Ohio Environmental Protection Agency

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

10/1/2015

Certified Mail

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

Mr. Timothy DeClerck
Morton Salt, Inc.
151 S. Industrial St.
Rittman, OH 44270

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL
Facility ID: 0285020059
Permit Number: P0118768
Permit Type: Initial Installation
County: Wayne

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, Northeast District Office at (330)963-1200 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-NEDO; Canada

FINAL

Division of Air Pollution Control
Permit-to-Install
for
Morton Salt, Inc.

Facility ID:	0285020059
Permit Number:	P0118768
Permit Type:	Initial Installation
Issued:	10/1/2015
Effective:	10/1/2015

Ohio Environmental Protection Agency

Division of Air Pollution Control
Permit-to-Install
for
Morton Salt, Inc.

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Authorization

Facility ID:	0285020059
Facility Description:	Processing of Raw salt
Application Number(s):	A0052093
Permit Number:	P0118768
Permit Description:	Initial installation permit for emissions units B005 (147.78 MMBtu/hr natural gas-fired boiler) and B006 (147.78 MMBtu/hr natural gas-fired boiler).
Permit Type:	Initial Installation
Permit Fee:	$1,000.00
Issue Date:	10/1/2015
Effective Date:	10/1/2015

This document constitutes issuance to:

Morton Salt, Inc.
151 S. Industrial St.
Rittman, OH 44270

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, Northeast District Office
2110 East Aurora Road
Twinsburg, OH 44087
(330)963-1200

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

Authorization (continued)

Permit Number: P0118768
Permit Description: Initial installation permit for emissions units B005 (147.78 MMBtu/hr natural gas-fired boiler) and B006 (147.78 MMBtu/hr natural gas-fired boiler).

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

Group Name: Replacement Boilers

Emissions Unit ID:	**B005**
Company Equipment ID:	New Boiler 1
Superseded Permit Number:	
General Permit Category andType:	Not Applicable
Emissions Unit ID:	**B006**
Company Equipment ID:	New Boiler 2
Superseded Permit Number:	
General Permit Category andType:	Not Applicable

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

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

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

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

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

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

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

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

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

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

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

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

2. Severability Clause

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

b) All terms and conditions designated in parts B and C of this permit are federally enforceable as a practical matter, if they are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. Terms and conditions in parts B and C of this permit shall not be federally enforceable and shall be enforceable under State law only, only if specifically identified in this permit as such.

3. General Requirements

a) 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, Northeast District Office.

(2) Quarterly written reports of (i) any deviations from federally enforceable emissionlimitations, operationalrestrictions, andcontroldeviceoperatingparameterlimitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the Ohio EPA DAPC, Northeast 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, andreportingrequirements contained in this permit shall be submitted to the Ohio EPA DAPC, Northeast 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 theOhio EPA DAPC, Northeast District Officein 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, Northeast 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, Northeast 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, Northeast 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 <u>obtained before</u>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 enteredupon completion of construction and prior to start-up.

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

14. Public Disclosure

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

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

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

16. Fees

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

17. Permit Transfers

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

18. Risk Management Plans

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

19. Title IV Provisions

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

B. Facility-Wide Terms and Conditions

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

   a) None.

2. The following emissions units contained in this permit are subject to 40 CFR Part 60, Subpart Db, for New Stationary Sources Performance Standards (NSPS) for Industrial, Commercial, Institutional Steam Generating Units: B005 and B006. The complete NSPS requirements, including the Subpart A, General Provisions, may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website at http://ecfr.gpoaccess.gov or by contacting the Ohio EPA Northeast District Office.

   The permittee must comply with all applicable requirements of 40 CFR Part 60, Subpart Db. The permittee shall also comply with all applicable requirements of 40 CFR Part 60, Subpart A (General Provisions). Compliance with all applicable requirements shall be achieved by the dates set forth in 40 CFR Part 60, Subpart Db, and Subpart A.

3. The following emissions units contained in this permit are subject to 40 CFR Part 63, Subpart DDDDD, National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters: B005 and B006 The complete NESHAP requirements, including the Subpart A General Provisions, may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website at http://ecfr.gpoaccess.gov or by contacting the Ohio EPA Northeast District Office.

   The permittee must comply with all applicable requirements of 40 CFR Part 63, Subpart DDDDD. The permittee shall also comply with all applicable requirements of 40 CFR Part 63, Subpart A (General Provisions) as identified in Table 10 of 40 CFR Part 63, Subpart DDDDD. Compliance with all applicable requirements shall be achieved by the dates set forth in 40 CFR Part 63, Subpart DDDDD, and Subpart A.

4. Pursuant to the application for this permit for Major Source NSR Netting purposes, the terms and conditions in this permit-to-install are contingent upon B002 and B003 being permanently shut down simultaneously with the startup of B005 and B006 and prior to operation of B004 above the formerly restricted level.

5. The permittee shall notify the Ohio EPA in writing of the dates on which installation of emissions units B005 and B006 are complete as well as the date of commencement of operation for each. The permittee shall also notify the Ohio EPA in writing of the dates on which emissions units B002 and B003 were permanently shut down and removed from the property (or rendered completely inoperable). These notifications shall be submitted to the Northeast District Office within 15 days after an event occurs.

C. Emissions Unit Terms and Conditions

1. Emissions Unit Group - Replacement Boilers: B005, and B006.

EU ID	Operations, Property and/or Equipment Description
B005	147.78 MMBtu/hr natural gas-fired boiler.
B006	147.78 MMBtu/hr natural gas-fired boiler.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A) June 30, 2008	Install a burner designed to meet: 0.0059 lb SO_2/MMBtu heat input; 0.0041 lb VOC/MMBtu heat input; and 0.005 lb PE/MMBtu heat input. See b)(2)a.
b.	OAC rule 3745-31-05(A)(3)(a)(ii) June 30, 2008	The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the SO_2, VOC, and PE emissions from this air contaminant source since the potential to emit is less than 10 tons/year. See b)(2)b.
c.	ORC 3704.03(T)	Install a burner designed to meet: 0.10 lb NO_x/MMBtu; and 0.037 lb CO/MMBtu.
d.	OAC rule 3745-17-07(A)(1)	Visible PE from any stack serving these emissions units shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
e.	OAC rule 3745-17-10(B)(1)	PE shall not exceed 0.020 lb/MMBtu.
f.	OAC rule 3745-18-06	Exempt pursuant to OAC rule 3745-18-06(A) when firing with natural gas.
g.	OAC rule 3745-110-03(C)	NO_x emissions shall not exceed 0.10 lb/MMBtu. The emission limitation specified by this rule is equivalent to the emission limitation established pursuant to ORC 3704.03(T).
h.	40 CFR Part 60 Subpart Db In accordance with 40 CFR 60.40b and 60.41b, this emissions unit is a steam generating unit subject to the Standards of Performance for Industrial, Commercial, Institutional Steam Generating Units, constructed after 6/19/84.	The steam generating unit shall be operated and maintained in continuous compliance with the emission standards and applicable requirements of 40 CFR Part 60, Subpart Db.
i.	40 CFR 60.42b	See b)(2)c and b)(2)d.
j.	40 CFR 60.44b	The NO_x emission limitation specified by this rule is less stringent than the NO_xemission limitation established pursuant to OAC rule 3745-110-03(C).
k.	40 CFR Part 63, Subpart DDDDD [40 CFR 63.7480-7575] National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters [In accordance with 40 CFR 63.7499 and 63.7575, these emissions units are new boilers designed to burn gas 1 subcategory fuel subject to the work practices specified in this section.]	Table 3 to 40 CFR Part 63, Subpart DDDDD – Work Practice Standards [40 CFR 63.7500]. See B.3, c)(5), d)(7) and e)(8). Pursuant to 40 CFR 63.7495(b), the permittee shall comply with this subpart no later than January 31, 2016, except as provided in 40 CFR 63.6(i).

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
l.	40 CFR Part 63.1 – 63.16 [40 CFR 63.7565]	Table 10 to 40 CFR Part 63, Subpart DDDDD – Applicability of General Provisions (Subpart A) to Subpart DDDDD shows which parts of the General Provisions in 40 CFR Part 63.1 – 63.16 apply.

(2) Additional Terms and Conditions

a. This BAT emission limit applies until U.S. EPA approves Ohio Administrative Code (OAC) paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) into the Ohio State Implementation Plan (SIP)

b. These requirements apply once U.S. EPA approves OAC paragraph 3745-31-05(A)(3)(a)(ii) (the less than 10 tons per year BAT exemption) as part of the Ohio SIP.

c. The permittee shall only fire natural gas. This fuel shall have a potential SO_2 emission rate of no more than 140 ng/J (0.32 lb/MMBtu) heat input, which may be demonstrated through fuel analyses and/or the supplier's records for the fuel analyses.

d. The steam generating unit shall meet the SO_2 limit of 140 ng/J (0.32 lb/MMBtu) heat input by burning only natural gas, without the use of post-combustion technology (except for a wet scrubber), which qualifies the unit to be exempt from the SO_2 standards.

e. The opacity limits apply at all times, except during periods of startup, shutdown, or malfunction.

f. The NO_x emission standards apply at all times, including periods of startup, shutdown, or malfunction. The permittee shall install, certify, calibrate, maintain, and operate a continuous emissions monitoring system (CEMS), or other approved monitoring method per 40 CFR 60.49b(c), for NO_x. Compliance with the NO_x emission standards of 40 CFR Part 60, Subpart Db shall be based on the arithmetic average of all hourly emission rates for 30 successive boiler operating days, as a 30-day rolling average.

g. The SO_2 emission standards apply at all times, including periods of startup, shutdown, or malfunction. Compliance shall be demonstrated through conducting an initial performance test over 24 hours at full load and any subsequent requested demonstrations at the capacity utilization rate of the unit.

c) Operational Restrictions

(1) The permittee shall only burn natural gas in this emissions unit.

(2) The permittee shall install, certify, calibrate, maintain, and operate CEMS, or other approved monitoring method per 40 CFR 60.49b(c), for monitoring NO_x concentrations and either O_2 or CO_2 concentrations. The NO_x CEMS, or other approved monitoring method per 40 CFR 60.49b(c), shall be installed, maintained, evaluated, and operated according to the requirements of 40 CFR 60.8, 40 CFR 60.13, 40 CFR 60.46b(e), and 40 CFR 60.48b(b) through (f), and/or as allowed under Part 75 and Subpart Db. The CEMS shall be installed, calibrated, certified, operated, and maintained in accordance with Performance Specifications 2 and 3 in Appendix B to Part 60.

(3) In lieu of installing a continuous emissions monitoring system, the permittee may elect to install a predictive emission monitoring system (PEMS) to monitor NO_x and either O_2 or CO_2 concentrations. The PEMS must meet the requirements of Performance Standard 16 as written by the United States Environmental Protection Agency, and the proposed system shall be approved in writing by the U.S. EPA and Ohio EPA prior to installation.

(4) The permittee shall operate only two of the three boilers, B004, B005, or B006, simultaneously at any given time.

(5) The permittee shall comply with the applicable work practices required under 40 CFR Part 63, Subpart DDDDD, including the following sections:

63.7500, 63.7515(d), 63.7540, and Table 3 to Subpart DDDDD	Annual tune-up requirements.
63.7500(a)(3)	General duty to minimize emissions.
63.7510	Initial compliance requirements.

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall record all periods of time during which all three boilers were in operation simultaneously.

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

(3) The NO_x CEMS, or other approved monitoring method per 40 CFR 60.49b(c), shall be certified through a performance evaluation conducted according to Performance Specification 2 and O_2 or CO_2 monitoring system shall be certified through a performance evaluation conducted according to Performance Specification 3, both from

Appendix B to Part 60. The CEMS shall be operated and data recorded during all periods of operation of the emissions unit including periods of startup, shutdown, malfunction, excluding CEMS breakdowns, repairs. Data shall be recorded during calibration checks, and zero and span adjustments. When relative accuracy testing for the CEMS, or other approved monitoring method per 40 CFR 60.49b(c), is conducted, the NO_x concentration data and O_2 or CO_2 data shall be collected simultaneously.

Compliance with the NO_x emission standards is based on the arithmetic average of all hourly emission rates for 30 successive boiler operating days, as a 30-day rolling average. The hourly averages of the NO_x monitoring system shall be calculated in accordance with 40 CFR 60.13(h)(2), with the exception that Ohio EPA requires the NO_x monitoring system readings to be taken every minute, and the 1-minute readings are used for each 15 minute and/or 1 hour averages, used to calculate the daily average emissions; and emissions shall be expressed in ng/J or lb/MMBtu heat input. The 30-day average emission rate is calculated as the average of all hourly emissions data recorded by the NO_x monitoring system.

If the permittee has installed and certified NO_x and O_2 or CO_2 monitoring system according to the requirements of Part 75, and the CEMS continue to meet the ongoing quality assurance requirements of Part 75, the CEMS may be used to meet the requirements of Part 60 Subpart Db providing the following requirements are met:

a. when relative accuracy testing is conducted, NO_x concentration data and O_2 (or CO_2) data are collected simultaneously;

b. the NO_x and O_2 (or CO_2) monitoring systems meet the applicable NO_x and O_2 (or CO_2) relative accuracy specifications of Part 75;

c. the relative accuracy standard of Performance Specification 2 in Appendix B to Part 60 is calculated on a lb/MMBtu basis;

d. the NO_x and O_2 (or CO_2) data does not include substitute data values derived from the missing data procedures in Subpart D of Part 75;

e. the NO_x data has not been bias adjusted according to procedures identified in Part 75; and

f. the reporting requirements of 40 CFR 60.49b are met.

When NO_x emission data are not obtained because of breakdowns, repairs, calibration checks, and zero and span adjustments, emission data must be obtained by using standby monitoring systems, Method 7 or 7A of Appendix A to Part 60 or other approved reference methods to provide emissions data for a minimum of 75% of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive (rolling) steam generating unit operating days.

(4) The permittee shall maintain a copy of the notification of the date of initial startup of the steam generating unit(s) required per 40 CFR 60.7. This notification would have included the following information, identified for each subject boiler, with any modification submitted (and a copy maintained) in a later report:

a. the design heat input capacity and identification of the fuels to be combusted in each steam generating unit subject to 40 CFR Part 60, Subpart Db;

b. if applicable, a copy of any federally enforceable requirement that limits the annual capacity factor of any steam generating unit for a fuel or mixture of fuels under 40 CFR 60.42b(d)(1); 60.43b(a)(2), 60.43b(a)(3)(iii), 60.43b(c)(2)(ii), 60.43b(d)(2)(iii); 60.44b(c), 60.44b(d), 60.44b(e), 60.44b(i), 60.44b(j), 60.44b(k); 60.45b(d), 60.45b(g), 60.46b(h), or 60.48b(i); and

c. the annual capacity factor at which each steam generating unit is anticipated to be operated, based on all the fuels fired and each individual fuel fired.

(5) The permittee shall record and maintain records of the amounts of natural gas combusted during each day and calculate the annual capacity factor for natural gas burned during the reporting period. The annual capacity factor shall be determined on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month.

(6) The permittee of a steam generating unit shall maintain records of the following information for each steam generating unit operating day:

a. the calendar date;

b. the average hourly NO_x emission rates (ng/J or lb/MMBtu heat input) computed from the hourly averages and recorded at the end of the operating day; Ohio EPA requires CEMS readings to be taken every minute, and the 1-minute readings are used for each 15 minute and/or 1 hour average, used to calculate the daily average emissions;

c. the 30-day average NO_x emission rates (ng/J or lb/MMBtu heat input) for the preceding 30 steam generating unit operating days, calculated at the end of each steam generating unit operating day from the hourly average NO_x emission rates monitored by the NO_x monitoring system;

d. identification of each steam generating unit operating day when any fuel was burned other than gaseous fuel with potential SO_2 emissions of 140 ng/J (0.32 lb/MMBtu) heat input or less and/or 0.30 weight percent sulfur or less; or

e. identification of each steam generating unit operating day when the calculated 30-day average NO_X emission rates exceed the NO_X emissions standards under 40 CFR 60.44b, with the reasons for the excess emissions and a description of the corrective actions taken;

f. a record of any downtime of the NO_x monitoring system and/or any period of time when data was not obtained from each of the CEMS; the percent of operating hours for which NO_x and diluent (O_2 or CO_2) data was obtained during the operating day by the CEMS and/or an approved method; the justification for not obtaining sufficient data and description of the corrective action(s) taken;

g. identification of each steam generating unit operating day when emissions data was excluded from the calculation of average emission rates, the reason for excluding the data, and a description of corrective action(s) taken;

h. identification of the "F" factor(s) used for calculations, the method(s) of determination, and type of fuel combusted;

i. identification of the date and time when the pollutant concentration exceeded full span of the NO_x monitoring system;

j. a description of any modifications to the NO_x monitoring system that could affect the ability of the NO_x monitoring system to comply with Performance Specification 2 or 3;

k. the results of daily NO_x monitoring system drift tests and quarterly accuracy assessments as required under Appendix F, Procedure 1 of Part 60;

l. each day maintenance was performed on the NO_x control system, a description of the maintenance performed, and a record of any exceedance due to the maintenance;

m. a record of times when hourly averages were obtained based on manual sampling methods and the Method(s) used; and

n. the annual capacity factor of each fuel fired in each steam generating unit that is restricted by an annual capacity factor to meet a compliance option.

(7) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR Part 63, Subpart DDDDD, including the following sections:

63.7555	Required overall records to be maintained.
63.7560	Record format and retention requirements.

e) Reporting Requirements

(1) Unless other arrangements have been approved by the Director, all notifications and reports shall be submitted through the Ohio EPA's eBusiness Center: Air Services online web portal.

(2) The permittee shall submit quarterly deviation (excursion) reports that identify any deviations or exceedances of the emission limitations listed in b)(1). The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

(3) The permittee shall submit semiannual written reports that identify all time periods during which the three boilers operated simultaneously. These reports shall be submitted to the

director (the Ohio EPA Northeast District Office) by January 31, and July 31 of each year, and shall cover the previous 6-month period.

(4) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

(5) The performance test data from the initial and subsequent performance tests for NO_x, and opacity, excess emissions reports, the results of an initial certification (new NO_x monitoring system or COMS), and performance evaluations of the NO_x monitoring system shall be submitted to the agency through DAPC's "eBusiness Center, Air Services" website, unless otherwise prescribed by the Director. Each semiannual report shall be submitted by the 30th day following the end of each 6-month reporting period through DAPC's "eBusiness Center, Air Services" website.

(6) The permittee shall submit notification of any modifications made to a steam generating unit(s) that causes it/them to no longer meet the description of the unit or the fuel usage identified in the initial notification submitted in accordance with under 40 CFR 60.7. The notification of the change(s) shall be made in the next compliance report following the modification to the unit, to include:

a. any change in the fuels to be combusted in each steam generating unit subject to 40 CFR Part 60, Subpart Db;

b. if applicable, any change to a federally enforceable requirement that limited the annual capacity factor for any steam generating unit and the fuel or mixture of fuels identified under 40 CFR 60.42b(d)(1); 60.43b(a)(2), 60.43b(a)(3)(iii), 60.43b(c)(2)(ii), 60.43b(d)(2)(iii); 60.44b(c), 60.44b(d), 60.44b(e), 60.44b(i), 60.44b(j), 60.44b(k); 60.45b(d), 60.45b(g), 60.46b(h), or 60.48b(i); and

c. any change to the annual capacity factor at which a steam generating unit is to be operated, based on all the fuels fired and each individual fuel fired.

(7) The permittee shall submit the performance test data from the initial performance test and the performance evaluations of the CEMS to the Ohio EPA Northeast District Office through DAPC's "eBusiness Center, Air Services" website. In addition, the initial NO_x monitoring system performance evaluation and certification results shall be submitted to the Ohio EPA Northeast District Office through DAPC's "eBusiness Center, Air Services" website.

(8) The permittee shall submit excess emission reports for any exceedances that occurred during the reporting period.

a. any exceedance of the NO_x emission standards identified in 40 CFR 60.44b; excess emissions are defined as any calculated 30-day rolling average emission rate that exceeds the applicable emission limits;

b. the use of any fuel that exceeded 140 ng/J (0.32 lb/MMBtu) heat input and/or 0.30 weight percent sulfur; and

c. identification of each boiler operating day for which NO_x and/or diluent (O_2 or CO_2) data have not been obtained by an approved method for at least 75% of the operating hours in at least 22 out of the 30 successive (rolling) boiler operating days.

(9) The permittee of a steam generating unit shall submit semiannual reports containing the following information for each steam generating unit:

a. the beginning and ending dates of the 6-month compliance period;

b. the fuel(s) burned in each subject steam generating unit and the percent of the total operating hours each fuel was combusted in each unit during the 6-month reporting period;

c. each 30-day average NO_x emission rate (ng/J or lb/MMBtu heat input) measured during the reporting period, ending with the last 30-day period; the reasons for any noncompliance with the emission standards; and a description of any corrective actions taken;

d. identification of each steam generating unit operating day when the calculated 30-day average NO_x emission rates exceed the NO_x emissions standards under 40 CFR 60.44b; and the reasons for the excess emissions and a description of the corrective action(s) taken;

e. for an exceedance due to maintenance of the NO_x control system, the days on which the maintenance was performed and a description of the maintenance conducted;

f. identification of each steam generating unit operating day for which NO_x or diluent (O_2 or CO_2) data were not obtained by the NO_x monitoring system and/or an approved method for at least 75 percent of the operating hours in the steam generating unit operating day; the reason for not obtaining sufficient data; and description of the corrective action(s) taken;

g. identification of the times (date and duration) when emissions data have been excluded from the calculation of average emission rates; the reason for excluding data; and description of the corrective action(s) taken;

h. identification of the “F” factors used for calculations, the calculation(s) used or its source, and the fuels combusted;

i. identification of times (date and duration) when hourly averages have been obtained based on manual sampling methods and the Method(s) used;

j. identification of the times when the pollutant concentration exceeded full span of the NO_x monitoring system;

k. a description of any modifications to the NO_x monitoring system that could affect the ability of the NO_x monitoring system to comply with Performance Specification 2 or 3;

l. a summary of the results of daily NO_x monitoring system drift tests and the results of the quarterly accuracy assessments, required under appendix F, Procedure 1 of this part; and

m. the annual capacity factor of each fuel fired, for each steam generating unit that is restricted by an annual capacity factor for a particular fuel.

(10) The permittee shall comply with the applicable reporting requirements required under 40 CFR Part 63, Subpart DDDDD, including the following sections:

63.7530(d) and (e) and 63.7545	Notification of Compliance Status requirements.
63.7550 and Table 9 to Subpart DDDDD	Content and submission of compliance reports.

f) Testing Requirements

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

a. Emission Limitation:

SO_2 emissions shall not exceed 0.0059 lb/MMBtu.

Applicable Compliance Method:

This emission limitation is based on the emission factor from AP-42 “Compilation of Air Pollutant Emission Factors”, 5th Edition, Section 1.4, Table 1.4-2 (7/98). Compliance with the lb/MMBtu emission limitation may be demonstrated by converting the 0.6 lb/MMscf emission factor into lb SO_2/MMBtu by dividing by 1020.

b. Emission Limitation:

VOC emissions shall not exceed 0.0041 lb/MMBtu.

Applicable Compliance Method:

This emission limitation is based on the manufacturer’s specifications.

c. Emission Limitation:

PE shall not exceed 0.005 lb/MMBtu.

Applicable Compliance Method:

This emission limitation is based on the manufacturer's specifications.

d. Emission Limitation:

NO_x emissions shall not exceed 0.10 lb/MMBtu.

Applicable Compliance Method:

This emission limitation is based on the manufacturer's specifications

e. Emission Limitation:

CO emissions shall not exceed 0.037 lb/MMBtu.

Applicable Compliance Method:

This emission limitation is based on the manufacturer's specifications.

f. Emission Limitation:

Visible PE from any stack serving these emissions units shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.

Applicable Compliance Method:

Compliance with the stack visible particulate emission limitation shall be demonstrated through visible emission observations performed in accordance with the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 9.

g. Emission Limitation:

PE shall not exceed 0.020 lb/MMBtu.

Applicable Compliance Method:

This emission limitation is based on the emission factor from AP-42 "Compilation of Air Pollutant Emission Factors", 5th Edition, Section 1.4, Table 1.4-2 (7/98). Compliance with the lb/MMBtu emission limitation may be demonstrated by converting the 1.9 lb (filterable)/MMscf emission factor into lb PE/MMBtu by dividing by 1020.

(2) The permittee shall conduct performance tests to determine the NO_x emission rate. The initial performance test shall be conducted over 30 consecutive steam generating unit operating days and shall be determined using a rolling 30-day average. The first operating day included in the initial performance test shall be scheduled within 30 days after achieving the maximum production rate at which the unit will be operated, but not later than 180 days after initial startup of the unit.

Continuous compliance with the NO_x emission limits shall be based on the average emission rates for NO_x for 30 consecutive steam generating unit operating days, as a 30-day rolling average. At the end of each steam generating unit operating day a new 30-day average emission rate for NO_x shall be calculated to demonstrate compliance. The 1-hour average NO_x emission rates measured by the NO_x monitoring system shall be expressed in lb/MMBtu or ng/J heat input. Method 7E from 40 CFR Part 60, Appendix A or Method 320 from 40 CFR Part 63, Appendix A shall be used for substitute data and/or to correlate the NO_x concentration with CEMS and Method 3A or 3B from 40 CFR Part 60, Appendix A shall be used to determine O_2 concentration.

(3) The procedures under 40 CFR 60.13(c) shall be followed for installation, evaluation, and operations of CEMS for NO_x:

a. For affected facilities combusting natural gas, the span value for a CEMS measuring NO_x shall be 500 ppm:

i. As an alternative to meeting the requirements above, the permittee may elect to use the NO_x span values determined according to Section 2.1.2 in Appendix A to Part 75.

(4) If required, performance testing shall be conducted for VOC, PE, NO_x, and CO using the appropriate testing methods found in 40 CFR Part 60, Appendix A.

(5) If a PEMS system is elected for use, after initial testing to assure that the PEMS meets the requirements of Performance Standard 16, ongoing quality assurance/quality control shall include a relative accuracy test audit (RATA) once every four (or less) calendar quarters. RATA requirements are in addition to any and all PEMS manufacturer-suggested quality control/quality assurance procedures. RATA requirements shall include multi-load, multi-fuel (when applicable) testing. RATA testing shall be completed using the appropriate 40 CFR Part 60, Appendix A test methods (methods 7E, 3A, and 1 through 4 as necessary). RATA testing protocol shall be submitted to the director (the Ohio EPA, Central Office) for approval prior to the installation of the PEMS.

g) Miscellaneous Requirements

(1) None.