



John R. Kasich, Governor
 Mary Taylor, Lt. Governor
 Craig W. Butler, Director

1/19/2016

Gregory Goslow
 American Centrifuge Operating, LLC
 3930 U.S. Route 23 South
 P.O. Box 628, MS 8220
 Piketon, OH 45661-0628

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL
 Facility ID: 0666000000
 Permit Number: P0116605
 Permit Type: Administrative Modification
 County: Pike

Certified Mail

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

Dear Permit Holder:

Enclosed please find a final Ohio Environmental Protection Agency (EPA) Air Pollution Permit-to-Install (PTI) which will allow you to install or modify the described emissions unit(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, we urge you to read it carefully. Because this permit contains conditions and restrictions, please read it very carefully. In this letter you will find the information on the following topics:

- **How to appeal this permit**
- **How to save money, reduce pollution and reduce energy consumption**
- **How to give us feedback on your permitting experience**
- **How to get an electronic copy of your permit**

How to appeal this permit

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

Environmental Review Appeals Commission
 77 South High Street, 17th Floor
 Columbus, OH 43215

How to save money, reduce pollution and reduce energy consumption

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: www.ohioairquality.org/clean_air

How to give us feedback on your permitting experience

Please complete a survey at www.epa.ohio.gov/survey.aspx and give us feedback on your permitting experience. We value your opinion.

How to get an electronic copy of your permit

This permit can be accessed electronically via the eBusiness Center: Air Services in Microsoft Word format or in Adobe PDF on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Search for Permits" link under the Permitting topic on the Programs tab.

If you have any questions, please contact Ohio EPA DAPC, Southeast District Office at (740)385-8501 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



Michael E. Hopkins, P.E.
Assistant Chief, Permitting Section, DAPC

Cc: U.S. EPA
Ohio EPA-SEDO; Kentucky; West Virginia



FINAL

**Division of Air Pollution Control
Permit-to-Install
for
American Centrifuge Operating, LLC**

Facility ID:	0666000000
Permit Number:	P0116605
Permit Type:	Administrative Modification
Issued:	1/19/2016
Effective:	1/19/2016



Division of Air Pollution Control
Permit-to-Install
for
American Centrifuge Operating, LLC

Table of Contents

Authorization	1
A. Standard Terms and Conditions	3
1. Federally Enforceable Standard Terms and Conditions	4
2. Severability Clause	4
3. General Requirements	4
4. Monitoring and Related Record Keeping and Reporting Requirements.....	5
5. Scheduled Maintenance/Malfunction Reporting	6
6. Compliance Requirements	6
7. Best Available Technology	7
8. Air Pollution Nuisance	8
9. Reporting Requirements	8
10. Applicability	8
11. Construction of New Sources(s) and Authorization to Install	8
12. Permit-To-Operate Application	9
13. Construction Compliance Certification	10
14. Public Disclosure	10
15. Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations	10
16. Fees.....	10
17. Permit Transfers	10
18. Risk Management Plans	10
19. Title IV Provisions	10
B. Facility-Wide Terms and Conditions.....	11
C. Emissions Unit Terms and Conditions	13
1. B043, X-6002 Boiler No. 3.....	14



Final Permit-to-Install
American Centrifuge Operating, LLC
Permit Number: P0116605
Facility ID: 0666000000
Effective Date: 1/19/2016

Authorization

Facility ID: 0666000000
Facility Description: Uranium Enrichment Plant.
Application Number(s): M0002713
Permit Number: P0116605
Permit Description: Administrative modification to increase the NOx allowable when burning natural gas due to the results of stack testing a similar source, and to establish BAT limits for several pollutants previously omitted.
Permit Type: Administrative Modification
Permit Fee: \$0.00
Issue Date: 1/19/2016
Effective Date: 1/19/2016

This document constitutes issuance to:

American Centrifuge Operating, LLC
3930 U.S. Route 23 South
P.O. Box 628
Piketon, OH 45661-0628

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

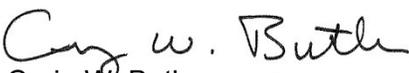
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Ohio EPA DAPC, Southeast District Office
2195 Front Street
Logan, OH 43138
(740)385-8501

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency


Craig W. Butler
Director



Final Permit-to-Install
American Centrifuge Operating, LLC
Permit Number: P0116605
Facility ID: 0666000000
Effective Date: 1/19/2016

Authorization (continued)

Permit Number: P0116605

Permit Description: Administrative modification to increase the NOx allowable when burning natural gas due to the results of stack testing a similar source, and to establish BAT limits for several pollutants previously omitted.

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

Emissions Unit ID:	B043
Company Equipment ID:	X-6002 Boiler No. 3
Superseded Permit Number:	06-08290
General Permit Category and Type:	Not Applicable



Final Permit-to-Install
American Centrifuge Operating, LLC
Permit Number: P0116605
Facility ID: 0666000000
Effective Date: 1/19/2016

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

- a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:
 - (1) Standard Term and Condition A.2.a), Severability Clause
 - (2) Standard Term and Condition A.3.c) through A. 3.e) General Requirements
 - (3) Standard Term and Condition A.6.c) and A. 6.d), Compliance Requirements
 - (4) Standard Term and Condition A.9., Reporting Requirements
 - (5) Standard Term and Condition A.10., Applicability
 - (6) Standard Term and Condition A.11.b) through A.11.e), Construction of New Source(s) and Authorization to Install
 - (7) Standard Term and Condition A.14., Public Disclosure
 - (8) Standard Term and Condition A.15., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations
 - (9) Standard Term and Condition A.16., Fees
 - (10) Standard Term and Condition A.17., Permit Transfers

2. Severability Clause

- a) A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.
- b) All terms and conditions designated in parts B and C of this permit are federally enforceable as a practical matter, if they are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. Terms and conditions in parts B and C of this permit shall not be federally enforceable and shall be enforceable under State law only, only if specifically identified in this permit as such.

3. General Requirements

- a) Any noncompliance with the federally enforceable terms and conditions of this permit constitutes a violation of the Act, and is grounds for enforcement action or for permit revocation, revocation and re-issuance, or modification.

- b) It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c) This permit may be modified, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d) This permit does not convey any property rights of any sort, or any exclusive privilege.
- e) The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

4. Monitoring and Related Record Keeping and Reporting Requirements

- a) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - (1) The date, place (as defined in the permit), and time of sampling or measurements.
 - (2) The date(s) analyses were performed.
 - (3) The company or entity that performed the analyses.
 - (4) The analytical techniques or methods used.
 - (5) The results of such analyses.
 - (6) The operating conditions existing at the time of sampling or measurement.
- b) Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
 - (1) Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the Ohio EPA DAPC, Southeast District Office.

- (2) Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the Ohio EPA DAPC, Southeast District Office. The written reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See A.15. below if no deviations occurred during the quarter.
 - (3) Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the Ohio EPA DAPC, Southeast District Office every six months, by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
 - (4) This permit is for an emissions unit located at a Title V facility. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.
- d) The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the Ohio EPA DAPC, Southeast District Office in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to OAC rule 3745-15-06.

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

6. Compliance Requirements

- a) All applications, notifications or reports required by terms and conditions in this permit to be submitted or "reported in writing" are to be submitted to Ohio EPA through the Ohio EPA's eBusiness Center: Air Services web service ("Air Services"). Ohio EPA will accept hard copy submittals on an as-needed basis if the permittee cannot submit the required documents through the Ohio EPA eBusiness Center. In the event of an alternative hard copy submission in lieu of the eBusiness Center, the post-marked date or the date the document is delivered in person will be recognized as the date submitted. Electronic submission of applications, notifications or reports required to be submitted to Ohio EPA fulfills the requirement to submit the required information to the Director, the appropriate Ohio EPA District Office or contracted

local air agency, and/or any other individual or organization specifically identified as an additional recipient identified in this permit unless otherwise specified. Consistent with OAC rule 3745-15-03, the electronic signature date shall constitute the date that the required application, notification or report is considered to be "submitted". Any document requiring signature may be represented by entry of the personal identification number (PIN) by responsible official as part of the electronic submission process or by the scanned attestation document signed by the Authorized Representative that is attached to the electronically submitted written report.

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:
- (1) At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
 - (2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
 - (3) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - (4) As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c) The permittee shall submit progress reports to the Ohio EPA DAPC, Southeast District Office concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
- (1) Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - (2) An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

7. Best Available Technology

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

8. Air Pollution Nuisance

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

9. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a) Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the Ohio EPA DAPC, Southeast District Office.
- 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 Ohio EPA DAPC, Southeast District Office. 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, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

10. Applicability

This Permit-to-Install is applicable only to the emissions unit(s) identified in the Permit-to-Install. Separate application must be made to the Director for the installation or modification of any other emissions unit(s) not exempt from the requirement to obtain a Permit-to-Install.

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

- a) This permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. This permit does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the application and terms and conditions of this permit. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of this permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Issuance of this permit is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.
- b) If applicable, authorization to install any new emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit if the owner or operator has not undertaken a continuing program of installation or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation. This deadline may be extended by up to 12 months if application is made to the

Director within a reasonable time before the termination date and the permittee shows good cause for any such extension.

- c) The permittee may notify Ohio EPA of any emissions unit that is permanently shut down (i.e., the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31) by submitting a certification from the authorized official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the authorized official that the emissions unit was permanently shut down. At a minimum, notification of permanent shut down shall be made or confirmed by marking the affected emissions unit(s) as "permanently shut down" in "Air Services" along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update electronically will constitute notifying the Director of the permanent shutdown of the affected emissions unit(s).
- d) The provisions of this permit shall cease to be enforceable for each affected emissions unit after the date on which an emissions unit is permanently shut down (i.e., emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31). All records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law. All reports required by this permit must be submitted for any period an affected emissions unit operated prior to permanent shut down. At a minimum, the permit requirements must be evaluated as part of the reporting requirements identified in this permit covering the last period the emissions unit operated.

Unless otherwise exempted, no emissions unit certified by the responsible official as being permanently shut down may resume operation without first applying for and obtaining a permit pursuant to OAC Chapter 3745-31 and OAC Chapter 3745-77 if the restarted operation is subject to one or more applicable requirements.

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

12. Permit-To-Operate Application

The permittee is required to apply for a Title V permit pursuant to OAC Chapter 3745-77. The permittee shall submit a complete Title V permit application or a complete Title V permit modification application within twelve (12) months after commencing operation of the emissions units covered by this permit. However, if operation of the proposed new or modified source(s) as authorized by this permit would be prohibited by the terms and conditions of an existing Title V permit, a Title V permit modification of such new or modified source(s) pursuant to OAC rule 3745-77-04(D) and OAC rule 3745-77-08(C)(3)(d) must be obtained before operating the source in a manner that would violate the existing Title V permit requirements.

13. Construction Compliance Certification

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

- a) Completion of initial installation date shall be entered upon completion of construction and prior to start-up.
- b) Commence operation after installation or latest modification date shall be entered within 90 days after commencing operation of the applicable emissions unit.

14. Public Disclosure

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

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

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

16. Fees

The permittee shall pay fees to the Director of the Ohio EPA in accordance with ORC section 3745.11 and OAC Chapter 3745-78. The permittee shall pay all applicable permit-to-install fees within 30 days after the issuance of any permit-to-install. The permittee shall pay all applicable permit-to-operate fees within thirty days of the issuance of the invoice.

17. Permit Transfers

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

18. Risk Management Plans

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

19. Title IV Provisions

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



Final Permit-to-Install
American Centrifuge Operating, LLC
Permit Number: P0116605
Facility ID: 0666000000
Effective Date: 1/19/2016

B. Facility-Wide Terms and Conditions



Final Permit-to-Install
American Centrifuge Operating, LLC
Permit Number: P0116605
Facility ID: 0666000000
Effective Date: 1/19/2016

1. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:
 - a) None.



Final Permit-to-Install
American Centrifuge Operating, LLC
Permit Number: P0116605
Facility ID: 0666000000
Effective Date: 1/19/2016

C. Emissions Unit Terms and Conditions

1. B043, X-6002 Boiler No. 3

Operations, Property and/or Equipment Description:

78.8 MMBtu/Hr Johnston Boiler Model PFTS2000-3LG125W firing Natural Gas or Low-Sulfur No. 2 Fuel Oil. ACP Boiler No. 3 utilizing low-NOx burners and flue gas recirculation.

- a) The following emissions unit terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only.
 - (1) None.
- b) Applicable Emissions Limitations and/or Control Requirements
 - (1) The specific operation(s), property, and/or equipment that constitute each emissions unit along with the applicable rules and/or requirements and with the applicable emissions limitations and/or control measures are identified below. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	ORC 3704.03(T) and OAC rule 3745-31-05(A)(3)	<p>Nitrogen oxides (NOx) emissions shall not exceed 0.20 pound per million Btu of actual heat input when burning No. 2 fuel oil; 0.05 pound per million Btu of actual heat input when burning natural gas; and 15.8 pounds per hour.</p> <p>Carbon monoxide (CO) emissions shall not exceed 0.04 pound per million Btu of actual heat input when burning No. 2 fuel oil; 0.082 pound per million Btu of actual heat input when burning natural gas; 6.46 pounds per hour; and 28.3 tons per year.</p> <p>Sulfur dioxide (SO2) emissions shall not exceed 0.051 pound per million Btu of actual heat input when burning No. 2 fuel oil; and 4.02 pounds per hour.</p>
b.	OAC rule 3745-31-05(A)(3), as effective 11/20/01	<p>Particulate emissions (PE) shall not exceed 1.58 pounds per hour and 6.92 tons per year.</p> <p>Volatile organic compound (VOC) emissions shall not exceed 0.01 pound per million Btu of actual heat input when burning No. 2 fuel oil; 0.79 pounds per hour; and 3.46 tons per year.</p> <p>See b)(2)a. below.</p>

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
c.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06	See b)(2)b. below.
b.	OAC rule 3745-17-07(A)	When burning natural gas, visible PE from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule. When burning No. 2 fuel oil, the visible PE limitation is less stringent than the limitation established pursuant to 40 CFR Part 60, Subpart Dc.
c.	OAC rule 3745-17-10(B)	PE shall not exceed 0.020 pound per million Btu of actual heat input. The PE limitation specified in this rule is equivalent to the PE limitation established pursuant to OAC rule 3745-31-05(A)(3). This limit applies after the SIP is approved as noted below in b)(2)b. removing the BAT limits.
d.	OAC rule 3745-18-06(A)&(D)	When burning natural gas, pursuant to OAC rule 3745-18-06(A), this emissions unit is exempt from the emission limitation specified in this rule. When burning No. 2 fuel oil, the sulfur dioxide emission limitation specified in this rule is less stringent than the sulfur dioxide emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
e.	40 CFR Part 60, Subpart Dc	When burning No. 2 fuel oil, the SO ₂ emission limitation specified in this rule is less stringent than the limitation established pursuant to OAC rule 3745-31-05(A)(3). When burning No. 2 fuel oil, visible PE shall not exceed 20% opacity, as a 6-minute average, except for one 6-minute period per hour of not more than 27% opacity, except during periods of startup, shutdown, or malfunction.
f.	OAC rule 3745-31-05(D)	Total combined annual emissions shall not exceed the following as rolling 12-month summations:



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		7.10 tons SO ₂ ; and 27.42 tons NO _x . Total combined annual quantity of No. 2 fuel oil combusted shall not exceed 2,000,000 gallons as a rolling, 12-month summation. See c)(2) below.

(2) Additional Terms and Conditions

a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to OAC paragraph 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (S.B. 265 changes), such that BAT is no longer required by state regulations for NAAQS pollutant less than ten tons per year. However, that rule revision has yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Therefore, until the SIP revision occurs and the U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. Once U.S. EPA approves the December 1, 2006 version of 3745-31-05, then these emission limits/control measures no longer apply.

b. This rule paragraph applies once U.S. EPA approves the December 1, 2006 version of OAC rule 3745-31-05 as part of the State Implementation Plan.

The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the PE and VOC emissions from these air contaminant sources since the uncontrolled potential to emit for PE and VOC emissions are each less than 10 tons per year.

c) Operational Restrictions

(1) The sulfur content of any oil fired in this emissions unit shall not exceed 0.05 percent by weight.

(3) The total maximum annual No. 2 fuel oil usage shall not exceed 2,000,000 gallons, based upon a rolling, 12-month summation of No. 2 fuel oil usage.

To ensure enforceability during the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, the permittee shall not exceed the fuel oil usage levels specified in the following table:

Month(s)	Maximum Allowable Cumulative Fuel Oil Usage (gallons)
1	250,000
1-2	500,000
1-3	750,000
1-4	1,000,000
1-5	1,250,000
1-6	1,500,000
1-7	1,750,000
1-8 Through 12	2,000,000

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

d) **Monitoring and/or Recordkeeping Requirements**

(1) 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, 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.

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).

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 Standard Test Method for Heat of Combustion of Liquid Hydrocarbon Fuels by Bomb Calorimeter and D4294, Standard Test Method for Sulfur in Petroleum and Petroleum Products by Energy-Dispersive X-Ray Fluorescence Spectrometry, or equivalent methods as approved by the Director.

- (2) The permittee shall maintain daily records of the total quantity of No. 2 fuel oil (in gallons) and/or natural gas (in millions of cubic feet) combusted in this emissions unit.
- (3) The permittee shall maintain monthly records of the following information:
 - a. the total quantity of No. 2 fuel oil, in gallons, combusted in this emissions unit;
 - b. beginning after the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, the rolling, 12-month summation of the fuel oil usage, in gallons; and
 - c. beginning after the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, the rolling, 12-month summation of the emissions of SO₂ and NO_x, in tons.

Also, during the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, the permittee shall record the cumulative fuel oil usage and cumulative emissions of SO₂ and NO_x for each calendar month.

- (4) For any day during which the permittee burns a fuel other than natural gas or No. 2 fuel oil with a sulfur content of less than 0.05 percent by weight, the permittee shall maintain a record of the type and quantity of fuel burned in this emissions unit.
- e) Reporting Requirements
- (1) The permittee shall submit quarterly deviation (excursion) reports that identify the following:
 - a. all exceedances of the rolling 12-month fuel oil usage limitations and/or limitations established for the first 12 calendar months of operation following issuance of this permit;
 - b. all exceedances of the rolling 12-month emission limits, for SO₂ and NO_x;
 - c. all exceedances of the allowable No. 2 fuel oil sulfur content; and
 - d. an identification of any day in which a fuel other than natural gas or No. 2 fuel oil was burned and the quantity that was burned.



The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

- (2) Pursuant to 40 CFR Part 60.7, the permittee shall submit notification of:
- a. the date construction or reconstruction of the emissions unit is commenced, no later than 30 days after such date;
 - b. the anticipated start-up date, no later than 60 days or less than 30 days prior to such date;
 - c. the actual start-up date, within 15 days after such date; and
 - d. the date of performance testing, if required, at least 30 days prior to testing.

Reports are to be sent to:

Ohio Environmental Protection Agency - DAPC
Lazarus Government Center
P. O. Box 1049
Columbus, OH 43216

and

Ohio Environmental Protection Agency
Southeast District Office – DAPC
2195 Front Street
Logan, OH 43138.

- (3) Pursuant to 40 CFR Part 60.48c(d) and (e), the permittee shall submit semiannual reports to the Ohio EPA Southeast District Office, which includes the following information:
- a. the calendar dates covered in the reporting period;
 - b. the name of the oil supplier(s);
 - c. 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 supplier(s) certification(s) of the sulfur content for each shipment of oil received during the reporting period; and
 - d. 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 semiannual reports shall be postmarked by the 30th day following the end of the reporting period and shall cover the fuel oil shipments received during the previous calendar reporting period.

f) Testing Requirements

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

a. Emission Limitations:

NOx emissions shall not exceed 0.20 pound per million Btu of actual heat input when burning No. 2 fuel oil; 0.05 pound per million Btu of actual heat input when burning natural gas; and 15.8 pounds per hour.

Applicable Compliance Method:

Compliance with pound per million Btu limitations for both natural gas and No. 2 fuel oil shall be demonstrated through the results of stack testing as required in section f)(2) below. Until stack testing is completed, compliance shall be determined using the supplied emission factors of 0.20 pound per million Btu for No. 2 fuel oil and 0.05 pound per million Btu for natural gas.

The hourly emission limitation was developed by multiplying the 0.20 pound per million Btu limitation by the maximum hourly heat input capacity of 78.8 million Btu per hour. Therefore, compliance with the hourly limitation shall be demonstrated if compliance with the pound per million Btu limitation when burning No. 2 fuel oil is maintained.

b. Emission Limitations:

SO2 emissions shall not exceed 0.051 pound per million Btu of actual heat input when burning No. 2 fuel oil; and 4.02 pounds per hour.

Applicable Compliance Method:

Compliance with the pound per million Btu limitation for No. 2 fuel oil shall be demonstrated based on the record keeping requirements in section d)(1) above.

The hourly emission limitation was developed by multiplying the 0.051 pound per million Btu limitation by the maximum hourly heat input capacity of 78.8 million Btu per hour. Therefore, compliance with the hourly limitation shall be demonstrated if compliance with the pound per million Btu limitation when burning No. 2 fuel oil is maintained.

c. Emission Limitations:

CO emissions shall not exceed 0.04 pound per million Btu of actual heat input when burning No. 2 fuel oil; 0.082 pound per million Btu of actual heat input when burning natural gas; 6.46 pounds per hour; and 28.3 tons per year.

Applicable Compliance Method:

Compliance with pound per million Btu limitations for both natural gas and No. 2 fuel oil shall be demonstrated through the results of stack testing as required in section f)(2) below. Until stack testing is completed, compliance shall be determined using the supplied emission factor of 0.04 pound per million Btu for No. 2 fuel oil and the AP-42 Emission Factor (Table 1.4-1 (7/98)) for natural gas of 84 pounds per million cubic feet.

The hourly emission limitation was developed by multiplying the 0.082 pound per million Btu limitation by the maximum hourly heat input capacity of 78.8 million Btu per hour. Therefore, compliance with the hourly limitation shall be demonstrated if compliance with the pound per million Btu limitation when burning natural gas is maintained.

The annual emission limitation was developed by multiplying the hourly mass emission limitation by 8760 hours per year, and then dividing by 2000. Therefore, compliance with the annual limitation shall be demonstrated if compliance with the hourly limitation is maintained.

d. Emission Limitations:

VOC emissions shall not exceed 0.01 pound per million Btu of actual heat input when burning No. 2 fuel oil; 0.79 pounds per hour; and 3.46 tons per year.

Applicable Compliance Method:

Compliance with the pound per million Btu limitation shall be demonstrated using the manufacture supplied emission factor based on the results of stack testing a similar source of 0.01 pound per million Btu.

The hourly emission limitation was developed by multiplying the 0.01 pound per million Btu limitation by the maximum hourly heat input capacity of 78.8 million Btu per hour. Therefore, compliance with the hourly limitation shall be demonstrated if compliance with the pound per million Btu limitation is maintained.

If required, the permittee shall demonstrate compliance with the VOC limitation based on the results of emission testing conducted in accordance with Methods 1-4 and 18 or 25/25A, as appropriate, of 40 CFR Part 60, Appendix A.

The annual emission limitation was developed by multiplying the hourly mass emission limitation by 8760 hours per year, and then dividing by 2000. Therefore, compliance with the annual limitation shall be demonstrated if compliance with the hourly limitation is maintained.

e. Emission Limitations:

PE shall not exceed 1.58 pounds per hour and 6.92 tons per year.

PE shall not exceed 0.020 pound per million Btu of actual heat input.



Applicable Compliance Method:

Compliance with the pound per million Btu limitation shall be demonstrated using the manufacture supplied emission factor based on results of stack testing a similar source of 0.02 pound per million Btu.

The hourly emission limitation was developed by multiplying the 0.02 pound per million Btu limitation by the maximum hourly heat input capacity of 78.8 million Btu per hour. Therefore, compliance with the hourly limitation shall be demonstrated if compliance with the pound per million Btu limitation is maintained.

If required, the permittee shall demonstrate compliance with the PE limitation based on the results of emission testing conducted in accordance with Methods 1-5 of 40 CFR Part 60, Appendix A.

The annual emission limitation was developed by multiplying the hourly mass emission limitation by 8760 hours per year, and then dividing by 2000. Therefore, compliance with the annual limitation shall be demonstrated if compliance with the hourly limitation is maintained.

f. Emission Limitations:

When burning natural gas, visible PE from any stack shall not exceed 20% opacity, as a 6-minute average, except as provided by rule.

When burning No. 2 fuel oil, visible PE shall not exceed 20% opacity, as a 6-minute average, except for one 6-minute period per hour of not more than 27% opacity, except during periods of startup, shutdown, or malfunction.

Applicable Compliance Method:

If required, compliance with the visible PE limitation shall be demonstrated through the results of visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9.

g. Emission Limitations:

Total combined annual emissions from B044 and B045 shall not exceed the following as rolling 12-month summations:

7.10 tons SO₂; and
27.42 tons NO_x.

Applicable Compliance Method:

Compliance with the total combined emissions shall be determined through the record keeping requirements of section d)(3) above and calculated in accordance with the following methodology:

Combined Emissions = \sum (Combustion of Natural Gas + Combustion of Fuel Oil)



Where:

Fuel Oil Emissions = (Pollutant specific emission factor or stack test result in pound/mmBtu) * (gallons of fuel burned) * (140,000 Btu/gallon) * (ton/2000 pounds)

And

Natural Gas Emissions = (Pollutant specific emission factor or stack test result in pound/mmBtu) * (cubic feet of gas burned) * (1,000 Btu/ft³) * (ton/2000 pounds)

(2) The permittee shall conduct, or have conducted, emission testing for this emissions unit in accordance with the following requirements:

- a. The emission testing shall be conducted within 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 pound per million Btu limitations for NO_x and CO from the combustion of both No. 2 fuel oil and natural gas.
- c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

for NO_x, Method 7E of 40 CFR Part 60, Appendix A (while firing both No. 2 fuel oil and natural gas separately); and
for CO, Method 10 of 40 CFR Part 60, Appendix A (while firing both No. 2 fuel oil and natural gas separately).

Alternative U.S. EPA approved test methods may be used with prior approval from the Ohio EPA.

- d. The test(s) shall be conducted under those representative conditions that challenge to the fullest extent possible a facility's ability to meet the applicable emissions limits and/or control requirements, unless otherwise specified or approved by the Ohio EPA, Southeast District Office. Although this generally consists of operating the emissions unit at its maximum material input/production rates and results in the highest emission rate of the tested pollutant, there may be circumstances where a lower emissions loading is deemed the most challenging control scenario. Failure to test under these conditions is justification for not accepting the test results as a demonstration of compliance.
- 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's 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.

g) Miscellaneous Requirements

- (1) None.