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

6/28/2011

Certified Mail

No	TOXIC REVIEW
No	PSD
Yes	SYNTHETIC MINOR TO AVOID MAJOR NSR
No	CEMS
Yes	MACT/GACT
No	NSPS
No	NESHAPS
No	NETTING
No	MAJOR NON-ATTAINMENT
No	MODELING SUBMITTED

BRUCE RICHARDSON
Cleveland Clinic Foundation
9500 EUCLID AVE
Rm. CC46
Cleveland, OH 44195-0001

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL
Facility ID: 1318004311
Permit Number: P0108190
Permit Type: Administrative Modification
County: Cuyahoga

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install (PTI) which will allow you to install or modify the described emissions unit(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, we urge you to read it carefully.Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

The issuance of this PTI is a final action of the Director and may be appealed to the Environmental Review Appeals Commission pursuant to Section 3745.04 of the Ohio Revised Code. The appeal must be in writing and set forth the action complained of and the grounds upon which the appeal is based. The appeal must be filed with the Commission within thirty (30) days after notice of the Director's action. The appeal must be accompanied by a filing fee of $70.00, made payable to “Ohio Treasurer Josh Mandel," which the Commission, in its discretion, may reduce if by affidavit you demonstrate that payment of the full amount of the fee would cause extreme hardship. Notice of the filing of the appeal shall be filed with the Director within three (3) days of filing with the Commission. Ohio EPA requests that a copy of the appeal be served upon the Ohio Attorney General’s Office, Environmental Enforcement Section. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

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

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. If you have any questions regarding this permit, please contact the Cleveland Division of Air Quality. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page,www.epa.ohio.gov/dapc by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

Michael W. Ahern

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

Cc: U.S. EPA
CDAQ; Pennsylvania; Canada

Ohio | Environmental Protection Agency

FINAL

Division of Air Pollution Control
Permit-to-Install
for
Cleveland Clinic Foundation

Facility ID:	1318004311
Permit Number:	P0108190
Permit Type:	Administrative Modification
Issued:	6/28/2011
Effective:	6/28/2011

Ohio Environmental Protection Agency

Division of Air Pollution Control
Permit-to-Install
for
Cleveland Clinic Foundation

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Authorization

Facility ID: 1318004311
Facility Description: Hospital
Application Number(s): M0001098
Permit Number: P0108190
Permit Description: Adminstrative PTI modification for the Cleveland Clinic for boilers B005 and B006 to limit the annual operating hours while burning No. 2 fuel oil in order to avoid the MACT Subpart JJJJJJ requirements. In addition, the sulfur content limit has been reduced to 0.0015% which results in a change for the allowable fuel oil usage.
Permit Type: Administrative Modification
Permit Fee: $1,000.00
Issue Date: 6/28/2011
Effective Date: 6/28/2011

This document constitutes issuance to:

Cleveland Clinic Foundation
9500 Euclid Ave, Room CC46
Cleveland, OH 44195

of a Permit-to-Install 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 a Permit-to-Install for the 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 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

Scott J. Nally
Director

Authorization (continued)

Permit Number: P0108190
Permit Description: Adminstrative PTI modification for the Cleveland Clinic for boilers B005 and B006 to limit the annual operating hours while burning No. 2 fuel oil in order to avoid the MACT Subpart JJJJJJ requirements. In addition, the sulfur content limit has been reduced to 0.0015% which results in a change for the allowable fuel oil usage.

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

Emissions Unit ID:	**B005**
Company Equipment ID:	RR Building Boiler 5
Superseded Permit Number:	13-03817
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	**B006**
Company Equipment ID:	RR Building Boiler 4
Superseded Permit Number:	13-03817
General Permit Category and Type:	Not Applicable

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:

(1) Standard Term and Condition A.2.a), Severability Clause

(2) Standard Term and Condition A.3.c) through A. 3.e)General Requirements

(3) Standard Term and Condition A.6.c) and A. 6.d), Compliance Requirements

(4) Standard Term and Condition A.9., Reporting Requirements

(5) Standard Term and Condition A.10., Applicability

(6) Standard Term and Condition A.11.b) through A.11.e), Construction of New Source(s) and Authorization to Install

(7) Standard Term and Condition A.14., Public Disclosure

(8) Standard Term and Condition A.15., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

(9) Standard Term and Condition A.16., Fees

(10) Standard Term and Condition A.17., Permit Transfers

2. Severability Clause

a) 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.

b) All terms and conditions designated in parts B and C of this permit are federally enforceable as a practical matter, if they 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 and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. Terms and conditions in parts B and C of this permit shall not be federally enforceable and shall be enforceable under State law only, only if specifically identified in this permit as such.

3. 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 re-issuance, or modification.

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, 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 or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the 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.

4. Monitoring and Related Record Keeping 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:

(1) The date, place (as defined in the permit), and time of sampling or measurements.

(2) The date(s) analyses were performed.

(3) The company or entity that performed the analyses.

(4) The analytical techniques or methods used.

(5) The results of such analyses.

(6) 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:

(1) Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the Cleveland Division of Air Quality.

(2) Quarterly written reports of (i) any deviations from federally enforceable emissionlimitations, operationalrestrictions, andcontroldeviceoperatingparameterlimitations, 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 made to the Cleveland Division of Air Quality. The written reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See A.15. below if no deviations occurred during the quarter.

(3) Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, andreportingrequirements contained in this permit shall be submitted (i.e., postmarked) to the Cleveland Division of Air Quality every six months, by January 31 and July 31 of each year for the previous six calendar months. 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.

(4) This permit is for an emissions unit located at a Title V facility. 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.

d) The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

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, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the Cleveland Division of Air Quality 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 shall be submitted pursuant to 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 emission unit(s) that is (are) served by such control system(s).

6. Compliance Requirements

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

b) 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.

c) 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:

(1) 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.

(2) 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 ORC section 3704.08.

(3) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.

(4) 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.

d) The permittee shall submit progress reports to the Cleveland Division of Air Quality 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:

(1) Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.

(2) 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.

7. Best Available Technology

As specified in OAC Rule 3745-31-05, new sources that must employ Best Available Technology (BAT) shall comply with the Applicable Emission Limitations/Control Measures identified as BAT for each subject emissions unit.

8. 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.

9. Reporting Requirements

The permittee shall submit required reports in the following manner:

a) Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the Cleveland Division of Air Quality.

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 state-only required 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 Cleveland Division of Air Quality. 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 (i.e., postmarked) quarterly, 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.)

10. 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).

11. Construction of New Sources(s) and Authorization to Install

a) This permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. This permit does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the application and terms and conditions of this permit. 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 this permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Issuance of this permit 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 cannot meet the requirements of this permit or cannot meet applicable standards.

b) If applicable, authorization to install any new emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit if the owner or operator has not undertaken a continuing program of installation or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation. 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.

c) The permittee may notify Ohio EPA of any emissions unit that is permanently shut down (i.e., 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) by submitting a certification from the authorized official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the authorized official that the emissions unit was permanently shut down. At a minimum, notification of permanent shut down shall be made or confirmed by marking the affected emissions unit(s) as “permanently shut down” in Ohio EPA’s “Air Services” along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).

d) The provisions of this permit shall cease to be enforceable for each affected emissions unit after the date on which an emissions unit is permanently shut down (i.e., 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). All records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law. All reports required by this permit must be submitted for any period an affected emissions unit operated prior to permanent shut down. At a minimum, the permit requirements must be evaluated as part of the reporting requirements identified in this permit covering the last period the emissions unit operated.

No emissions unit certified by the authorized official as being permanently shut down may resume operation without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31.

e) The permittee shall comply with any residual requirements related to this permit, such as the requirement to submit a deviation report, air fee emission report, or other any reporting required by this permit for the period the operating provisions of this permit were enforceable, or as required by regulation or law. All reports shall be submitted in a form and manner prescribed by the Director. All records relating to this permit must be maintained in accordance with law.

12. Permit-To-Operate Application

The permittee is required to apply for a Title V permit 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. However, if the proposed new or modified source(s) would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification must be obtained before the operation of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d).

13. Construction Compliance Certification

The applicant shall identify the following dates in the online facility profile for each new emissions unit identified in this permit.

a) Completion of initial installation date shall be enteredupon completion of construction and prior to start-up.

b) Commence operation after installation or latest modification date shall be entered within 90 days after commencing operation of the applicable emissions unit.

14. 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.

15. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

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., postmarked), by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters.

16. 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 any permit-to-install. The permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

17. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The new owner must update and submit the ownership information via the “Owner/Contact Change” functionality in Air Services once the transfer is legally completed.The change must be submitted through Air Services within thirty days of the ownership transfer date.

18. 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.

19. 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.

B. Facility-Wide Terms and Conditions

1. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:

   a) None.

C. Emissions Unit Terms and Conditions

1. B005, RR Building Boiler 5

Operations, Property and/or Equipment Description:

171.3 mmBtu/hr natural gas/(No. 2 fuel oil as backup) fired boiler

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	***When burning natural gas:*** Carbon monoxide (CO) emissions shall not exceed 14.11 lbs/hr. Volatile organic compound (VOC) emissions shall not exceed 0.92 lb/hr. Sulfur dioxide (SO_2) emissions shall not exceed 0.10 lb/hr. Particulate (PM/PM_{10}) emissions shall not exceed1.28 lbs/hr. See b)(2)a. below. ***When burning No. 2 fuel oil:*** Carbon monoxide (CO) emissions shall not exceed 6.03 lbs/hr. Volatile organic compound (VOC) emissions shall not exceed 0.24 lb/hr. Particulate (PM/PM_{10}) emissions shall not exceed3.98 lbs/hr. Sulfur dioxide (SO_2) emissions shall not exceed 0.26 lb/hr. See b)(2)b. below. The requirements established pursuant to this rule also include the requirements of OAC rules 3745-17-07(A) and 3745-110-03(C).

b.	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a six-minute average, except as provided by rule.
c.	OAC rule 3745-17-10(B)(1)	The particulate emission limitation specified by this rule is less stringent than the particulate emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
d.	OAC rule 3745-18-06(D)	The sulfur dioxide emission limitation specified by this rule is less stringent than the sulfur dioxide emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
e.	OAC rule 3745- 31-05(D) Synthetic Minor to avoid PSD	The combined annual emissions resulting from the operation of emission units B005 and B006 shall not exceed the following limits: ***When burning natural gas:*** 39.93 tons of NO_X emissions as a 12-month rolling summation 32.89 tons of CO emissions as a 12-month rolling summation ***When burning No. 2 fuel oil:*** 0.02 ton of SO_2 emissions as a 12-month rolling summation 0.99 ton of NO_X emissions as a 12-month rolling summation
f.	OAC rule 3745-110-03(C)	***When burning natural gas:*** Nitrogen oxide (NO_X) emissions shall not exceed 0.10 lb per mmBtu actual heat input. ***When burning No. 2 fuel oil:*** Nitrogen oxide (NO_X) emissions shall not exceed 0.12 lb per mmBtu actual heat input.
g.	40 CFR Part 63, Subpart JJJJJJ	See b)(2)e. below.

(2) Additional Terms and Conditions

a. When burning natural gas:

The annual emissions resulting from the operation of emissions unit B005 shall not exceed the following limits:

NO_X 39.93 tons/year

CO 32.89 tons/year

VOC 2.15 tons/year

SO_2 0.23 ton/year

PM/PM_{10} 2.98 tons/year

b. When burning No. 2 fuel oil:

The annual emissions resulting from the operation of emissions unit B005 shall not exceed the following limits:

NO_X 0.49 ton/year

CO 0.14 ton/year

VOC 0.01 ton/year

SO_2 0.01 ton/year

PM/PM_{10} 0.10 ton/year

c. This emissions unit was installed in June 1976. The fuel feed equipment serving it was upgraded in December 1984.

d. This emissions unit is not currently subject to the requirements specified in 40 CFR Part 60, Subpart Db (Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units) or 40 CFR Part 60, Subpart Dc (Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.)

e. This emissions unit is not subject to the requirements of this rule if fuel oil is only burned during periods of gas curtailment, gas supply emergencies, or periodic testing. Periodic testing of the fuel oil shall not exceed 48 hours during any calendar year.

c) Operational Restrictions

(1) The permittee shall burn only natural gas and/or number two 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 maximum sulfur in fuel limitation of 0.0015% by weight.

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.

(3) The combined maximum annual natural gas usage for emissions units B005 and B006 shall not exceed 783 mmcu.ft, based upon a rolling, 12-month summation of the natural gas usage rate figures.

(4) The maximum annual No. 2 fuel oil usage for source B005 shall not exceed 57,888 gallons based upon a rolling, 12-month summation of the No. 2 fuel oil usage figures.

d) Monitoring and/or Recordkeeping Requirements

(1) For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

(2) The permittee shall maintain monthly records of the following information for emission unit B005 :

a. the No. 2 fuel oil usage rate for each month in gallons;

b. the monthly operating hours while burning No. 2 fuel oil; and

c. the rolling, 12-month summation of the No. 2 fuel oil usage rates.

(3) The permittee shall maintain monthly records of the following information for emission units B005 and B006 combined:

a. the amount of natural gas burned for each month in mmcu.ft; and

b. the rolling, 12-month summation of natural gas burned in these emissions units.

(4) 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 appropriate Ohio EPA District Office or local air agency.

(5) For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content and heat content.

e) Reporting Requirements

(1) The permittee shall submit deviation (excursion) reports to the Cleveland Division of Air Quality (Cleveland DAQ) that identify each day when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

(2) The permittee shall submit deviation (excursion) reports to the Cleveland DAQ which identify all exceedances of the rolling, 12-month No. 2 fuel oil usage limitation.

(3) The permittee shall submit deviation (excursion) reports to the Cleveland DAQ which identify all exceedances of the rolling, 12-month natural gas usage limitation.

(4) The permittee shall submit deviation (excursion) reports to the Cleveland DAQ which identify all exceedances of the sulfur content percent by weight limitation for No. 2 fuel oil combusted in this emissions unit.

(5) The permittee shall submit deviation (excursion) reports to the Cleveland DAQ which identify all exceedances of the annual operating hours for this emissions unit while burning No. 2 fuel oil.

f) Testing Requirements

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

a. Emission Limitation:
Visible particulate emissions from any stack shall not exceed 20% opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:
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).

b. Emission Limitation –

NOx emissions shall not exceed 0.10 lb/mmBtu and 39.93 tons/year when burning natural gas

Applicable Compliance Method -

Compliance with the lb/mmBtu emission limitation was demonstrated through performance testing conducted in December 2010. The average emission rate for NOx emissions was 0.0375 lb/mmBtu.

The tons/year emission rate shall be determined by multiplying the lb/mmBtuNOx emission rate established through performance testing by the heating value for natural gas (1,020 Btu/cu.ft), the annual natural gas usage (in mmcu.ft) for this emissions unit and the factor (1.0 ton/2,000 lbs).

c. Emission Limitation –

CO emissions shall not exceed 14.11 lbs/hr and 32.89 tons/year when burning natural gas

Applicable Compliance Method -

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum hourly natural gas usage for this emissions unit (167,941 cu.ft/hr) and the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-1(7/98) emission factor for CO (84 lbs of CO/million cubic feet).

The tons/year emission rate shall be determined by multiplying the AP-42 emission factor for CO (84 lbs of CO/million cubic feet) by the annual natural gas usage (in mmcu.ft) for this emissions unit and the factor (1.0 ton/2,000 lbs).

d. Emission Limitation -

VOC emissions shall not exceed 0.92 lb/hr and 2.15 tons/year when burning natural gas

Applicable Compliance Method -

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum hourly natural gas usage for this emissions unit (167,941 cu.ft/hr) and the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-2(7/98) emission factor for VOC (5.5 lbs of VOC/million cubic feet).

The tons/year emission rate shall be determined by multiplying the AP-42 emission factor for VOC (5.5 lbs of VOC/million cubic feet) by the annual natural gas usage (in mmcu.ft) for this emissions unit and the factor (1.0 ton/2,000 lbs).

e. Emission Limitation –

SO_2 emissions shall not exceed 0.1 lb/hr and 0.23 ton/year when burning natural gas

Applicable Compliance Method -

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum hourly natural gas usage for this emissions unit (167,941 cu.ft/hr) and the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-2(7/98) emission factor for SO_2 (0.6 lb of SO_2/million cubic feet).

The ton/year emission rate shall be determined by multiplying the AP-42 emission factor for SO_2 (0.6 lb of SO_2/million cubic feet) by the annual natural gas usage (in mmcu.ft) for this emissions unit and the factor (1.0 ton/2,000 lbs).

f. Emission Limitation -

PM/PM_{10}emissions shall not exceed 1.28 lbs/hr of and 2.98 tons/year when burning natural gas

Applicable Compliance Method -

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum hourly natural gas usage for this emissions unit (167,941 cu.ft/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-2(7/98) emission factor for PM/PM_{10} (7.6 lbs of PM/PM_{10}/million cubic feet).

The tons/year emission rate shall be determined by multiplying the AP-42 emission factor for PM/PM_{10} (7.6 lbs PM/PM_{10}/million cubic feet) by the annual natural gas usage (in mmcu.ft) for this emissions unit and the factor (1.0 ton/2,000 lbs).

g. Emission Limitation -

NO_X emissions shall not exceed 0.12 lb/mmBtu and 0.49 ton/year when burning No. 2 fuel oil

Applicable Compliance Method -

Compliance with the lb/mmBtu emission limitation was demonstrated through performance testing conducted in December 2010. The average emission rate for NO_X emissions was 0.0951 lb/mmBtu.

The tons/year emission rate will be determined by multiplying the lb/mmBtu NO_X emission rate established through performance testing by the heating factor for No. 2 fuel oil (0.14 mmBtu/gallon),the annual No. 2 fuel oil usage (in gallons) for this emissions unit and the factor (1.0 ton/2,000 lbs).

h. Emission Limitation –

CO emissions shall not exceed 6.03 lbs/hr and 0.14 ton/year when burning No. 2 fuel oil

Applicable Compliance Method -

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity for this emissions unit (1,206 gals/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(5/10) for CO (5 lbs/1,000 gal).

The ton/year emission rate will be determined by multiplying the above AP-42 emission factor by the annual No. 2 fuel oil usage (in gallons) for this emissions unit and the factor (1.0 ton/2,000 lbs).

i. Emission Limitation -

PM/PM_{10}emissions shall not exceed 3.98 lbs/hr and 0.10 ton/year when burning No. 2 fuel oil

Applicable Compliance Method –

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity for this emissions unit (1,206 gals/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(5/10) and Table 1.3-2 (5/10) for PM/PM_{10} (3.3 lbs/1,000 gal).

The ton/year emission rate will be determined by multiplying the above AP-42 emission factor by the annual No. 2 fuel oil usage (in gallons) for this emissions unit and the factor (1.0 ton/2,000 lbs).

j. Emission Limitation -

SO_2emissions shall not exceed 0.26 lb/hr of and 0.01 ton/year when burning No. 2 fuel oil

Applicable Compliance Method -

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity for this emissions unit (1,206 gals/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(5/10) emission factor for SO_2 (142*S lbs/1,000gal where S = %weight of sulfur in the No. 2 fuel oil).

The ton/year emission rate shall be determined by multiplying the above lb/1,000 gal emission factor by the annual No. 2 fuel oil usage (in gallons) for this emissions unit and the factor (1.0 ton/2,000 lbs).

k. Emission Limitation -

VOCemissions shall not exceed 0.24 lb/hr and 0.01 ton/year when burning No. 2 fuel oil

Applicable Compliance Method -

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity for this emissions unit (1,206 gals/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-3(5/10) emission factor for VOC (0.2 lb/1,000 gal).

The ton/year emission rate shall be determined by multiplying the above lb/1,000 gal emission factor by the annual No. 2 fuel oil usage (in gallons) for this emissions unit and the factor (1.0 ton/2,000 lbs).

l. Emission Limitation-

When burning natural gas in emissions units B005 and B006 (combined total)

39.93 tons of NO_X emissions as a 12-month rolling summation

Applicable Compliance Method -

Compliance with the above limitation shall be based on the recordkeeping requirement in d)(3) of this permit. Compliance with the rolling, 12-month emissions limitation shall be demonstrated provided compliance is maintained with the rolling, 12-month usage restriction.

m. Emission Limitation-

When burning natural gas in emissions units B005 and B006 (combined total)

32.89 tons of CO emissions as a 12-month rolling summation

Applicable Compliance Method –

Compliance with the above limitation shall be based on the recordkeeping requirement in d)(3) of this permit. Compliance with the rolling, 12-month emissions limitation shall be demonstrated provided compliance is maintained with the rolling, 12-month usage restriction.

n. Emission Limitation -

When burning No. 2 fuel oil in emissions units B005 and B006 (combined total)

0.02 ton of SO_2 emissions as a 12-month rolling summation

Applicable Compliance Method -

Compliance with the above limitation shall be based on the recordkeeping requirement in d)(2) of this permit. Compliance with the rolling, 12-month emissions limitation shall be demonstrated provided compliance is maintained with the rolling, 12-month usage restriction.

o. Emission Limitation -

When burning No. 2 fuel oil in emissions units B005 and B006 (combined total)

0.99 ton of NO_X emissions as a 12-month rolling summation

Applicable Compliance Method -

Compliance with the above limitation shall be based on the recordkeeping requirement in d)(2) of this permit. Compliance with the rolling, 12-month emissions limitation shall be demonstrated provided compliance is maintained with the rolling, 12-month usage restriction.

g) Miscellaneous Requirements

(1) The terms and conditions of this permit supercede the terms and conditions of Permit No. 13-03817 issued December 27, 2001.

2. B006, RR Building Boiler 4

Operations, Property and/or Equipment Description:

173.2 mmBtu/hr natural gas/(No. 2 fuel oil as backup) fired boiler

a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	***When burning natural gas:*** Carbon monoxide (CO) emissions shall not exceed 14.26 lbs/hr. Volatile organic compound (VOC) emissions shall not exceed 0.93 lb/hr. Sulfur dioxide (SO_2) emissions shall not exceed 0.10 lb/hr. Particulate (PM/PM_{10}) emissions shall not exceed 1.29 lbs/hr. See b)(2)a. below. ***When burning No. 2 fuel oil:*** Carbon monoxide (CO) emissions shall not exceed 6.10 lbs/hr. Volatile organic compound (VOC) emissions shall not exceed 0.24 lb/hr. Particulate (PM/PM_{10}) emissions shall not exceed 4.03 lbs/hr. Sulfur dioxide (SO_2) emissions shall not exceed 0.26 lbs/hr. See b)(2)b. below. The requirements established pursuant to this rule also include the requirements of OAC rules 3745-17-07(A) and 3745-110-03(C).

b.	OAC rule 3745-17-07(A)	Visible particulate emissions from any stack shall not exceed 20% opacity as a six-minute average, except as provided by rule.
c.	OAC rule 3745-17-10(B)(1)	The particulate emission limitation specified by this rule is less stringent than the particulate emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
d.	OAC rule 3745-18-06(D)	The sulfur dioxide emission limitation specified by this rule is less stringent than the sulfur dioxide emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
e.	OAC rule 3745- 31-05(D) Synthetic Minor to avoid PSD	The combined annual emissions resulting from the operation of emission units B005 and B006 shall not exceed the following limits: ***When burning natural gas:*** 39.93 tons of NOx emissions as a 12-month rolling summation 32.89 tons of CO emissions as a 12-month rolling summation ***When burning No. 2 fuel oil:*** 0.02 ton of SO_2 emissions as a 12-month rolling summation 0.99 ton of NOx emissions as a 12-month rolling summation
f.	OAC rule 3745-110-03(C)	***When burning natural gas:*** Nitrogen oxide (NO_X) emissions shall not exceed 0.10 lb per mmBtu actual heat input. ***When burning No. 2 fuel oil:*** Nitrogen oxide (NO_X) emissions shall not exceed 0.12 lb per mmBtu actual heat input.
g.	40 CFR Part 63, Subpart JJJJJJ	See b)(2)e. below.

(2) Additional Terms and Conditions

a. When burning natural gas:

The annual emissions resulting from the operation of emissions unit B006 shall not exceed the following limits:

NOx 39.93 tons/year

CO 32.89 tons/year

VOC 2.15 tons/year

SO_2 0.23 ton/year

PM/PM_{10} 2.98 tons/year

b. When burning No. 2 fuel oil:

The annual emissions resulting from the operation of emissions unit B006 shall not exceed the following limits:

NOx 0.50 ton/year

CO 0.15 ton/year

VOC 0.01 ton/year

SO_2 0.01 ton/year

PM/PM_{10} 0.10 ton/year

c. This emissions unit was installed in June 1971. The fuel feed equipment serving it was upgraded in January 1985.

d. This emissions unit is not currently subject to the requirements specified in 40 CFR Part 60, Subpart Db (Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units) or 40 CFR Part 60, Subpart Dc (Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units.)

e. This emissions unit is not subject to the requirements of this rule if fuel oil is only burned during periods of gas curtailment, gas supply emergencies, or periodic testing. Periodic testing of the fuel oil shall not exceed 48 hours during any calendar year.

c) Operational Restrictions

(1) The permittee shall burn only natural gas and/or number two 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 maximum allowable sulfur in fuel limitation of 0.0015% by weight.

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.

(3) The combined maximum annual natural gas usage for emissions units B005 and B006 shall not exceed 783 mmcu.ft, based upon a rolling, 12-month summation of the natural gas usage rate figures.

(4) The maximum annual No. 2 fuel oil usage for source B006 shall not exceed 58,560 gallons based upon a rolling, 12-month summation of the No. 2 fuel oil usage figures.

d) Monitoring and/or Recordkeeping Requirements

(1) For each day during which the permittee burns a fuel other than natural gas and/or number two fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

(2) The permittee shall maintain monthly records of the following information for emissions unit B006:

a. the No. 2 fuel oil usage rate for each month in gallons;

b. the monthly operating hours while burning No. 2 fuel oil; and

c. the rolling, 12-month summation of the No. 2 fuel oil usage rates.

(3) The permittee shall maintain monthly records of the following information for emission units B005 and B006 combined:

a. the amount of natural gas burned for each month in mmcu.ft; and

b. the rolling, 12-month summation of natural gas burned in these emissions units.

(4) 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 appropriate Ohio EPA District Office or local air agency.

(5) For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received and the permittee's or oil supplier's analyses for sulfur content and heat content.

e) Reporting Requirements

(1) The permittee shall submit deviation (excursion) reports to the Cleveland Division of Air Quality (Cleveland DAQ) that identify each day when a fuel other than natural gas and/or number two fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

(2) The permittee shall submit deviation (excursion) reports to the Cleveland DAQ which identify all exceedances of the rolling, 12-month No. 2 fuel oil usage limitation.

(3) The permittee shall submit deviation (excursion) reports to the Cleveland DAQ which identify all exceedances of the rolling, 12-month natural gas usage limitation.

(4) The permittee shall submit deviation (excursion) reports to the Cleveland DAQ which identify all exceedances of the sulfur content limitation for oil combusted in this emissions unit.

(5) The permittee shall submit deviation (excursion) reports to the Cleveland DAQ which identify all exceedances of the annual operating hours for this emissions unit while burning No. 2 fuel oil.

f) Testing Requirements

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

a. Emission Limitation:
Visible particulate emissions from any stack shall not exceed 20% opacity as a six-minute average, except as provided by rule.

Applicable Compliance Method:
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).

b. Emission Limitation –

NOx emissions shall not exceed 0.10 lb/mmBtu and 39.93 tons/year when burning natural gas

Applicable Compliance Method -

Compliance with the lb/mmBtu emission limitation was demonstrated through performance testing conducted in December 2010. The average emission rate for NOx emissions was 0.0305 lb/mmBtu.

The tons/year emission rate will be determined by multiplying the lb/mmBtu NO_X emission rate established through performance testing by the heating value for natural gas (1,020 Btu/cu.ft), the annual natural gas usage (in mmcu.ft) for this emissions unit and the factor (1.0 ton/2,000 lbs).

c. Emission Limitation –

CO emissions shall not exceed 14.26 lbs/hr and 32.89 tons/year when burning natural gas

Applicable Compliance Method -

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum hourly natural gas usage for this emissions unit (169,804 cu.ft/hr) and the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-1(7/98) emission factor for CO (84 lbs of CO/million cubic feet).

The tons/year emission rate shall be determined by multiplying the AP-42 emission factor for CO (84 lbs of CO/million cubic feet) by the annual natural gas usage (in mmcu.ft) for this emissions unit and the factor (1.0 ton/2,000 lbs).

d. Emission Limitation -

VOC emissions shall not exceed 0.93 lb/hr and 2.15 tons/year when burning natural gas

Applicable Compliance Method -

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum hourly natural gas usage for this emissions unit (169,804 cu.ft/hr) and the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-2(7/98) emission factor for VOC (5.5 lbs of VOC/million cubic feet).

The tons/year emission rate shall be determined by multiplying the AP-42 emission factor for VOC (5.5 lbs of VOC/million cubic feet) by the annual natural gas usage (in mmcu.ft) for this emissions unit and the factor (1.0 ton/2,000 lbs).

e. Emission Limitation –

SO_2 emissions shall not exceed 0.1 lb/hr and 0.23 ton/year when burning natural gas

Applicable Compliance Method -

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum hourly natural gas usage for this emissions unit (169,804 cu.ft/hr) and the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-2(7/98) emission factor for SO_2 (0.6 lb of SO_2/million cubic feet).

The ton/year emission rate shall be determined by multiplying the AP-42 emission factor for SO_2 (0.6 lb of SO_2/million cubic feet) by the annual natural gas usage (in mmcu.ft) for this emissions unit and the factor (1.0 ton/2,000 lbs).

f. Emission Limitation -

PM/PM_{10}emissions shall not exceed 1.29 lbs/hr of and 2.98 tons/year when burning natural gas

Applicable Compliance Method -

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum hourly natural gas usage for this emissions unit (169,804 cu.ft/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.4 Table 1.4-2(7/98) emission factor for PM/PM_{10} (7.6 lbs of PM/PM_{10}/million cubic feet).

The tons/year emission rate shall be determined by multiplying the AP-42 emission factor for PM/PM_{10} (7.6 lbs PM/PM_{10}/million cubic feet) by the annual natural gas usage (in mmcu.ft) for this emissions unit and the factor (1.0 ton/2,000 lbs).

g. Emission Limitation -

NO_X emissions shall not exceed 0.12 lb/mmBtu and 0.50 ton/year when burning No. 2 fuel oil

Applicable Compliance Method -

Compliance with the lb/mmBtu emission limitation was demonstrated through performance testing conducted in December 2010. The average emission rate for NO_X emissions was 0.0881 lb/mmBtu.

The tons/year emission rate will be determined by multiplying the lb/mmBtu NO_X emission rate established through performance testing by the heating factor for No. 2 fuel oil (0.14 mmBtu/gallon), the annual No. 2 fuel oil usage (in gallons) for this emissions unit and the factor (1.0 ton/2,000 lbs).

h. Emission Limitation –

CO emissions shall not exceed 6.10 lbs/hr and 0.15 ton/year when burning No. 2 fuel oil

Applicable Compliance Method -

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity for this emissions unit (1,220 gals/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(5/10) for CO (5 lbs/1,000 gal).

The ton/year emission rate will be determined by multiplying the above AP-42 emission factor by the annual No. 2 fuel oil usage (in gallons) for this emissions unit and the factor (1.0 ton/2,000 lbs).

i. Emission Limitation -

PM/PM_{10}emissions shall not exceed 4.03 lbs/hr and 0.10 ton/year when burning No. 2 fuel oil

Applicable Compliance Method –

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity for this emissions unit (1,220 gals/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(5/10) and Table 1.3-2 (5/10) for PM/PM_{10} (3.3 lbs/1,000 gal).

The ton/year emission rate will be determined by multiplying the above AP-42 emission factor by the annual No. 2 fuel oil usage (in gallons) for this emissions unit and the factor (1.0 ton/2,000 lbs).

j. Emission Limitation -

SO_2emissions shall not exceed 0.26 lb/hr of and 0.01 ton/year when burning No. 2 fuel oil

Applicable Compliance Method -

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity for this emissions unit (1,220 gals/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-1(5/10) emission factor for SO_2 (142*S lbs/1,000gal where S = %weight of sulfur in the No. 2 fuel oil).

The ton/year emission rate shall be determined by multiplying the above lb/1,000 gal emission factor by the annual No. 2 fuel oil usage (in gallons) for this emissions unit and the factor (1.0 ton/2,000 lbs).

k. Emission Limitation -

VOCemissions shall not exceed 0.24 lb/hr and 0.01 ton/year when burning No. 2 fuel oil

Applicable Compliance Method -

Compliance with the lb/hr emission limitation shall be determined by multiplying the maximum hourly fuel oil burning capacity for this emissions unit (1,220 gals/hr) by the U.S. EPA reference document AP-42, 5th edition Compilation of Air Pollution Emission Factors Section 1.3 Table 1.3-3(5/10) emission factor for VOC (0.2 lb/1,000 gal).

The ton/year emission rate shall be determined by multiplying the above lb/1,000 gal emission factor by the annual No. 2 fuel oil usage (in gallons) for this emissions unit and the factor (1.0 ton/2,000 lbs)

l. Emission Limitation-

When burning natural gas in emissions units B005 and B006 (combined total)

39.93 tons of NO_X emissions as a 12-month rolling summation

Applicable Compliance Method -

Compliance with the above limitation shall be based on the recordkeeping requirement in d)(3) of this permit. Compliance with the rolling, 12-month emissions limitation shall be demonstrated provided compliance is maintained with the rolling, 12-month usage restriction.

m. Emission Limitation-

When burning natural gas in emissions units B005 and B006 (combined total)

32.89 tons of CO emissions as a 12-month rolling summation

Applicable Compliance Method –

Compliance with the above limitation shall be based on the recordkeeping requirement in d)(3) of this permit. Compliance with the rolling, 12-month emissions limitation shall be demonstrated provided compliance is maintained with the rolling, 12-month usage restriction.

n. Emission Limitation -

When burning No. 2 fuel oil in emissions units B005 and B006 (combined total)

0.02 ton of SO_2 emissions as a 12-month rolling summation

Applicable Compliance Method -

Compliance with the above limitation shall be based on the recordkeeping requirement in d)(2) of this permit. Compliance with the rolling, 12-month emissions limitation shall be demonstrated provided compliance is maintained with the rolling, 12-month usage restriction.

o. Emission Limitation -

When burning No. 2 fuel oil in emissions units B005 and B006 (combined total)

0.99 ton of NO_X emissions as a 12-month rolling summation

Applicable Compliance Method -

Compliance with the above limitation shall be based on the recordkeeping requirement in d)(2) of this permit. Compliance with the rolling, 12-month emissions limitation shall be demonstrated provided compliance is maintained with the rolling, 12-month usage restriction.

g) Miscellaneous Requirements

(1) The terms and conditions of this permit supercede the terms and conditions of Permit No. 13-03817 issued December 27, 2001.