State of Ohio Environmental Protection Agency

RE: DRAFT PERMIT TO INSTALL MODIFICATION **CERTIFIED MAIL**
PIKE COUNTY

Street Address: Mailing Address: Lazarus Gov. Center
Lazarus Gov. Center **TELE:** (614) 644-3020 **FAX:** (614) 644-2329

Application No: 06-06708

DATE: 7/08/2003

Portsmouth Gaseous Diffusion Plant/Becht
Gilbert Drexel
PO Box 900
Piketon, OH 45661

You are hereby notified that the Ohio Environmental Protection Agency has made a draft action recommending that the Director issue a Permit to Install modification for the air contaminant source(s) [emissions unit(s)] shown on the enclosed draft permit modification. 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 modification 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 modification may be issued in proposed of 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 modification a fee of **$ 550** 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,
Michael W. Ahern
Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

CC: USEPA **SEDO** **KY** **WV**

PUBLIC NOTICE
ISSUANCE OF DRAFT PERMIT TO INSTALL **06-06708** FOR AN AIR CONTAMINANT SOURCE FOR
PORTSMOUTH GASEOUS DIFFUSION PLANT/BECHT

On 7/8/2003 the Director of the Ohio Environmental Protection Agency issued a draft action of a Permit To Install an air contaminant source for **Portsmouth Gaseous Diffusion Plant/Becht**, located at **3930 US Rt 23 S, Piketon**, Ohio.

Installation of the air contaminant source identified below may proceed upon final issuance of Permit To Install 06-06708:

Administrative modification to PTI 06-06708 issued on March 25 2003.

Comments concerning this draft action, or a request for a public meeting, must be sent in writing to the address identified below no later than thirty (30) days from the date this notice is published. All inquiries concerning this draft action may be directed to the contact identified below.

Kay Gilmer, Ohio EPA, Southeast District Office, 2195 Front Street, Logan, OH 43138 [(740)385-8501]

STATE OF OHIO ENVIRONMENTAL PROTECTION AGENCY

Permit To Install | **Issue Date: To be entered upon final issuance**
Terms and Conditions | **Effective Date: To be entered upon final issuance**

DRAFT MODIFICATION OF PERMIT TO INSTALL 06-06708

Application Number:	06-06708
APS Premise Number:	0666000050
Permit Fee:	**To be entered upon final issuance**
Name of Facility:	Portsmouth Gaseous Diffusion Plant/Becht
Person to Contact:	Gilbert Drexel
Address:	PO Box 900 Piketon, OH 45661

Location of proposed air contaminant source(s) [emissions unit(s)]:
3930 US Rt 23 S
Piketon, Ohio

Description of proposed emissions unit(s):
Administrative modification to PTI 06-06708 issued on March 25 2003.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification 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 source(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 included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Director

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 of federally enforceable 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 <u>emission limitations</u>, <u>operational restrictions</u>, <u>and control device operating parameter limitations</u>, 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 appropriate Ohio EPA District Office or local air agency. 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. See B.9 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. 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 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).

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 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 ORC section 3704.08.

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.

10. Permit To Operate Application

a. If 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).

b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

11. 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.

12. 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.

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 of state-only enforceable 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 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 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. 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.

4. 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.

5. 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 cannot meet the requirements of this permit 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 cannot meet the requirements of this permit or cannot meet applicable standards.

6. 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.

7. 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).

8. 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 source.

9. 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

Pollutant	Tons per Year
NO_x	77.1
SO_2	14.5
CO	59.7
VOC	4.6
PM	6.0

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	
B007 - 81.1 mmBtu per hour Natural Gas and number 2, low sulfur fuel oil fired boiler."Modified" (Terms in this permit supersede those identified in PTI # 06 06708 issued March 25, 2003)	OAC rule 3745-31-05(A)(3)	
		OAC rule 3745-17-10(B)(1)
		OAC rule 3745-17-07(A)
		OAC rule 3745-17-07(A)
		OAC rule 3745-35-07(B)

	Applicable Emissions Limitations/Control Measures	Subpart Dc.
	Nitrogen oxide (NO_x) emissions shall not exceed: 0.20 lb/MmBtu actual heat input from low sulfur fuel oil; 0.05 lb/MmBtu actual heat input from natural gas; and 16.2 lbs/hr. Sulfur dioxide (SO_2) emissions shall not exceed: 0.051 lb/MmBtu actual heat input from low sulfur fuel oil; and 4.14 lbs/hr. Carbon monoxide (CO) emissions shall not exceed: 0.082 lb/MmBtu actual heat input from natural gas; 0.04 lb/MmBtu actual heat input from low sulfur fuel oil; and 6.7 lbs/hr.	Particulate emissions shall not exceed 0.020 lb mmBtu actual heat input. The visible particulate emission limitation specified in OAC rule 3745-17-07(A)(1) is less stringent than the visible emission limitation specified in 40 CFR, Part 60, Subpart Dc while operating on number 2 low sulfur fuel oil. Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by rule while operating on natural gas. B007 & B008 together shall not consume more than 4,000,000 gallons of number 2 low sulfur fuel oil, based upon a rolling, 12-month summation. Emissions from the use of both natural gas and low sulfur fuel oil, in emissions units B007 and B008 together, shall not exceed the following:
40 CFR 60, Subpart Dc	Volatile Organic Compounds (VOC) emissions shall not exceed 0.01 lb/MmBtu actual heat input from low sulfur fuel oil; and 0.8 lb/hr. Particulate emissions(PE) emissions shall not exceed 1.62 lbs/hr.	Sulfur dioxide (SO_2) shall not exceed 14.5 tons per rolling 12-month period; Nitrogen oxide (NO_x) shall not exceed 77.1 tons per rolling 12-month period; Carbon monoxide (CO) shall not exceed 59.7 tons per rolling 12-month period;
OAC rule 3745-18-06(A)	The requirements of this rule also include compliance with the requirements of 3745-17-10(B)(1), OAC rule 3745-17-07(A), OAC 3745-31-05(D), and 40 CFR 60,	Volatile organic compounds (VOC) shall not exceed 4.5 tons per rolling 12-month period; and

Particulate emissions (PE) shall not exceed 6.0 tons per rolling 12-month period.

Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except for one 6-minute period per hour of not more than 27% opacity; and the SO_2 emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3) while operating on number 2 low sulfur fuel oil.

The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

1. The total maximum low sulfur, No. 2 fuel oil usage of emissions units B007 and B008 combined shall not exceed 4,000,000 gallons, based upon a rolling, 12-month summation.

To ensure enforceability during the first 12 calendar months following the startup of this emissions unit the permittee shall not exceed the monthly fuel oil usage restrictions specified in the following table:

Month	Cumulative fuel oil usage for B007 and B008
1	1,000,000
1-2	2,000,000
1-3	3,000,000

1-4 through 12	4,000,000

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual fuel oil usage limitation for B007 and B008 shall be based on a rolling, 12-month summation of fuel oil usage.

2. The sulfur content of fuel oil burned in this emissions unit shall not exceed 0.05 percent by weight. The quality of the oil burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in Section A.I above.

III. Monitoring and/or Record keeping Requirements

1. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F)). A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240 and D4294), or equivalent methods as approved by the Director.

The permittee shall maintain records of the oil burned in this emissions unit in accordance with either Alternative 1 or Alternative 2 described below.

a. Alternative 1:

For each shipment of oil received for burning in this emissions unit, the permittee shall collect or require the oil supplier to collect a representative grab sample of oil and maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F)). A shipment may be comprised of multiple tank truck loads from the same supplier's batch, and the quality of the oil for those loads may be represented by a single batch analysis from the

supplier.

b. Alternative 2:

The permittee shall collect a representative grab sample of oil that is burned in this emissions unit for each day when the emissions unit is in operation. If additional fuel oil is added to the tank serving this emissions unit on a day when the emissions unit is in operation, the permittee shall collect a sufficient number of grab samples to develop a composite sample representative of the fuel oil burned in this emissions unit. A representative grab sample of oil does not need to be collected on days when this emissions unit is only operated for the purpose of "test-firing." The permittee shall maintain records of the total quantity of oil burned each day, except for the purpose of test-firing, the permittee's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F)).

2. The permittee shall maintain daily records of the total quantity of the low sulfur, No. 2 fuel oil (in gallons) and/or natural gas (in millions of cubic feet) combusted in this emissions unit.

3. The permittee shall record and maintain records of the amount of fuel oil combusted each month, and the cumulative amount from preceding months as follows:

a. During the first 12 calendar months of operation, following issuance of this permit, the permittee shall record the cumulative gallons of fuel oil combusted for each calendar month; and

b. Beginning after the first 12 calendar months of operation, following issuance of this permit, the permittee shall record the rolling, 12-month summation of fuel oil combusted.

4. For any day during which the permittee burns a fuel other than natural gas and/or low sulfur (0.05%), No. 2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify any record which shows that the sulfur content of the fuel oil exceeded 0.05 percent by weight, or identification of any day in which a fuel other than natural gas and/or the low sulfur (0.05%), No.2 fuel oil was burned. The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I, Section B.2.b of the General Term and Conditions.

2. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances

of the rolling, 12-month fuel oil usage limitation, and for the first 12 calendar months of operation, all exceedances of the maximum allowable cumulative fuel oil usage levels specified in Section A.II.1. The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I, Section A.1.c.ii of the General Term and Conditions.

3. This emissions unit is subject to the applicable provisions of Subpart Dc of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60. The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

a. Pursuant to 40 CFR Part 60.7, the permittee is hereby advised of the requirement to report the following at the appropriate times:

i. Construction date (no later than 30 days after such date);

ii. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);

iii. Actual start-up date (within 15 days after such date); and,

iv. 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

Ohio Environmental Protection Agency
Southeast District Office
Division of Air Pollution Control
2195 Front Street
Logan, Ohio 43138

b. Pursuant to 40 CFR Part 60.48c(d) & (e), the permittee shall submit quarterly reports to the Ohio EPA Southeast District Office, which includes the following information:

i. Calendar dates covered in the reporting period;

ii. The name of the oil supplier(s);

iii. A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in Section 60.41c, or records of the fuel suppler(s) certification(s) of the sulfur content for each shipment of oil received during the reporting period; and

iv. A certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

These quarterly reports shall be postmarked by the 30th day following the end of the reporting quarter of each year, and shall cover the fuel oil shipments received during the previous calendar quarters.

V. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing in accordance with the following requirements:

a. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the emissions unit will be operated, but not later than 180 days after initial startup of such emissions unit.

b. The emission testing shall be conducted to demonstrate compliance with the lb/mmBtu limitations for NO_x and CO from the combustion of low sulfur, No. 2 fuel oil, and for NO_x and CO from the combustion of natural gas.

c. The following test method(s) shall be employed to demonstrate compliance with the above emissions limitations:

Methods 1 through 4 from 40 CFR Part 60, Appendix A for velocity traverses, velocity and volumetric flow rates, gas analysis, and moisture content
Method 7E from 40 CFR Part 60, Appendix A for NO_x;
Method 10 from 40 CFR Part 60, Appendix A for CO; and
Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. The testing shall be conducted while the emissions unit is operating at or near its maximum capacity , unless otherwise specified or approved by the Ohio EPA, Southeast District Office.

e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Southeast District Office. 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 Ohio EPA, Southeast District Office refusal to accept the results of the emission test(s).

f. Personnel from the Ohio EPA, Southeast District Office 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.

g. 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 Ohio EPA, Southeast District Office 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 Ohio EPA, Southeast District Office.

2. Compliance with the short term emission limitations contained in this permit shall be determined in accordance with the following methods:

a. Emission Limitation:

NO_x emissions shall not exceed 0.20 lb/MMBTU from low sulfur, No. 2 fuel oil
NO_x emissions shall not exceed 0.05 lb/MMBTU from natural gas

Applicable Compliance Method:

Compliance with the allowable pounds of NO_x/MMBTU shall be demonstrated through the performance testing, as described in Section V.1, above. Until testing is completed, compliance shall be demonstrated by using the documented, manufacturer supplied, performance data for NO_x emissions of 0.20 lb/MmBtu for low sulfur, No. 2 fuel oil and 0.05 lb/MmBtu for natural gas.

b. Emission Limitation:

NO_x emissions shall not exceed 16.2 lbs/hr

Applicable Compliance Method:

Compliance shall be demonstrated by the testing requirements in Section V.1 above; and

for continued compliance, the emission factor (in lb/MmBtu), derived from the most recent performance test, shall be multiplied by the maximum hourly heat input capacity of the boiler (81.1 MmBtu/hr). Until testing is completed, the manufacture's documented emission factors, of 0.20 lb NO_x/MmBtu for low sulfur, No. 2 fuel oil, and 0.05 lb NO_x/MmBtu for natural gas, shall be multiplied by the maximum hourly heat input capacity of the boiler (81.1 MmBtu/hr) to demonstrate compliance.

c. Emission Limitation:

SO_2 emissions shall not exceed 0.051 lb/MmBtu from low sulfur, No. 2 fuel oil

Applicable Compliance Method:

When burning low sulfur, No. 2 fuel oil, compliance shall be demonstrated by the monitoring and record keeping requirements in this permit, and fuel testing requirements

and certification for each shipment of low sulfur, No. 2 fuel oil. The sulfur dioxide emission rate (in lbs/MmBtu) shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).

d. Emission Limitation:

SO_2 emissions shall not exceed 4.14 lbs/hr

Applicable Compliance Method:

When burning low sulfur, No. 2 fuel oil compliance shall be demonstrated by multiplying the sulfur dioxide emission rate, calculated in accordance with the formula specified in OAC rule 3745-18-04(F) (lbs/MmBtu), by the maximum hourly heat input capacity of the boiler (81.1 MmBtu/hr).

When burning natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (81,100 cu. ft/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-2 (7/98) for sulfur dioxide in natural gas combustion (0.6 lbs/mm cu. ft)

e. Emission Limitation:

CO emissions shall not exceed 0.082 lb/MmBtu from natural gas
CO emissions shall not exceed 0.04 lb/MmBtu from low sulfur, No. 2 fuel oil

Applicable Compliance Method:

When burning low sulfur, No. 2 fuel oil, compliance with the allowable pounds of CO/MmBtu shall be demonstrated through the performance testing, as described in Section V.1. Until testing is completed for the low sulfur, No. 2 fuel oil, compliance shall be demonstrated by using the documented, manufacturer supplied, performance data for CO emissions of 0.04 lb/MmBtu for low sulfur, No. 2 fuel oil.

When burning natural gas, compliance with the allowable pounds of CO/MmBtu shall be demonstrated through the performance testing, as described in Section V.1. Until testing is completed for natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (81,100 cu.ft/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-1 (7/98) for carbon monoxide in natural gas combustion (84 lbs/mm cu. ft) times the inverse of the maximum hourly heat input capacity of the boiler (1hr/81.1 MmBtu).

f. Emission Limitation:

CO emissions shall not exceed 6.7 lbs/hr

Applicable Compliance Method:

When burning low sulfur, No. 2 fuel oil, compliance shall be demonstrated by the testing requirements in Section V.1 above; and for continued compliance, the emission factor (in lb/MmBtu), derived from the most recent performance test, shall be multiplied by the maximum hourly heat input capacity of the boiler (81.1 MmBtu/hr for low sulfur fuel oil). Until testing is completed for the fuel oil, the manufacture's documented emission factor of 0.04 lb CO/MmBtu for low sulfur, No.2 fuel oil shall be multiplied by the maximum hourly heat input capacity of the boiler (81.1 MmBtu/hr for low sulfur fuel oil) to demonstrate compliance.

When burning natural gas, compliance shall be demonstrated by the testing requirements in Section V.1 above; and for continued compliance, the emission factor (in lb/MmBtu), derived from the most recent performance test, shall be multiplied by the maximum hourly heat input capacity of the boiler (81.1 MmBtu/hr for natural gas). Until testing is completed for the natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (81,100 cu.ft/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-1 (7/98) for carbon monoxide in natural gas combustion (84 lbs/mm cu. ft)

g. Emission Limitation:

VOC emissions shall not exceed 0.01 lb/MmBtu from low sulfur, No. 2 fuel oil

Applicable Compliance Method:

Compliance shall be demonstrated by using the documented, manufacturer supplied, performance data, for VOC emissions of 0.01 lb/MmBtu for fuel oil and 0.004 lb/MmBtu for natural gas. These emission factors were provided by the manufacturer based on stack testing of identical units.

h. Emission Limitation:

VOC emissions shall not exceed 0.8 lb/hr

Applicable Compliance Method:

Emissions Unit ID: **B007**

Compliance shall be demonstrated by multiplying the manufacture's documented emission factors, of 0.01 lb VOC/MmBtu for low sulfur, No. 2 fuel oil and 0.004 lb VOC/MmBtu for natural gas, by the maximum hourly heat input capacity of the boiler (81.1 MmBtu/hr).

i. Emission Limitation:

Particulate emissions shall not exceed 0.020 lb/MmBtu actual heat input

When burning low sulfur, No. 2 fuel oil, compliance shall be demonstrated by using the documented, manufacturer supplied, performance data for particulate emissions of 0.02 lb/MmBtu for low sulfur, No. 2 fuel oil.

When burning natural gas, compliance shall be demonstrated by using the documented, manufacturer supplied, performance data, of 0.001 lb particulate/MmBtu for particulate emissions in natural gas combustion. These emission factors were provided by the manufacturer based on stack testing of identical units.

j. Emission Limitation:

Particulate emissions shall not exceed 1.62 lbs PE/hour.

Applicable Compliance Method:

Compliance with this emission limitation when burning low sulfur, No. 2 fuel oil shall be demonstrated by multiplying the maximum hourly heat input capacity of the boiler (81.1 MmBtu/hr) by the manufacturer supplied, performance data emission factor of 0.02 lb particulate/MmBtu for No. 2 fuel oil combustion.

Compliance with this emission limitation when burning natural gas shall be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (81.1 MmBtu/hr) by the manufacturer supplied, performance data emission factor of 0.001 lb particulate/MmBtu for natural gas combustion.

k. Emission Limitation:

Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except for one 6-minute period per hour of not more than 27% opacity while operating on number 2 low sulfur fuel oil.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

l. Emission Limitation:

Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by rule while operating on natural gas.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

3. Compliance with the rolling 12-month emission limitations contained in this permit shall be determined in accordance with the following methods:

a. Emission Limitation:

The SO_2 emissions from B007 & B008 combined shall not exceed 14.5 tons per rolling 12-month period

Applicable Compliance Method:

Compliance with the rolling 12-month emission limit shall be calculated from the fuel usage records maintained in Sections A.III 4 of this permit, for emissions units B007 and B008, and by applying the following calculations to determine the emissions each month:

For fuel oil: (0.051 lb SO_2/MmBtu*) x (gal/month) x (140,000 Btu/gallon) x (ton/2000 lbs)

For natural gas: (0.6 lb SO_2/MM ft^3) x (ft^3/month) x (ton/2000 lbs)

Twelve month rolling emissions, from emissions units B007 and B008, shall be calculated by adding the current monthly emissions, from both units, to the previous 11 months' emission calculations. During the first 12 calendar months of operation, following the issuance of this permit, the monthly, cumulative emissions shall be added through each successive month.

* this number shall be adjusted with fuel testing results and the calculation required in OAC 3745-18-04(F)

b. Emission Limitation:

The NO_x emissions from B007 & B008 combined shall not exceed ~~70.8~~ ***77.1*** tons per rolling 12-month period

Applicable Compliance Method:

Compliance with the rolling 12-month emission limit shall be calculated from the fuel usage records maintained in Sections A.III 4 of this permit, for emissions units B007 and

B008, and by applying the following calculations to determine the emissions each month:

For fuel oil: (0.20 lb NO_x/MmBtu*) x (gal/month) x (140,000 Btu/gallon) x (ton/2000 lbs)

For natural gas: (0.05 lb NO_x/MmBtu*) x (ft^3/month) x (1,000 Btu/ft^3) x (ton/2000 lbs)

Twelve month rolling emissions, from emissions units B007 and B008, shall be calculated by adding the current monthly emissions, from both units, to the previous 11 months' emission calculations. During the first 12 calendar months of operation, following the issuance of this permit, the monthly, cumulative emissions shall be added through each successive month.

* this number shall be adjusted after the testing required in Section V.1.

c. Emission Limitation:

The CO emissions from B007 & B008 combined shall not exceed 59.7 tons per rolling 12-month period

Applicable Compliance Method:

Compliance with the rolling 12-month emission limit shall be calculated from the fuel usage records maintained in Sections A.III 4 of this permit, for emissions units B007 and B008, and by applying the following calculations to determine the emissions each month:

For fuel oil: (0.04 lb CO/MmBtu*) x (gal/month) x (140,000 Btu/gallon) x (ton/2000 lbs)

For natural gas: (84 lbs CO/MM ft^{3*}) x (ft^3/month) x (ton/2000 lbs)

Twelve month rolling emissions, from emissions units B007 and B008, shall be calculated by adding the current monthly emissions, from both units, to the previous 11 months' emission calculations. During the first 12 calendar months of operation, following the issuance of this permit, the monthly, cumulative emissions shall be added through each successive month.

* this number shall be adjusted after the testing required in Section V.1.

d. Emission Limitation:

The VOC emissions from B007 & B008 combined shall not exceed 4.5 tons per rolling 12-month period

Applicable Compliance Method:

Compliance with the rolling 12-month emission limit shall be calculated from the fuel usage records maintained in Sections A.III 4 of this permit, for emissions units B007 and B008, and by applying the following calculations to determine the emissions each month:

For fuel oil: (0.01 lb VOC/MmBtu) x (gal/month) x (140,000 Btu/gallon) x (ton/2000 lbs)

For natural gas: (0.004 lb VOC/MmBtu) x (ft^3/month) x (1,000 Btu/ft^3) x (ton/2000 lbs)

Twelve month rolling emissions, from emissions units B007 and B008, shall be calculated by adding the current monthly emissions, from both units, to the previous 11 months' emission calculations. During the first 12 calendar months of operation, following the issuance of this permit, the monthly, cumulative emissions shall be added through each successive month.

e. Emission Limitation:

The particulate emissions from B007 & B008 combined shall not exceed 6.0 tons per rolling 12-month period

Applicable Compliance Method:

Compliance with the rolling 12-month emission limit shall be calculated from the fuel usage records maintained in Sections A.III 4 of this permit, for emissions units B007 and B008, and by applying the following calculations to determine the emissions each month:

For fuel oil: (0.02 lb PE/MmBtu) x (gal/month) x (140,000 Btu/gallon) x (ton/2000 lbs)

For natural gas: (0.001 lb PE/MmBtu) x (ft^3/month) x (1,000 Btu/ft^3) x (ton/2000 lbs)

Twelve month rolling emissions, from emissions units B007 and B008, shall be calculated by adding the current monthly emissions, from both units, to the previous 11 months' emission calculations. During the first 12 calendar months of operation, following the issuance of this permit, the monthly, cumulative emissions shall be added through each

successive month.

VI. Miscellaneous Requirements

1. The terms and conditions contained in this PTI shall supersede the terms and conditions in PTI 06 06708 issued on March 25, 2003, pertaining to emission units B007, B008, T101, and T102.

Emissions Unit ID: **B007**

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
B007 - 81.1 MmBtu per hour Natural Gas and number 2, low sulfur fuel oil fired boiler. "Modified"	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Record keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Emissions Unit ID: **B008**

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	
B008 - 81.1 MmBtu per hour Natural Gas and number 2 low sulfur fuel oil fired boiler."Modified" (Terms in this permit supersede those identified in PTI # 06 06708 issued March 25, 2003)	OAC rule 3745-31-05(A)(3)	
		OAC rule 3745-17-10(B)(1)
		OAC rule 3745-17-07(A)
		OAC rule 3745-17-07(A)
		OAC rule 3745-35-07(B)

	Applicable Emissions Limitations/Control Measures	
40 CFR 60, Subpart Dc	Nitrogen oxide (NO_x) emissions shall not exceed: 0.20 lb/MmBtu actual heat input from low sulfur fuel oil; 0.05 lb/MmBtu actual heat input from natural gas; and 16.2 lbs/hr. Sulfur dioxide (SO_2) emissions shall not exceed: 0.051 lb/MmBtu actual heat input from low sulfur fuel oil; and 4.14 lbs/hr. Carbon monoxide (CO) emissions shall not exceed: 0.082 lb/MmBtu actual heat input from natural gas; 0.04 lb/MmBtu actual heat input from low sulfur fuel oil; and 6.7 lbs/hr. Volatile Organic Compounds (VOC) emissions shall not exceed 0.01 lb/MmBtu actual heat input from low sulfur fuel oil; and 0.8 lb/hr.	Subpart Dc. Particulate emissions shall not exceed 0.020 lb PM/MmBtu actual heat input. The visible particulate emission limitation specified in OAC rule 3745-17-07(A)(1) is less stringent than the visible emission limitation specified in 40 CFR, Part 60, Subpart Dc while operating on number 2 low sulfur fuel oil. Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by rule while operating on natural gas. B007 & B008 together shall not consume more than 4,000,000 gallons of number 2 low sulfur fuel oil, based upon a rolling, 12-month summation. Emissions from the use of both natural gas and low sulfur fuel oil, in emissions units B007 and B008 together, shall not exceed the following: Sulfur dioxide (SO_2) shall not exceed 14.5 tons per rolling 12-month period; Nitrogen oxide (NO_x) shall not exceed 77.1 tons per rolling 12-month period; Carbon monoxide (CO) shall not exceed 59.7 tons per rolling 12-month period; Volatile organic compounds (VOC) shall not exceed 4.5 tons per rolling 12-month period; and Particulate emissions (PE) shall not
OAC rule 3745-18-06(A)	Particulate emissions(PE) emissions shall not exceed 1.62 lbs/hr. The requirements of this rule also include compliance with the requirements of 3745-17-10(B)(1), OAC rule 3745-17-07(A), OAC 3745-31-05(D), and 40 CFR 60,	

exceed 6.0 tons per rolling 12-month period.

Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except for one 6-minute period per hour of not more than 27% opacity; and the SO_2 emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3) while operating on number 2 low sulfur fuel oil.

The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

1. The total maximum low sulfur, No. 2 fuel oil usage of emissions units B007 and B008 combined shall not exceed 4,000,000 gallons, based upon a rolling, 12-month summation.

To ensure enforceability during the first 12 calendar months following the startup of this emissions unit the permittee shall not exceed the monthly fuel oil usage restrictions specified in the following table:

Month	Cumulative fuel oil usage for B007 and B008

1	1,000,000
1-2	2,000,000
1-3	3,000,000
1-4 through 12	4,000,000

After the first 12 calendar months of operation following the issuance of this permit, compliance with the annual fuel oil usage limitation for B007 and B008 shall be based on a rolling, 12-month summation of fuel oil usage.

2. The sulfur content of fuel oil burned in this emissions unit shall not exceed 0.05 percent by weight. The quality of the oil burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in Section A.I above.

III. Monitoring and/or Record keeping Requirements

1. For each shipment of oil received for burning in this emissions unit, the permittee shall maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F)). A shipment may be comprised of multiple tank truck loads from the same supplier's batch, or may be represented by single or multiple pipeline deliveries from the same supplier's batch, and the quality of the oil for those loads or pipeline deliveries may be represented by a single batch analysis from the supplier.

The permittee shall perform or require the supplier to perform the analyses for sulfur content and heat content in accordance with 40 CFR Part 60, Appendix A, Method 19, or the appropriate ASTM methods (such as, ASTM methods D240 and D4294), or equivalent methods as approved by the Director.

The permittee shall maintain records of the oil burned in this emissions unit in accordance with either Alternative 1 or Alternative 2 described below.

a. Alternative 1:

For each shipment of oil received for burning in this emissions unit, the permittee shall collect or require the oil supplier to collect a representative grab sample of oil and maintain records of the total quantity of oil received, the permittee's or oil supplier's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F)). A shipment may be comprised of multiple tank truck loads from the same supplier's batch, and the quality of the oil for those loads may be represented by a single batch analysis from the

supplier.

b. Alternative 2:

The permittee shall collect a representative grab sample of oil that is burned in this emissions unit for each day when the emissions unit is in operation. If additional fuel oil is added to the tank serving this emissions unit on a day when the emissions unit is in operation, the permittee shall collect a sufficient number of grab samples to develop a composite sample representative of the fuel oil burned in this emissions unit. A representative grab sample of oil does not need to be collected on days when this emissions unit is only operated for the purpose of "test-firing." The permittee shall maintain records of the total quantity of oil burned each day, except for the purpose of test-firing, the permittee's analyses for sulfur content and heat content, and the calculated sulfur dioxide emission rate (in lbs/mmBtu). (The sulfur dioxide emission rate shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F)).

2. The permittee shall maintain daily records of the total quantity of the low sulfur, No. 2 fuel oil (in gallons) and/or natural gas (in millions of cubic feet) combusted in this emissions unit.

3. The permittee shall record and maintain records of the amount of fuel oil combusted each month, and the cumulative amount from preceding months as follows:

a. During the first 12 calendar months of operation, following issuance of this permit, the permittee shall record the cumulative gallons of fuel oil combusted for each calendar month; and

b. Beginning after the first 12 calendar months of operation, following issuance of this permit, the permittee shall record the rolling, 12-month summation of fuel oil combusted.

4. For any day during which the permittee burns a fuel other than natural gas and/or low sulfur (0.05%), No. 2 fuel oil, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.

IV. Reporting Requirements

1. The permittee shall submit quarterly deviation (excursion) reports that identify any record which shows that the sulfur content of the fuel oil exceeded 0.05 percent by weight, or identification of any day in which a fuel other than natural gas and/or the low sulfur (0.05%), No.2 fuel oil was burned. The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I, Section B.2.b of the General Term and Conditions.

2. The permittee shall submit quarterly deviation (excursion) reports which identify all exceedances of the rolling, 12-month fuel oil usage limitation, and for the first 12 calendar months of operation, all exceedances of the maximum allowable cumulative fuel oil usage levels specified in Section A.II.1. The quarterly deviation reports shall be submitted in accordance with the reporting requirements specified in Part I, Section A.1.c.ii of the General Term and Conditions.

3. This emissions unit is subject to the applicable provisions of Subpart Dc of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60. The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

a. Pursuant to 40 CFR Part 60.7, the permittee is hereby advised of the requirement to report the following at the appropriate times:

i. Construction date (no later than 30 days after such date);

ii. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);

iii. Actual start-up date (within 15 days after such date); and,

iv. 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

Ohio Environmental Protection Agency
Southeast District Office
Division of Air Pollution Control
2195 Front Street
Logan, Ohio 43138

b. Pursuant to 40 CFR Part 60.48c(d) & (e), the permittee shall submit quarterly reports to the Ohio EPA Southeast District Office, which includes the following information:

i. Calendar dates covered in the reporting period;

ii. The name of the oil supplier(s);

iii. A statement from the oil supplier that the oil complies with the specifications under the definition of distillate oil in Section 60.41c, or records of the fuel suppler(s) certification(s) of the sulfur content for each shipment of oil received during the reporting period; and

iv. A certified statement signed by the owner or operator of the affected facility that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period.

These quarterly reports shall be postmarked by the 30th day following the end of the reporting quarter of each year, and shall cover the fuel oil shipments received during the previous calendar quarters.

V. Testing Requirements

1. The permittee shall conduct, or have conducted, emission testing in accordance with the following requirements:

a. The emission testing shall be conducted within 60 days after achieving the maximum production rate at which the emissions unit will be operated, but not later than 180 days after initial startup of such emissions unit.

b. The emission testing shall be conducted to demonstrate compliance with the lb/MmBtu limitations for NO_x and CO from the combustion of low sulfur, No. 2 fuel oil, and for NO_x and CO from the combustion of natural gas.

c. The following test method(s) shall be employed to demonstrate compliance with the above emissions limitations:

Methods 1 through 4 from 40 CFR Part 60, Appendix A for velocity traverses, velocity and volumetric flow rates, gas analysis, and moisture content
Method 7E from 40 CFR Part 60, Appendix A for NO_x;
Method 10 from 40 CFR Part 60, Appendix A for CO; and
Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

d. The testing shall be conducted while the emissions unit is operating at or near its maximum capacity , unless otherwise specified or approved by the Ohio EPA, Southeast District Office.

e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Ohio EPA, Southeast District Office. 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 Ohio EPA, Southeast District Office refusal to accept the results of the emission test(s).

f. Personnel from the Ohio EPA, Southeast District Office 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.

g. 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 Ohio EPA, Southeast District Office 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 Ohio EPA, Southeast District Office.

2. Compliance with the short term emission limitations contained in this permit shall be determined in accordance with the following methods:

a. Emission Limitation:

NO_x emissions shall not exceed 0.20 lb/MmBtu from low sulfur, No. 2 fuel oil
NO_x emissions shall not exceed 0.05 lb/MmBtu from natural gas

Applicable Compliance Method:

Compliance with the allowable pounds of NO_x/MmBtu shall be demonstrated through the performance testing, as described in Section V.1, above. Until testing is completed, compliance shall be demonstrated by using the documented, manufacturer supplied, performance data for NO_x emissions of 0.20 lb/MmBtu for low sulfur, No. 2 fuel oil and 0.05 lb/MmBtu for natural gas.

b. Emission Limitation:

NO_x emissions shall not exceed 16.2 lbs/hr

Applicable Compliance Method:

Compliance shall be demonstrated by the testing requirements in Section V.1 above; and for continued compliance, the emission factor (in lb/MmBtu), derived from the most recent performance test, shall be multiplied by the maximum hourly heat input capacity of the boiler (81.1 MmBtu/hr). Until testing is completed, the manufacture's documented emission factors, of 0.20 lb NO_x/MmBtu for low sulfur, No. 2 fuel oil, and 0.035 lb NO_x/MmBtu for natural gas, shall be multiplied by the maximum hourly heat input

capacity of the boiler (81.1 MmBtu/hr) to demonstrate compliance.

c. Emission Limitation:

SO_2 emissions shall not exceed 0.051 lb/MmBtu from low sulfur, No. 2 fuel oil

Applicable Compliance Method:

When burning low sulfur, No. 2 fuel oil, compliance shall be demonstrated by the monitoring and record keeping requirements in this permit, and fuel testing requirements and certification for each shipment of low sulfur, No. 2 fuel oil. The sulfur dioxide emission rate (in lbs/MmBtu) shall be calculated in accordance with the formula specified in OAC rule 3745-18-04(F).

d. Emission Limitation:

SO_2 emissions shall not exceed 4.14 lb/hr

Applicable Compliance Method:

When burning low sulfur, No. 2 fuel oil compliance shall be demonstrated by multiplying the sulfur dioxide emission rate, calculated in accordance with the formula specified in OAC rule 3745-18-04(F) (lbs/MmBtu), by the maximum hourly heat input capacity of the boiler (81.1 MmBtu/hr).

When burning natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (81,100 cu.ft/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-2 (7/98) for sulfur dioxide in natural gas combustion (0.6 lbs/mm cu. ft)

e. Emission Limitation:

CO emissions shall not exceed 0.082 lb/MmBtu from natural gas
CO emissions shall not exceed 0.04 lb/MmBtu from low sulfur, No. 2 fuel oil

Applicable Compliance Method:

When burning low sulfur, No. 2 fuel oil, compliance with the allowable pounds of CO/MmBtu shall be demonstrated through the performance testing, as described in Section V.1. Until testing is completed for the low sulfur, No. 2 fuel oil, compliance shall be demonstrated by using the documented, manufacturer supplied, performance data for

CO emissions of 0.04 lb/MmBtu for low sulfur, No. 2 fuel oil.

When burning natural gas, compliance with the allowable pounds of CO/MmBtu shall be demonstrated through the performance testing, as described in Section V.1. Until testing is completed for natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (81,100 cu.ft/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-1 (7/98) for carbon monoxide in natural gas combustion (84 lbs/mm cu. ft) times the inverse of the maximum hourly heat input capacity of the boiler (1hr/81.1 MmBtu).

f. Emission Limitation:

CO emissions shall not exceed 6.7 lbs/hr

Applicable Compliance Method:

When burning low sulfur, No. 2 fuel oil, compliance shall be demonstrated by the testing requirements in Section V.1 above; and for continued compliance, the emission factor (in lb/MmBtu), derived from the most recent performance test, shall be multiplied by the maximum hourly heat input capacity of the boiler (81.1 MmBtu/hr for low sulfur fuel oil). Until testing is completed for the fuel oil, the manufacture's documented emission factor of 0.04 lb CO/MmBtu for low sulfur, No.2 fuel oil shall be multiplied by the maximum hourly heat input capacity of the boiler (81.1 MmBtu/hr for low sulfur fuel oil) to demonstrate compliance.

When burning natural gas, compliance shall be demonstrated by the testing requirements in Section V.1 above; and for continued compliance, the emission factor (in lb/MmBtu), derived from the most recent performance test, shall be multiplied by the maximum hourly heat input capacity of the boiler (81.1 MmBtu/hr for natural gas). Until testing is completed for the natural gas, compliance shall be based upon multiplying the maximum hourly gas burning capacity of the emissions unit (81,100 cu.ft/hr) by the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", Table 1.4-1 (7/98) for carbon monoxide in natural gas combustion (84 lbs/mm cu. ft).

g. Emission Limitation:

VOC emissions shall not exceed 0.01 lb/MmBtu from low sulfur, No. 2 fuel oil

Applicable Compliance Method:

Compliance shall be demonstrated by using the documented, manufacturer supplied, performance data, for VOC emissions of 0.01 lb/MmBtu for fuel oil and 0.004 lb/MmBtu for natural gas. These emission factors were provided by the manufacturer based on stack testing of identical units.

h. Emission Limitation:

VOC emissions shall not exceed 0.8 lb/hr

Applicable Compliance Method:

Compliance shall be demonstrated by multiplying the manufacture's documented emission factors, of 0.01 lb VOC/MmBtu for low sulfur, No. 2 fuel oil and 0.004 lb VOC/MmBtu for natural gas, by the maximum hourly heat input capacity of the boiler (81.1 MmBtu/hr).

i. Emission Limitation:

Particulate emissions shall not exceed 0.020 lb/MmBtu actual heat input

When burning low sulfur, No. 2 fuel oil, compliance shall be demonstrated by using the documented, manufacturer supplied, performance data for particulate emissions of 0.02 lb/MmBtu for low sulfur, No. 2 fuel oil.

When burning natural gas, compliance shall be demonstrated by using the documented, manufacturer supplied, performance data, of 0.001 lb particulate/MmBtu for particulate emissions in natural gas combustion. These emission factors were provided by the manufacturer based on stack testing of identical units.

j. Emission Limitation:

Particulate emissions shall not exceed 1.62 lbs PE/hour.

Applicable Compliance Method:

Compliance with this emission limitation when burning low sulfur, No. 2 fuel oil shall be demonstrated by multiplying the maximum hourly heat input capacity of the boiler (81.1 MmBtu/hr) by the manufacturer supplied, performance data emission factor of 0.02 lb particulate/MmBtu for No. 2 fuel oil combustion.

Compliance with this emission limitation when burning natural gas shall be demonstrated by multiplying the maximum hourly gas burning capacity of the emissions unit (81.1 MmBtu/hr) by the manufacturer supplied, performance data emission factor of 0.001 lb particulate/MmBtu for natural gas combustion.

k. Emission Limitation:

Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except for one 6-minute period per hour of not more than 27% opacity while operating on number 2 low sulfur fuel oil.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

l. Emission Limitation:

Visible particulate emissions shall not exceed 20% opacity, as a 6-minute average, except as provided by rule while operating on natural gas.

Applicable Compliance Method:

Compliance shall be determined through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 and the procedures specified in OAC rule 3745-17-03(B)(1).

3. Compliance with the rolling 12-month emission limitations contained in this permit shall be determined in accordance with the following methods:

a. Emission Limitation:

The SO_2 emissions from B007 & B008 combined shall not exceed 14.5 tons per rolling 12-month period

Applicable Compliance Method:

Compliance with the rolling 12-month emission limit shall be calculated from the fuel usage records maintained in Sections A.III 4 of this permit, for emissions units B007 and B008, and by applying the following calculations to determine the emissions each month:

For fuel oil: (0.051 lb SO_2/MmBtu*) x (gal/month) x (140,000 Btu/gallon) x (ton/2000 lbs)

For natural gas: (0.6 lb SO_2/MM ft^3) x (ft^3/month) x (ton/2000 lbs)

Twelve month rolling emissions, from emissions units B007 and B008, shall be calculated by adding the current monthly emissions, from both units, to the previous 11 months' emission calculations. During the first 12 calendar months of operation, following the issuance of this permit, the monthly, cumulative emissions shall be added through each

successive month.

* this number shall be adjusted with fuel testing results and the calculation required in OAC 3745-18-04(F)

b. Emission Limitation:

The NO_x emissions from B007 & B008 combined shall not exceed ~~70.8~~ ***77.1*** tons per rolling 12-month period

Applicable Compliance Method:

Compliance with the rolling 12-month emission limit shall be calculated from the fuel usage records maintained in Sections A.III 4 of this permit, for emissions units B007 and

B008, and by applying the following calculations to determine the emissions each month:

For fuel oil: (0.20 lb NO_x/MmBtu*) x (gal/month) x (140,000 Btu/gallon) x (ton/2000 lbs)

For natural gas: (0.05 lb NO_x/MmBtu*) x (ft^3/month) x (1,000 Btu/ft^3) x (ton/2000 lbs)

Twelve month rolling emissions, from emissions units B007 and B008, shall be calculated by adding the current monthly emissions, from both units, to the previous 11 months' emission calculations. During the first 12 calendar months of operation, following the issuance of this permit, the monthly, cumulative emissions shall be added through each successive month.

* this number shall be adjusted after the testing required in Section V.1.

c. Emission Limitation:

The CO emissions from B007 & B008 combined shall not exceed 59.7 tons per rolling 12-month period

Applicable Compliance Method:

Compliance with the rolling 12-month emission limit shall be calculated from the fuel usage records maintained in Sections A.III 4 of this permit, for emissions units B007 and B008, and by applying the following calculations to determine the emissions each month:

For fuel oil: (0.04 lb CO/MmBtu*) x (gal/month) x (140,000 Btu/gallon) x (ton/2000 lbs)

For natural gas: (84 lbs CO/MM ft^{3*}) x (ft^3/month) x (ton/2000 lbs)

Twelve month rolling emissions, from emissions units B007 and B008, shall be calculated by adding the current monthly emissions, from both units, to the previous 11 months'

emission calculations. During the first 12 calendar months of operation,

following the issuance of this permit, the monthly, cumulative emissions shall be added through each successive month.

* this number shall be adjusted after the testing required in Section V.1.

d. Emission Limitation:

The VOC emissions from B007 & B008 combined shall not exceed 4.5 tons per rolling 12-month period

Applicable Compliance Method:

Compliance with the rolling 12-month emission limit shall be calculated from the fuel usage records maintained in Sections A.III 4 of this permit, for emissions units B007 and B008, and by applying the following calculations to determine the emissions each month:

For fuel oil: (0.01 lb VOC/MmBtu) x (gal/month) x (140,000 Btu/gallon) x (ton/2000 lbs)

For natural gas: (0.004 lb VOC/MmBtu) x (ft^3/month) x (1,000 Btu/ft^3) x (ton/2000 lbs)

Twelve month rolling emissions, from emissions units B007 and B008, shall be calculated by adding the current monthly emissions, from both units, to the previous 11 months' emission calculations. During the first 12 calendar months of operation, following the issuance of this permit, the monthly, cumulative emissions shall be added through each successive month.

e. Emission Limitation:

The particulate emissions from B007 & B008 combined shall not exceed 6.0 tons per rolling 12-month period

Applicable Compliance Method:

Compliance with the rolling 12-month emission limit shall be calculated from the fuel usage records maintained in Sections A.III 4 of this permit, for emissions units B007 and B008, and by applying the following calculations to determine the emissions each month:

For fuel oil: (0.02 lb PE/MmBtu) x (gal/month) x (140,000 Btu/gallon) x (ton/2000 lbs)

For natural gas: (0.001 lb PE/MmBtu) x (ft^3/month) x (1,000 Btu/ft^3) x (ton/2000 lbs)

Twelve month rolling emissions, from emissions units B007 and B008, shall be calculated by adding the current monthly emissions, from both units, to the previous 11 months' emission calculations. During the first 12 calendar months of operation, following the issuance of this permit, the monthly, cumulative emissions shall be added through each successive month.

VI. Miscellaneous Requirements

1. The terms and conditions contained in this PTI shall supersede the terms and conditions in PTI 06 06708 issued on March 25, 2003, pertaining to emission units B007, B008, T101, and T102.

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
B008 - 81.1 MmBtu per hour Natural Gas and number 2 low sulfur fuel oil fired boiler."Modified"	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Record keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
T101 - 40000 gallon No. 2 Low Sulfur, Number 2 Fuel Oil Storage Tank with submerged fill."Modified"	OAC rule 3745-31-05(A)(3)	Emissions of volatile organic compounds (VOC) shall not exceed 0.03 TPY. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(L) and 40 CFR Part 60 Subpart Kb. See A.I.2.a.
	OAC rule 3745-21-09(L)	See A.II and A.III below.
	40 CFR Subpart Kb	See A.III and A.IV below.

2. Additional Terms and Conditions

2.a The maximum true vapor pressure of the low sulfur, number 2 fuel oil, as stored, shall be no greater than 0.754 pound per square inch absolute (psia).

II. Operational Restrictions

1. All openings, except stub drains, shall be equipped with a cover, seal or lid which is to be in a closed position at all times except when in actual use for tank gauging or sampling.

2. The tank shall be equipped with a permanent submerged fill pipe, to be used whenever fuel oil is added to the tank.

III. Monitoring and/or Record keeping Requirements

1. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. These records shall be kept for the life of this emission source.

2. The permittee shall maintain records of the following information:

a. The amount (gallons) of No. 2, low sulfur fuel oil added with each fill of the tank; and

b. At the end of each year, the total annual throughput of No. 2, low sulfur fuel oil, in gallons/yr.

3. Since only No.2 fuel oil shall be stored in this tank, the vapor pressure could never exceed 0.754 psi, therefore records of the vapor pressure shall not be required, if the facility documents the normal vapor pressure of the oil at the highest temperature that may be attained within the tank.

IV. Reporting Requirements

1. This emissions unit is subject to the applicable provisions of Subpart Kb of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60. The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

a. Pursuant to 40 CFR Part 60.7, the permittee is hereby advised of the requirement to report the following at the appropriate times:

i. Construction date (no later than 30 days after such date);

ii. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);

iii. Actual start-up date (within 15 days after such date); and

iv. If required, date of performance testing (at least 30 days prior to testing).

b. The permittee shall notify the Ohio EPA of any material, added to this tank, that has a vapor pressure greater than 0.754 psia. This notification shall be made within 30 days of the fill.

c. Reports are to be sent to:

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

and

Ohio Environmental Protection Agency
Southeast District Office
Division of Air Pollution Control
2195 Front Street
Logan, Ohio 43138

2. The permittee shall notify the Ohio Environmental Protection Agency Southeast District Office of any material other than low sulfur, number two fuel oil being added to the tank. This notification shall be made within 30 days of the fill.

V. Testing Requirements

1. Emissions Limitation:

VOC emissions shall not exceed 0.03 ton/yr

Compliance Method:

Compliance shall be determined by a one time calculation using the TANKS Program 4.0 or other method acceptable to the Ohio EPA Southeast District Office.

VI. Miscellaneous Requirements

1. The terms and conditions contained in this PTI shall supersede the terms and conditions in PTI 06 06708 issued on October 29, 2002, pertaining to emission units B007, B008, T101, and T102.

Emissions Unit ID: **T101**

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
T101 - 40000 gallon No. 2 Low Sulfur, Number 2 Fuel Oil Storage Tank with submerged fill."Modified"	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Record keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
T102 - 40000 gallon No. 2 Low Sulfur, Number 2 Fuel Oil Storage Tank with submerged fill."Modified"	OAC rule 3745-31-05(A)(3)	Emissions of volatile organic compounds (VOC) shall not exceed 0.03 TPY. The requirements of this rule also include compliance with the requirements of OAC rule 3745-21-09(L) and 40 CFR Part 60 Subpart Kb. See A.I.2.a.
	OAC rule 3745-21-09(L)	See A.II and A.III below.
	40 CFR Subpart Kb	See A.III and A.IV below.

2. Additional Terms and Conditions

2.a The maximum true vapor pressure of the low sulfur, number 2 fuel oil, as stored, shall be no greater than 0.754 pound per square inch absolute (psia).

II. Operational Restrictions

1. All openings, except stub drains, shall be equipped with a cover, seal or lid which is to be in a closed position at all times except when in actual use for tank gauging or sampling.

2. The tank shall be equipped with a permanent submerged fill pipe, to be used whenever fuel oil is added to the tank

III. Monitoring and/or Record keeping Requirements

1. The permittee shall keep readily accessible records showing the dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. These records shall be kept for the life of this emission source.

2. The permittee shall maintain records of the following information:

a. The amount (gallons) of No. 2, low sulfur fuel oil added with each fill of the tank; and

b. At the end of each year, the total annual throughput of No. 2, low sulfur fuel oil, in gallons/yr.

3. Since only No.2 fuel oil shall be stored in this tank, the vapor pressure could never exceed 0.754 psi, therefore records of the vapor pressure shall not be required, if the facility documents the normal vapor pressure of the oil at the highest temperature that may be attained within the tank.

IV. Reporting Requirements

1. This emissions unit is subject to the applicable provisions of Subpart Kb of the New Source Performance Standards (NSPS) as promulgated by the United States Environmental Protection Agency, 40 CFR Part 60. The application and enforcement of these standards are delegated to the Ohio EPA. The requirements of 40 CFR Part 60 are also federally enforceable.

a. Pursuant to 40 CFR Part 60.7, the permittee is hereby advised of the requirement to report the following at the appropriate times:

i. Construction date (no later than 30 days after such date);

ii. Anticipated start-up date (not more than 60 days or less than 30 days prior to such date);

iii. Actual start-up date (within 15 days after such date); and

iv. If required, date of performance testing (at least 30 days prior to testing).

b. The permittee shall notify the Ohio EPA of any material, added to this tank, that has a vapor pressure greater than 0.754 psia. This notification shall be made within 30 days of the fill.

c. Reports are to be sent to:

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

and

Ohio Environmental Protection Agency
Southeast District Office
Division of Air Pollution Control
2195 Front Street
Logan, Ohio 43138

2. The permittee shall notify the Ohio Environmental Protection Agency Southeast District Office of any material other than low sulfur, number two fuel oil being added to the tank. This notification shall be made within 30 days of the fill.

V. Testing Requirements

1. Emissions Limitation:

VOC emissions shall not exceed 0.03 ton/yr

Compliance Method:

Compliance shall be determined by a one time calculation using the TANKS Program 4.0 or other method acceptable to the Ohio EPA Southeast District Office.

VI. Miscellaneous Requirements

1. The terms and conditions contained in this PTI shall supersede the terms and conditions in PTI 06 06708 issued on October 29, 2002, pertaining to emission units B007, B008, T101, and T102.

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.

Operations, Property, and/or Equipment	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
T102 - 40000 gallon No. 2 Fuel Oil Storage Tank with submerged fill."Modified"	None	None

2. Additional Terms and Conditions

2.a None

II. Operational Restrictions

None

III. Monitoring and/or Record keeping Requirements

None

IV. Reporting Requirements

None

V. Testing Requirements

None

VI. Miscellaneous Requirements

None

Pollutant	Tons Per Year

Portsmouth Gaseous Diffusion Plant/Becht **Facility ID: 0666000050**
PTI Application: 06 06708
Issued

Emissions Unit ID: **T102**

ADMINISTRATIVE MODIFICATION

inter-office communication

to:	DAPC, Air Quality Modeling and Planning
from:	Zachary Hamlin DAPC/SEDO
subject:	Administrative Modification of Permit To Install
date:	May 14, 2003

Choose one:
Initiated by: ☒ Permittee ☐ DO/laa

☐ This modification is the result of an appeal to the Environmental Review Appeals Commission

Please fill out the following:

SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant	Tons Per Year
NO_x	~~70.8~~ ***77.1***
SO_2	14.5
CO	59.7
VOC	~~4.5~~ 4.6
PM	6.0

Please provide a fairly detailed description of the basis for the modification and how the permit is being modified:
Portsmouth Gaseous Diffusion Plant/Bechtl submitted a request for a Administrative modification to PTI # 06 06708 (issued final on March 25, 2003) on May 5, 2003. The requested modification is to change the original estimated vender provided NOx emission factor of 0.035lb/MMBTU to 0.05 lb/MMBTU based on performance testing conducted on the boilers. The lb/hr NOx allowable will not change however the tons per rolling 12 month period limit for NOx, will change from 70.8 to 77.1. The summary tons per year limit for VOC's will change from 4.5 to 4.6 to correct an error in the previous PTI, which did not include the VOC emissions from the storage tanks in the summary. PTI # 06 06708 was originally issued as a DRAFT and therefore the Administrative modification PTI will also need to be issued as a draft. This modification is not associated with an Environmental Review Appeals Commission appeal.

Additional comments:

Portsmouth Gaseous Diffusion Plant/Becht **Facility ID: 0666000050**
PTI Application: 06-06708
Issued

Emissions Unit ID: **T102**

Street Address: Mailing Address: Lazarus Gov. Center
Lazarus Gov. Center **TELE:** (614) 644-3020 **FAX:** (614) 644-2329

State of Ohio Environmental Protection Agency

RE: FINAL PERMIT TO INSTALL **CERTIFIED MAIL**
MODIFICATION
PIKE COUNTY
Application No: 06-06708

DATE: 3/25/2003

Portsmouth Gaseous Diffusion Plant/Becht
Gilbert Drexel
PO Box 900
Piketon, OH 45661

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 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. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,
Michael W. Ahern
Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

CC: **USEPA** **SEDO**

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 06-06708

Application Number:	06-06708
APS Premise Number:	0666000050
Permit Fee:	**$550**
Name of Facility:	Portsmouth Gaseous Diffusion Plant/Becht
Person to Contact:	Gilbert Drexel
Address:	PO Box 900 Piketon, OH 45661

Location of proposed air contaminant source(s) [emissions unit(s)]:
3930 US Rt 23 S
Piketon, Ohio

Description of proposed emissions unit(s):
Administrative modification to PTI ~~no~~ No. 06 06708 issued ~~October 29 2002~~ March 25, 2003 Boilers no 1 and 2 and two fuel oil storage tanks.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification 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 source(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 included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

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 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:

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 record keeping of federally enforceable 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 record keeping 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 appropriate Ohio EPA District Office or local air agency. 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. See B.9 below if no deviations occurred during the quarter.

iii. Written reports, which identify any deviations from the federally enforceable monitoring, record keeping, 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. 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 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).

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 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 ORC section 3704.08.

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.

10. Permit To Operate Application

a. If 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).

b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

11. 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.

12. 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.

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

The permittee shall submit required reports in the following manner:

a. Reports of any required monitoring and/or record keeping of state-only enforceable 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 state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping 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. 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.

4. 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.

5. 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 cannot meet the requirements of this permit 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 cannot meet the requirements of this permit or cannot meet applicable standards.

6. 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.

7. Applicability

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

8. 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 source.

9. 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

Emissions Unit ID: **T102**

Pollutant	Tons Per Year

Portsmouth Gaseous Diffusion Plant/Becht **Facility ID: 0666000050**
PTI Application: 06 06708
Issued

Emissions Unit ID: **T102**

ADMINISTRATIVE MODIFICATION

inter-office communication

to:	DAPC, Air Quality Modeling and Planning
from:	Zachary Hamlin DAPC/SEDO
subject:	Administrative Modification of Permit To Install
date:	May 14, 2003

Choose one:
Initiated by: ☒ Permittee ☐ DO/laa

☐ This modification is the result of an appeal to the Environmental Review Appeals Commission

Please fill out the following:

SUMMARY (for informational purposes only)
TOTAL PERMIT TO INSTALL ALLOWABLE EMISSIONS

Pollutant	Tons Per Year
NO_x	~~70.8~~ ***77.1***
SO_2	14.5
CO	59.7
VOC	~~4.5~~ 4.6
PM	6.0

Please provide a fairly detailed description of the basis for the modification and how the permit is being modified:
Portsmouth Gaseous Diffusion Plant/Bechtl submitted a request for a Administrative modification to PTI # 06 06708 (issued final on March 25, 2003) on May 5, 2003. The requested modification is to change the original estimated vender provided NOx emission factor of 0.035lb/MMBTU to 0.05 lb/MMBTU based on performance testing conducted on the boilers. The lb/hr NOx allowable will not change however the tons per rolling 12 month period limit for NOx, will change from 70.8 to 77.1. The summary tons per year limit for VOC's will change from 4.5 to 4.6 to correct an error in the previous PTI, which did not include the VOC emissions from the storage tanks in the summary. PTI # 06 06708 was originally issued as a DRAFT and therefore the Administrative modification PTI will also need to be issued as a draft. This modification is not associated with an Environmental Review Appeals Commission appeal.

Additional comments:

Portsmouth Gaseous Diffusion Plant/Becht **Facility ID: 0666000050**
PTI Application: 06-06708
Issued

Emissions Unit ID: **T102**

Street Address: Mailing Address: Lazarus Gov. Center
Lazarus Gov. Center **TELE:** (614) 644-3020 **FAX:** (614) 644-2329

State of Ohio Environmental Protection Agency

RE: FINAL PERMIT TO INSTALL **CERTIFIED MAIL**
MODIFICATION
PIKE COUNTY
Application No: 06-06708

DATE: 3/25/2003

Portsmouth Gaseous Diffusion Plant/Becht
Gilbert Drexel
PO Box 900
Piketon, OH 45661

Enclosed Please find a modification to the Ohio EPA Permit To Install referenced above which will modify the terms and conditions.

You are hereby notified that this action by the Director is final and may be appealed to the Ohio Environmental Review Appeals Commission pursuant to Chapter 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. It must be filed within thirty (30) days after the notice of the Directors action. A copy of the appeal must be served on the Director of the Ohio Environmental Protection Agency within three (3) days of filing with the Commission. An appeal may be filed with the Environmental Review Appeals Commission at the following address:

Environmental Review Appeals Commission
236 East Town Street, Room 300
Columbus, Ohio 43215

Very truly yours,
Michael W. Ahern
Michael W. Ahern, Supervisor
Field Operations and Permit Section
Division of Air Pollution Control

CC: **USEPA** **SEDO**

FINAL ADMINISTRATIVE MODIFICATION OF PERMIT TO INSTALL 06-06708

Application Number:	06-06708
APS Premise Number:	0666000050
Permit Fee:	**$550**
Name of Facility:	Portsmouth Gaseous Diffusion Plant/Becht
Person to Contact:	Gilbert Drexel
Address:	PO Box 900 Piketon, OH 45661

Location of proposed air contaminant source(s) [emissions unit(s)]:
3930 US Rt 23 S
Piketon, Ohio

Description of proposed emissions unit(s):
Administrative modification to PTI ~~no~~ No. 06 06708 issued ~~October 29 2002~~ March 25, 2003 Boilers no 1 and 2 and two fuel oil storage tanks.

The above named entity is hereby granted a modification to the permit to install described above pursuant to Chapter 3745-31 of the Ohio Administrative Code. Issuance of this modification 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 source(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 included in the application, the above described source(s) of pollutants will be granted the necessary operating permits.

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 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:

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 record keeping of federally enforceable 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 record keeping 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 appropriate Ohio EPA District Office or local air agency. 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. See B.9 below if no deviations occurred during the quarter.

iii. Written reports, which identify any deviations from the federally enforceable monitoring, record keeping, 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. 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 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).

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 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 ORC section 3704.08.

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.

10. Permit To Operate Application

a. If 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).

b. If the permittee is required to apply for permit(s) pursuant to OAC Chapter 3745-35, the source(s) identified in this Permit To Install is (are) permitted to operate for a period of up to one year from the date the source(s) commenced operation. Permission to operate is granted only if the facility complies with all requirements contained in this permit and all applicable air pollution laws, regulations, and policies. Pursuant to OAC Chapter 3745-35, the permittee shall submit a complete operating permit application within ninety (90) days after commencing operation of the source(s) covered by this permit.

11. 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.

12. 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.

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

The permittee shall submit required reports in the following manner:

a. Reports of any required monitoring and/or record keeping of state-only enforceable 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 state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping 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. 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.

4. 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.

5. 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 cannot meet the requirements of this permit 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 cannot meet the requirements of this permit or cannot meet applicable standards.

6. 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.

7. Applicability

This Permit To Install is applicable only to the emissions unit(s) identified in the Permit To Install. Separate Permit To Install for the installation or modification of any other emissions unit(s) are required for any emissions unit for which a Permit To Install is required.

8. 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 source.

9. 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