable Permit To Install General Terms and Conditions****1. Monitoring and Related Recordkeeping and Reporting Requirements**

- a. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - i. The date, place (as defined in the permit), and time of sampling or measurements.
 - ii. The date(s) analyses were performed.
 - iii. The company or entity that performed the analyses.
 - iv. The analytical techniques or methods used.
 - v. The results of such analyses.
 - vi. The operating conditions existing at the time of sampling or measurement.
- b. Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c. Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
 - i. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
 - ii. Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District

Duke Solutions/Evendale LLC

Facility ID: 1431154026

PTI Application: 14-4755

Date: To be entered upon final issuance

Office or local air agency. These quarterly written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the submission of monitoring reports every six months and OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of all deviations except malfunctions, which shall be reported in accordance with OAC rule 3745-15-06. The written reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.) See B.14 below if no deviations occurred during the quarter.

- iii. Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the appropriate Ohio EPA District Office or local air agency every six months, i.e., by January 31 and July 31 of each year for the previous six calendar months. These semi-annual written reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(i) and (ii) pertaining to the reporting of any deviations related to the monitoring, recordkeeping, and reporting requirements. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
- iv. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.

2. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports submitted pursuant to OAC rule 3745-15-06 shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c)(iii) pertaining to the prompt reporting of deviations caused by malfunctions or upsets.

Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emission unit(s) that is (are) served by such

control system(s).

3. Risk Management Plans

If the permittee is required to develop and register a risk management plan pursuant to section 112(r) of the Clean Air Act, as amended, 42 U.S.C. 7401 et seq. ("Act"), the permittee shall comply with the requirement to register such a plan.

4. Title IV Provisions

If the permittee is subject to the requirements of 40 CFR Part 72 concerning acid rain, the permittee shall ensure that any affected emissions unit complies with those requirements. Emissions exceeding any allowances that are lawfully held under Title IV of the Act, or any regulations adopted thereunder, are prohibited.

5. Severability Clause

A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.

6. General Requirements

- a. The permittee must comply with all terms and conditions of this permit. Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and reissuance, or modification, or for denial of a permit renewal application.
- b. It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c. This permit may be modified, reopened, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d. This permit does not convey any property rights of any sort, or any exclusive privilege.
- e. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the

Duke Solutions/Evendale LLC

Facility ID: **1431154026**

PTI Application: **14-4755**

Date: To be entered upon final issuance

Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

7. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable Permit To Install fees within 30 days after the issuance of this Permit To Install.

8. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.

9. Compliance Requirements

- a. Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.
- b. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
 - i. At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
 - ii. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.
 - iii. Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - iv. As authorized by the Act, sample or monitor at reasonable times

substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

- c. The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually, or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
 - i. Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - ii. An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.
- d. Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the appropriate Ohio EPA District Office or local air agency in the following manner and with the following content:
 - i. Compliance certifications shall be submitted on an annual basis unless the applicable requirement specifies more frequent submissions.
 - ii. Compliance certifications shall include the following:
 - (a) An identification of each term or condition of this permit that is the basis of the certification.
 - (b) The permittee's current compliance status.
 - (c) Whether compliance was continuous or intermittent.
 - (d) The method(s) used for determining the compliance status of the source currently and over the required reporting period.
 - (e) Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.
 - iii. Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

10. Emergencies

The permittee shall have an affirmative defense of emergency to an action brought for

Duke Solutions/Evendale LLC

Facility ID: **1431154026**

PTI Application: **14-4755**

Date: To be entered upon final issuance

noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met. This emergency defense provision is in addition to any emergency or upset provision contained in any applicable requirement.

Duke Solutions/Evendale LLC

Facility ID: **1431154026**

PTI Application: **14-4755**

Date: To be entered upon final issuance

11. Title V Permit To Operate Application

Pursuant to OAC Chapter 3745-77, the permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit.

Duke Solutions/Evendale LLC

Facility ID: 1431154026

PTI Application: 14-4755

Date: To be entered upon final issuance

B. State Only Enforceable Permit To Install General Terms and Conditions

1. Compliance Requirements

The emissions unit(s) identified in this Permit to Install shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.

2. Reporting Requirements Related to Monitoring and Recordkeeping Requirements

The permittee shall submit required reports in the following manner:

- a. Reports of any required monitoring and/or recordkeeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.
- b. Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

3. Records Retention Requirements

Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to, all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.

4. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of OAC rule 3745-15-06. Except as provided in that rule, any scheduled maintenance or malfunction necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s).

6. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

7. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

8. Termination of Permit To Install

This permit to install shall terminate within eighteen months of the effective date of the permit to install if the owner or operator has not undertaken a continuing program of installation or modification or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation or modification. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.

Duke Solutions/Evendale LLC

Facility ID: **1431154026**

PTI Application: **14-4755**

Date: To be entered upon final issuance

9. Construction of New Sources(s)

The proposed emissions unit(s) shall be constructed in strict accordance with the plans and application submitted for this permit to the Director of the Ohio Environmental Protection Agency. There may be no deviation from the approved plans without the express, written approval of the Agency. Any deviations from the approved plans or the above conditions may lead to such sanctions and penalties as provided under Ohio law. Approval of these plans does not constitute

an assurance that the proposed facilities will operate in compliance with all Ohio laws and regulations. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed sources are inadequate or cannot meet applicable standards.

If the construction of the proposed emissions unit(s) has already begun or has been completed prior to the date the Director of the Environmental Protection Agency approves the permit application and plans, the approval does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the approved plans. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of the Permit to Install does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Approval of the plans in any case is not to be construed as an approval of the facility as constructed and/or completed. Moreover, issuance of the Permit to Install is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities prove to be inadequate or cannot meet applicable standards.

10. Public Disclosure

The facility is hereby notified that this permit, and all agency records concerning the operation of this permitted source, are subject to public disclosure in accordance with OAC rule 3745-49-03.

11. Applicability

This Permit to Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s).

12. Best Available Technology

As specified in OAC Rule 3745-31-05, all new sources must employ Best Available Technology (BAT). Compliance with the terms and conditions of this permit will fulfill this requirement.

13. Construction Compliance Certification

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

16

Duke Solutions/Evendale LLC

PTI Application: **14-4755**

Date: To be entered upon final issuance

Facility ID: **1431154026**

source.

Duke Solutions/Evendale LLC

Facility ID: 1431154026

PTI Application: 14-4755

Date: To be entered upon final issuance

14. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations (See Section A of This Permit)

If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, i.e., by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

C. Permit To Install Summary of Allowable Emissions

The following information summarizes the total allowable emissions, by pollutant, based on the individual allowable emissions of each air contaminant source identified in this permit.

SUMMARY (for informational purposes only)

TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

<u>Pollutant</u>	<u>Tons Per Year</u>
PM	7.2
PM10	6.6
N0x	97.5
S02	36.8
CO	96.6
VOC	4.4

Duke Solutions/Evendale LLC

Facility ID: **1431154026**

PTI Application: **14-4755**

Date: To be entered upon final issuance

Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

A. State and Federally Enforceable Permit To Install Facility Specific Terms and Conditions

None.

B. State Only Enforceable Permit To Install Facility Specific Terms and Conditions

None.

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S)

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
73.5 MMBtu/hr natural gas & No. 2 fuel oil fired boiler - #1	OAC rule 3745-17-07(A)	Less Stringent than 40 CFR Part 60 Subpart Dc
	OAC rule 3745-17-10(B)(1)	0.02 lb PM/MMBtu when combusting No. 2 fuel oil
	OAC rule 3745-18	The emission limitations established by this rule is less stringent than OAC rule 3745-31-05
	40 CFR Part 60 Subpart Dc	See Additional Special Terms and Conditions A.I.2.2.a. and A.III.1.
	Synthetic Minor to avoid Prevention of Significant Deterioration	36.8 TPY SO ₂ *
	Netting to avoid Prevention of Significant Deterioration	97.5 TPY NO _x *

* Emissions unit B001-B003, combined, based on a rolling, 12-month summation of the monthly emissions.

2. Additional Terms and Conditions

- 2.a Visible particulate emissions shall not exceed 20% opacity (6- minute average), except for one 6-minute period per hour of not more than 27% opacity.

Duke

PTI A₁Emissions Unit ID: **B001****Date: To be entered upon final issuance**

- 2.b** The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

II. Operational Restrictions

1. The quality of the oil burned in emissions unit B001 shall meet the following specifications on an "as received" basis:
 - a. A sulfur content not to exceed 0.3% which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.306 pound sulfur dioxide/MMBtu actual heat input; and,
 - b. Greater than 139,000 Btu/gallon of oil.

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.

2. The maximum annual No. 2 fuel oil usage for emissions units B001, B002 and B003 combined shall not exceed 1,700,000 gallons per year based upon a rolling, 12-month summation of the No. 2 fuel oil usage figures.

To ensure enforceability during the first 12 calendar months of operation following issuance of this permit, the permittee shall not exceed the no. 2 fuel oil usage levels specified in the following table:

Month	Maximum Allowable Gallons of No. 2 Fuel Oil for B001, B002 and B003 Combined
1-1	850,000
1-2	850,000
1-3	850,000
1-4	850,000
1-5	850,000
1-6	850,000
1-7	991,667
1-8	1,133,333
1-9	1,275,000
1-10	1,416,667

21

Duke

PTI A₁

Emissions Unit ID: **B001**

Date: To be entered upon final issuance

1-11	1,558,334
1-12	1,700,000

After the first 12 calendar months of operation following issuance of this permit, compliance with the annual no. 2 fuel oil usage limitation shall be based upon a rolling, 12-month summation of the no.2 fuel oil usage figures.

Date: To be entered upon final issuance

3. The permittee shall install, operate and maintain low-NOx burners at all times when operating this emissions unit.
4. The start up of emissions units B001, B002 and B003, OEPA premise number 1431154026 shall be concurrent with the complete and permanent shutdown of Ohio EPA emissions units B001, B002, B003, OEPA premise number 1431150801.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain daily records of the quantity of oil (in gallons) and natural gas (mmft³) used in this emissions unit.
2. For each shipment of oil received for burning in emissions unit B001, the permittee shall maintain records of the name of the oil supplier, the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content and heat content.

The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses 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 the Hamilton County Department of Environmental Services.

3. The permittee shall maintain monthly records of the following information for emissions unit B001-B003:
 - a. the no. 2 fuel oil usage for each month; and,
 - b. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling 12-month summation of the no. 2 fuel oil usage figures.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative no. 2 fuel oil usage for each calendar month.

IV. Reporting Requirements

1. The permittee shall submit, on a quarterly basis, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu/gallon)

Duke Solutions/Evendale LLC

PTI Application: 14 1755

Date:

Facility ID: 1431154026

Emissions Unit ID: B001

for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analysis:

- a. the total quantity of oil received in each shipment (gallons);
 - b. the weighted* average sulfur dioxide emissions rate (pounds/MMBtu) for the oil received during each calendar month; and,
 - c. the weighted* average heat content (Btu/gallon) of the oil received during each calendar month.
- In proportion to the quantity of oil received for each shipment during that calendar month.

These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall cover the oil shipments received during the previous calendar quarters.

2. The permittee shall submit annual reports which specify the total NO_x, SO₂, PM and CO emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 30 of each year.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month no. 2 fuel oil usage limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative no. 2 fuel oil usage limitation.
4. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
 - a. construction date (no later than 30 days after such date);
 - b. anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
 - c. actual start-up date (within 15 days after such date); and,
 - d. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
 DAPC - Permit Management Unit
 P.O. Box 163669
 Columbus, Ohio 43216-3669

and

Department of Environmental Services

Duke

PTI A₁

Emissions Unit ID: **B001**

Date: To be entered upon final issuance

250 William Howard Taft Road
Cincinnati, Ohio 45219

5. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

Date: To be entered upon final issuance

V. Testing Requirements

1. Compliance with the visible particulate limitation shall be demonstrated by the Methods outlined in 40 CFR Part 60, Appendix A, Method 9.
2. Compliance with the sulfur and heat content limitation in term A.II.1 shall be determined by the fuel oil analysis and recordkeeping in term A.III.2.
3. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI 14-4755 submitted May 21, 1999.
4. Compliance with the fuel oil usage limitation in term A.II.2 will be demonstrated by the recordkeeping in term A.III.3.
5. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. the emission testing shall be conducted within six months after startup of these emissions units;
 - b. the emissions testing shall be conducted to demonstrate compliance with the allowable NO_x, CO and opacity limitations while combusting natural gas and no. 2 fuel oil;
 - c. the following test methods(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Method 7, 9 and 10. Alternative U.S.EPA approved test methods may be used with prior approval from the Hamilton County Department of Environmental Services; and,
 - d. the test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Hamilton County Department of Environmental Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Hamilton County Department of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Hamilton County Department of Environmental Services refusal to accept the results of the emission test(s).

Personnel from the Hamilton County Department of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Hamilton County Department of Environmental Services within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Hamilton County Department of Environmental Services.

VI. Miscellaneous Requirements

- The following is a summary of the netting emissions in tons per year (TPY):

<u>Emissions Unit</u>	<u>Pollutant</u>	<u>Decrease</u>	<u>Increase</u>
B001-B003 (1431154026*)	Nox		+97.5
B001-B003 (1431150801**)	Nox	-136.0***	
K013 (1431150801**) (PTI 14-4281) PTI issued 7/23/97	Nox		+2.8
K014 (1431150801**) (PTI 14-4511) PTI issued 6/10/98	Nox		+9.95
Net Emissions Change		-25.75	

* OEPA premise permit to operate number

** OEPA premise permit to operate number

*** Based on average actual emissions for 1997 and 1998.

Duke
PTI A1

Emissions Unit ID: **B001**

Date: **To be entered upon final issuance**

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	OAC rule 3745-15-07
73.5 MMBtu/hr natural gas & No. 2 fuel oil fired boiler - #1	OAC rule 3745-31-05	

Duke

PTI A1

Emissions Unit ID: **B001**

Date: To be entered upon final issuance

Applicable Emissions
Limitations/Control
Measures

0.005 lb PM/PM10/MMBtu
(gas)

0.0006 lb SO2/MMBtu
(gas)

0.004 lb OC/MMBtu (gas
and oil)

0.08 lb NOx/MMBtu (gas)

0.10 lb CO/MMBtu (gas and
oil)

0.306 lb SO2/MMBtu (oil)

0.17 lb NOx/MMBtu (oil)

7.2 TPY PM*

6.6 TPY PM10*

4.4 TPY VOC*

96.6 TPY CO*

* Emissions unit
B001-B003, combined,
based on a rolling, 12-month
summation of the monthly
emissions.

See Part I, term B.7.

Duke Solutions/Evendale LLC

PTI Application: 14-4755

Date:

Facility ID: 1431154026

Emissions Unit ID: B001

2. Additional Terms and Conditions

- 2.a Compliance with OAC rule 3745-31-05 shall be demonstrated by the limited usage of No. 2 fuel oil, limited sulfur content in the No. 2 fuel oil, emissions limitations and the use of low NOx burners.

II. Operational Restrictions

None.

III. Monitoring and/or Recordkeeping Requirements

None.

IV. Reporting Requirements

None.

V. Testing Requirements

- 1. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI 14-4755 submitted May 21, 1999.

VI. Miscellaneous Requirements

None.

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S) [Continued]

A. State and Federally Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
73.5 MMBtu/hr natural gas & No. 2 fuel oil fired boiler-#2	OAC rule 3745-17-07(A)	Less Stringent than 40 CFR Part 60 Subpart Dc
	OAC rule 3745-17-10(B)(1)	0.02 lb PM/MMBtu when combusting No. 2 fuel oil
	OAC rule 3745-18	The emission limitations established by this rule is less stringent than OAC rule 3745-31-05
	40 CFR Part 60 Subpart Dc	See Additional Special Terms and Conditions A.I.2.2.a. and A.III.1.
	Synthetic Minor to avoid Prevention of Significant Deterioration	36.8 TPY SO ₂ *
	Netting to avoid Prevention of Significant Deterioration	97.5 TPY NO _x *
		* Emissions unit B001-B003, combined, based on a rolling, 12-month summation of the monthly emissions.

2. Additional Terms and Conditions

- 2.a Visible particulate emissions shall not exceed 20% opacity (6- minute average), except for one 6-minute period per hour of not more than 27% opacity.
- 2.b The application and enforcement of the provisions of the New Source Performance

Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

II. Operational Restrictions

1. The quality of the oil burned in emissions unit B002 shall meet the following specifications on an "as received" basis:
 - a. a sulfur content not to exceed 0.3% which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.306 pound sulfur dioxide/MMBtu actual heat input; and,
 - b. greater than 139,000 Btu/gallon of oil.

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.

2. The maximum annual No. 2 fuel oil usage for emissions units B001, B002 and B003 combined shall not exceed 1,700,000 gallons per year based upon a rolling, 12-month summation of the No. 2 fuel oil usage figures.

To ensure enforceability during the first 12 calendar months of operation following issuance of this permit, the permittee shall not exceed the no. 2 fuel oil usage levels specified in the following table:

<u>Month</u>	<u>Maximum Allowable Gallons of No. 2 Fuel Oil for B001, B002 and B003 Combined</u>
1-1	850,000
1-2	850,000
1-3	850,000
1-4	850,000
1-5	850,000
1-6	850,000
1-7	991,667
1-8	1,133,333
1-9	1,275,000
1-10	1,416,667
1-11	1,558,334
1-12	1,700,000

Duke Solutions/Evendale LLC

DTI Application: **14-1755**

Facility ID: **1431154026**

Emissions Unit ID: **B002**

After the first 12 calendar months of operation following issuance of this permit, compliance with the annual no. 2 fuel oil usage limitation shall be based upon a rolling, 12-month summation of the no.2 fuel oil usage figures.

3. The permittee shall install, operate and maintain low-NOx burners at all times when operating this emissions unit.
4. The start up of emissions units B001, B002 and B003, OEPA premise number 1431154026 shall be concurrent with the complete and permanent shutdown of Ohio EPA emissions units B001, B002, B003, OEPA premise number 1431150801.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain daily records of the quantity of oil (in gallons) and natural gas (mmft³) used in this emissions unit.
2. For each shipment of oil received for burning in emissions unit B002, the permittee shall maintain records of the name of the oil supplier, the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content and heat content.

The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses 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 the Hamilton County Department of Environmental Services.

3. The permittee shall maintain monthly records of the following information for emissions unit B001-B003:
 - a. the no. 2 fuel oil usage for each month; and,
 - b. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling 12-month summation of the no. 2 fuel oil usage figures.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative no. 2 fuel oil usage for each calendar month.

IV. Reporting Requirements

1. The permittee shall submit, on a quarterly basis, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu/gallon)

for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analysis:

- a. the total quantity of oil received in each shipment (gallons);

- b. the weighted* average sulfur dioxide emissions rate (pounds/MMBtu) for the oil received during each calendar month; and,
- c. the weighted* average heat content (Btu/gallon) of the oil received during each calendar month.

* In proportion to the quantity of oil received for each shipment during that calendar month.

These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall cover the oil shipments received during the previous calendar quarters.

- 2. The permittee shall submit annual reports which specify the total NO_x, SO₂, PM and CO emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 30 of each year.
- 3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month no. 2 fuel oil usage limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative no. 2 fuel oil usage limitation.
- 4. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
 - a. construction date (no later than 30 days after such date);
 - b. anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
 - c. actual start-up date (within 15 days after such date); and
 - d. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
P.O. Box 163669
Columbus, Ohio 43216-3669

and

Duke Solutions/Evendale LLC

DTI Application: **14-1755**

Facility ID: **1431154026**

Emissions Unit ID: **B002**

Department of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219

5. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance with the visible particulate limitation shall be demonstrated by the Methods outlined in 40 CFR Part 60, Appendix A, Method 9.
2. Compliance with the sulfur and heat content limitation in term A.II.1 shall be determined by the fuel oil analysis and recordkeeping in term A.III.2.
3. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI 14-4755 submitted May 21, 1999.
4. Compliance with the fuel oil usage limitation in term A.II.2 will be demonstrated by the recordkeeping in term A.III.3.
5. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. the emission testing shall be conducted within six months after startup of these emissions units;
 - b. the emissions testing shall be conducted to demonstrate compliance with the allowable NO_x, CO and opacity limitations while combusting natural gas and no. 2 fuel oil;
 - c. the following test methods(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Method 7, 9 and 10. Alternative U.S.EPA approved test methods may be used with prior approval from the Hamilton County Department of Environmental Services; and,
 - d. the test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Hamilton County Department of Environmental Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Hamilton County Department of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be

conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Hamilton County Department of Environmental Services refusal to accept the results of the emission test(s).

Personnel from the Hamilton County Department of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Hamilton County Department of Environmental Services within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Hamilton County Department of Environmental Services.

VI. Miscellaneous Requirements

- The following is a summary of the netting emissions in tons per year (TPY):

<u>Emissions Unit</u>	<u>Pollutant</u>	<u>Decrease</u>	<u>Increase</u>
B001-B003 (1431154026*)	Nox		+97.5
B001-B003 (1431150801**)	Nox	-136.0***	
K013 (1431150801**) (PTI 14-4281) PTI issued 7/23/97	Nox		+2.8
K014 (1431150801**) (PTI 14-4511) PTI issued 6/10/98	Nox		+9.95
Net Emissions Change		-25.75	

- OEPA premise permit to operate number
- ** OEPA premise permit to operate number
- *** Based on average actual emissions for 1997 and 1998.

B. State Only Enforceable Section

I. Applicable Emissions Limitations and/or Control Requirements

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	
73.5 MMBtu/hr natural gas & No. 2 fuel oil fired boiler - #2	OAC rule 3745-31-05	OAC rule 3745-15-07

Applicable Emissions
Limitations/Control
Measures

0.005 lb PM/PM10/MMBtu
(gas)

0.0006 lb SO₂/MMBtu
(gas)

0.004 lb OC/MMBtu (gas
and oil)

0.08 lb NO_x/MMBtu (gas)

0.10 lb CO/MMBtu (gas and
oil)

0.306 lb SO₂/MMBtu (oil)

0.17 lb NO_x/MMBtu (oil)

7.2 TPY PM*

6.6 TPY PM10*

4.4 TPY VOC*

96.6 TPY CO*

* Emissions unit
B001-B003, combined,
based on a rolling, 12-month
summation of the monthly
emissions.

See Part I, term B.7.

2. Additional Terms and Conditions

- 2.a** Compliance with OAC rule 3745-31-05 shall be demonstrated by the limited usage of No. 2 fuel oil, limited sulfur content in the No. 2 fuel oil, emissions limitations and the use of low NOx burners.

II. Operational Restrictions

None.

III. Monitoring and/or Recordkeeping Requirements

None.

IV. Reporting Requirements

None.

V. Testing Requirements

1. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI 14-4755 submitted May 21, 1999.

VI. Miscellaneous Requirements

None.

Part III - SPECIAL TERMS AND CONDITIONS FOR SPECIFIC EMISSIONS UNIT(S) [Continued]**A. State and Federally Enforceable Section****I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	<u>Applicable Emissions Limitations/Control Measures</u>
73.5 MMBtu/hr natural gas & No. 2 fuel oil fired boiler - #3	OAC rule 3745-17-07(A)	Less Stringent than 40 CFR Part 60 Subpart Dc
	OAC rule 3745-17-10(B)(1)	0.02 lb PM/MMBtu when combusting No. 2 fuel oil
	OAC rule 3745-18	The emission limitations established by this rule is less stringent than OAC rule 3745-31-05
	40 CFR Part 60 Subpart Dc	See Additional Special Terms and Conditions A.I.2.2.a. and A.III.1.
	Synthetic Minor to avoid Prevention of Significant Deterioration	36.8 TPY SO ₂ *
	Netting to avoid Prevention of Significant Deterioration	97.5 TPY NO _x *
		* Emissions unit B001-B003, combined, based on a rolling, 12-month summation of the monthly emissions.

2. Additional Terms and Conditions

- 2.a** Visible particulate emissions shall not exceed 20% opacity (6- minute average), except for one 6-minute period per hour of not more than 27% opacity.
- 2.b** The application and enforcement of the provisions of the New Source Performance Standards (NSPS), as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60, are delegated to the Ohio Environmental Protection Agency. The requirements of 40 CFR Part 60 are also federally enforceable.

II. Operational Restrictions

1. The quality of the oil burned in emissions unit B003 shall meet the following specifications on an "as received" basis:
- a sulfur content not to exceed 0.3% which is sufficient to comply with the allowable sulfur dioxide emission limitation of 0.306 pound sulfur dioxide/MMBtu actual heat input; and,
 - greater than 139,000 Btu/gallon of oil.

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.

2. The maximum annual No. 2 fuel oil usage for emissions units B001, B002 and B003 combined shall not exceed 1,700,000 gallons per year based upon a rolling, 12-month summation of the No. 2 fuel oil usage figures.

To ensure enforceability during the first 12 calendar months of operation following issuance of this permit, the permittee shall not exceed the no. 2 fuel oil usage levels specified in the following table:

<u>Month</u>	<u>Maximum Allowable Gallons of No. 2 Fuel Oil for B001, B002 and B003 Combined</u>
1-1	850,000
1-2	850,000
1-3	850,000
1-4	850,000
1-5	850,000
1-6	850,000
1-7	991,667

Emissions Unit ID: **B003**

1-8	1,133,333
1-9	1,275,000
1-10	1,416,667
1-11	1,558,334
1-12	1,700,000

After the first 12 calendar months of operation following issuance of this permit, compliance with the annual no. 2 fuel oil usage limitation shall be based upon a rolling, 12-month summation of the no.2 fuel oil usage figures.

3. The permittee shall install, operate and maintain low-NOx burners at all times when operating this emissions unit.
4. The start up of emissions units B001, B002 and B003, OEPA premise number 1431154026 shall be concurrent with the complete and permanent shutdown of Ohio EPA emissions units B001, B002, B003, OEPA premise number 1431150801.

III. Monitoring and/or Recordkeeping Requirements

1. The permittee shall maintain daily records of the quantity of oil (in gallons) and natural gas (mmft³) used in this emissions unit.
2. For each shipment of oil received for burning in emissions unit B003, the permittee shall maintain records of the name of the oil supplier, the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content and heat content.

The permittee shall collect or require the oil supplier to collect a representative grab sample for each shipment of oil that is received for burning in this emissions unit. The permittee shall perform or require the supplier to perform the analyses 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 the Hamilton County Department of Environmental Services.

3. The permittee shall maintain monthly records of the following information for emissions unit B001-B003:
 - a. the no. 2 fuel oil usage for each month; and,
 - b. beginning after the first 12 calendar months of operation following the issuance of this permit, the rolling 12-month summation of the no. 2 fuel oil usage figures.

Also, during the first 12 calendar months of operation following the issuance of this permit, the permittee shall record the cumulative no. 2 fuel oil usage for each calendar month.

IV. Reporting Requirements

1. The permittee shall submit, on a quarterly basis, copies of the permittee's or oil supplier's analyses for each shipment of oil which is received for burning in this emissions unit. The permittee's or oil supplier's analyses shall document the sulfur content (percent) and heat content (Btu/gallon) for each shipment of oil. The following information shall also be included with the copies of the permittee's or oil supplier's analysis:
 - a. the total quantity of oil received in each shipment (gallons);
 - b. the weighted* average sulfur dioxide emissions rate (pounds/MMBtu) for the oil received during each calendar month; and,
 - c. the weighted* average heat content (Btu/gallon) of the oil received during each calendar month.

* In proportion to the quantity of oil received for each shipment during that calendar month.

These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall cover the oil shipments received during the previous calendar quarters.

2. The permittee shall submit annual reports which specify the total NO_x, SO₂, PM and CO emissions from this emissions unit for the previous calendar year. These reports shall be submitted by January 30 of each year.
3. The permittee shall submit deviation (excursion) reports which identify all exceedances of the rolling, 12-month no. 2 fuel oil usage limitation and, for the first 12 calendar months of operation following the issuance of this permit, all exceedances of the maximum allowable cumulative no. 2 fuel oil usage limitation.
4. Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:
 - a. construction date (no later than 30 days after such date);
 - b. anticipated start-up date (not more than 60 days or less than 30 days prior to such date);
 - c. actual start-up date (within 15 days after such date); and,
 - d. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Ohio Environmental Protection Agency
DAPC - Permit Management Unit
P.O. Box 163669
Columbus, Ohio 43216-3669

and

Department of Environmental Services
250 William Howard Taft Road
Cincinnati, Ohio 45219

5. The deviation reports shall be submitted in accordance with the reporting requirements of the General Terms and Conditions of this permit.

V. Testing Requirements

1. Compliance with the visible particulate limitation shall be demonstrated by the Methods outlined in 40 CFR Part 60, Appendix A, Method 9.
2. Compliance with the sulfur and heat content limitation in term A.II.1 shall be determined by the fuel oil analysis and recordkeeping in term A.III.2.
3. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI 14-4755 submitted May 21, 1999.
4. Compliance with the fuel oil usage limitation in term A.II.2 will be demonstrated by the recordkeeping in term A.III.3.
5. The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:
 - a. the emission testing shall be conducted within six months after startup of these emissions units;
 - b. the emissions testing shall be conducted to demonstrate compliance with the allowable NO_x, CO and opacity limitations while combusting natural gas and no. 2 fuel oil;
 - c. the following test methods(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s): Method 7, 9 and 10. Alternative U.S.EPA approved test methods may be used with prior approval from the Hamilton County Department of Environmental Services; and,

- d. the test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Hamilton County Department of Environmental Services.

Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Hamilton County Department of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Hamilton County Department of Environmental Services refusal to accept the results of the emission test(s).

Personnel from the Hamilton County Department of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Hamilton County Department of Environmental Services within 30 days following completion of the test(s). The permittee may

Emissions Unit ID: **B003**

request additional time for the submittal of the written report, where warranted, with prior approval from the Hamilton County Department of Environmental Services.

VI. Miscellaneous Requirements

1. The following is a summary of the netting emissions in tons per year (TPY):

<u>Emissions Unit</u>	<u>Pollutant</u>	<u>Decrease</u>	<u>Increase</u>
B001-B003 (1431154026*)	Nox		+97.5
B001-B003 (1431150801**)	Nox	-136.0***	
K013 (1431150801**) (PTI 14-4281) PTI issued 7/23/97	Nox		+2.8
K014 (1431150801**) (PTI 14-4511) PTI issued 6/10/98	Nox		+9.95
Net Emissions Change		-25.75	

· OEPA premise permit to operate number

** OEPA premise permit to operate number

*** Based on average actual emissions for 1997 and 1998.

B. State Only Enforceable Section**I. Applicable Emissions Limitations and/or Control Requirements**

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

<u>Operations, Property, and/or Equipment</u>	<u>Applicable Rules/Requirements</u>	OAC rule 3745-15-07
73.5 MMBtu/hr natural gas & No. 2 fuel oil fired boiler - #3	OAC rule 3745-31-05	

Applicable Emissions
Limitations/Control
Measures

0.005 lb PM/PM10/MMBtu
(gas)

0.0006 lb SO₂/MMBtu
(gas)

0.004 lb OC/MMBtu (gas
and oil)

0.08 lb NO_x/MMBtu (gas)

0.10 lb CO/MMBtu (gas and
oil)

0.306 lb SO₂/MMBtu (oil)

0.17 lb NO_x/MMBtu (oil)

7.2 TPY PM*

6.6 TPY PM10*

4.4 TPY VOC*

96.6 TPY CO*

* Emissions unit
B001-B003, combined,
based on a rolling, 12-month
summation of the monthly
emissions.

See Part I, term B.7.

2. Additional Terms and Conditions

- 2.a** Compliance with OAC rule 3745-31-05 shall be demonstrated by the limited usage of No. 2 fuel oil, limited sulfur content in the No. 2 fuel oil, emissions limitations and the use of low NO_x burners.

II. Operational Restrictions

None.

III. Monitoring and/or Recordkeeping Requirements

None.

IV. Reporting Requirements

None.

V. Testing Requirements

1. Compliance with the emission limitations outlined in this permit shall be demonstrated by the emission factors, control efficiencies (if applicable) and the operational parameters as submitted in PTI 14-4755 submitted May 21, 1999.

VI. Miscellaneous Requirements

None.