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

9/18/2012

Certified Mail

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

Michele Smith
INEOS ABS (USA) Corporation
356 Three Rivers Parkway
Addyston, OH 45001

RE: DRAFT AIR POLLUTION PERMIT-TO-INSTALL
Facility ID: 1431010054
Permit Number: P0109917
Permit Type: Initial Installation
County: Hamilton

Dear Permit Holder:

A draft of the Ohio Administrative Code (OAC) Chapter 3745-31 Air Pollution Permit-to-Install for the referenced facility has been issued for the emissions unit(s) listed in the Authorization section of the enclosed draft permit. This draft action is not an authorization to begin construction or modification of your emissions unit(s). The purpose of this draft is to solicit public comments on the permit. A public notice will appear in the Ohio EPA Weekly Review and the local newspaper, The Cincinnati Enquirer. A copy of the public notice and the draft permit are enclosed. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page,www.epa.ohio.gov/dapc by clicking the "Issued Air Pollution Control Permits" link. Comments will be accepted as a marked-up copy of the draft permit or in narrative format. Any comments must be sent to the following:

Andrew Hall
Permit Review/Development Section
Ohio EPA, DAPC
50 West Town Street, Suite 700
P.O. Box 1049
Columbus, Ohio 43216-1049

and

Southwest Ohio Air Quality Agency
250 William Howard Taft Rd.
Cincinnati, OH 45219

Comments and/or a request for a public hearing will be accepted within 30 days of the date the notice is published in the newspaper. You will be notified in writing if a public hearing is scheduled. A decision on issuing a final permit-to-install will be made after consideration of comments received and oral testimony if a public hearing is conducted.Any permit fee that will be due upon issuance of a final Permit-to-Install is indicated in the Authorization section. Please do not submit any payment now.If you have any questions, please contact Southwest Ohio Air Quality Agency at (513)946-7777.

Sincerely,

Michael W. Ahern

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

Cc: U.S. EPA Region 5 -*Via E-Mail Notification*
SWOAQA; Indiana; Kentucky

Permit Strategy Write-Up

1. Check all that apply:

_X_Synthetic Minor Determination

_X_Netting Determination

2. Source Description:

INEOS ABS (USA) proposes to install a 126.7 mmBtu/hr gas/oil fired boiler (B009) to replace the existing coal fired boiler (B007). B009 would have a No. 2 fuel oil usage limitation of 803,000 gallons per 12-month rolling period, and a fuel oil sulfur content limitation of 0.05%.

3. Facility Emissions and Attainment Status:

INEOS is a Title V facility located in Hamilton County. Hamilton County is in attainment for PM, PM10, PM2.5, SO2, NOx and CO. Hamilton County is in non-attainment for ozone.

4. Source Emissions:

Potential emissions of PM2.5, when burning No. 2 fuel oil, are 14.65 tons per year, above the significant emission increase of 10 TPY. PM2.5 emissions will be limited by a fuel oil usage limitation of 803,000 gallons per year as a rolling, 12-month summation. Potential PM2.5 emissions will be limited to 5.54 TPY. Quarterly reporting will be required to assure continuing compliance.

Since PM2.5 emissions will be limited to below the 10 TPY significant emission threshold, PSD review will not be required.

As part of this application, INEOS ABS USA is using emission credits for the installation of a 126.7 mmBtu/hr gas/oil fired boiler (B009).

Emissions Unit B009 potential emissions in tons per year.

pollutant	PM	PM10	PM2.5	SO2	NOx	CO	VOC
B009	5.54	5.54	5.54	3.18	61.52	48.62	3.13
Total	5.54	5.54	5.54	3.18	61.52	48.62	3.13

Emission Credits from Existing Coal Boiler B007 in tons per year.

pollutant	PM	PM10	PM2.5	SO2	NOx	CO	VOC
B007	-10.62	-10.41	-0.30	-359.26	-143.45	-46.01	-0.78
Increases Minus Reductions	-5.08	-4.87	5.24	-356.08	-81.93	2.61	2.35
Significant emission threshold	25	15	10	40	40	100	40
Significant emission increase	No	No	No	No	No	No	No

5. Conclusion:

This is a netting permit for NOX and a synthetic minor permit to avoid PSD for PM2.5 emissions.

The two year period within the last ten years, as allowed in OAC rule 3745-31-01, is from 2006 to 2007. The emission credits have been calculated by the difference in emissions from the existing coal-fired boiler (B007) compared to the reduction in emissions after the installation of the proposed boiler (B009).

6. Emissions of PM2.5 would increase by 5.24 tons per year, CO by 2.61 tons per year and VOC by 2.35 tons per year. Emissions of NOx from B009 would be 61.52 tons per year, above the 40 TPY major modification threshold. Subtracting NOx emissions from B007 from B009 increases gives a net decrease of 81.93 TPY, below the significant level of 40 TPY. Emission increases for PM2.5, CO and VOC are below the significant emission levels of 10, 100 and 40 tons per year, respectively, and therefore not subject to Major New Source review.

7. Please provide additional notes or comments as necessary:

None

8. Total Permit Allowable Emissions Summary (for informational purposes only):

Pollutant	Tons Per Year
PE	5.54
PM10	5.54
PM2.5	5.54
SO2	3.18
NOx	61.52
CO	48.62
VOC	3.13

PUBLIC NOTICE
9/18/2012 Issuance of Draft Air Pollution Permit-To-Install

INEOS ABS (USA) Corporation
356 Three Rivers Parkway,
Addyston, OH 45001-0039
Hamilton County
FACILITY DESC.: Plastics Material and Resin Manufacturing
PERMIT #: P0109917
PERMIT TYPE: Initial Installation
PERMIT DESC: 126.7 MMBTU/hr natural gas-fired boiler with capability to burn distillate fuel oil as a backup fuel source.

The Director of the Ohio Environmental Protection Agency issued the draft permit above. The permit and complete instructions for requesting information or submitting comments may be obtained at: http://epa.ohio.gov/dapc/permitsonline.aspx by entering the permit # or: Bonnie Pray, Southwest Ohio Air Quality Agency, 250 William Howard Taft Rd., Cincinnati, OH 45219. Ph: (513)946-7777

Ohio | Environmental Protection Agency

DRAFT

Division of Air Pollution Control
Permit-to-Install
for
INEOS ABS (USA) Corporation

Facility ID:	1431010054
Permit Number:	P0109917
Permit Type:	Initial Installation
Issued:	9/18/2012
Effective:	To be entered upon final issuance

Ohio Environmental Protection Agency

Division of Air Pollution Control
Permit-to-Install
for
INEOS ABS (USA) Corporation

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Authorization

Facility ID: 1431010054
Facility Description: plastic polymer manufacturing
Application Number(s): A0043773
Permit Number: P0109917
Permit Description: 126.7 MMBTU/hr natural gas-fired boiler with capability to burn distillate fuel oil as a backup fuel source.
Permit Type: Initial Installation
Permit Fee: $1,000.00*DO NOT send payment at this time, subject to change before final issuance*
Issue Date: 9/18/2012
Effective Date: To be entered upon final issuance

This document constitutes issuance to:

INEOS ABS (USA) Corporation
356 Three Rivers Parkway
Addyston, OH 45001-0039

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

Ohio EPA District Office or local air agency responsible for processing and administering your permit:

Southwest Ohio Air Quality Agency
250 William Howard Taft Rd.
Cincinnati, OH 45219
(513)946-7777

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Scott J. Nally
Director

Authorization (continued)

Permit Number: P0109917
Permit Description: 126.7 MMBTU/hr natural gas-fired boiler with capability to burn distillate fuel oil as a backup fuel source.

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

Emissions Unit ID:	**B009**
Company Equipment ID:	Boiler #9
Superseded Permit Number:	
General Permit Category and Type:	Not Applicable

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

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

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

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

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

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

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

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

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

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

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

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

2. Severability Clause

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

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

3. General Requirements

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

b) It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.

c) This permit may be modified, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.

d) This permit does not convey any property rights of any sort, or any exclusive privilege.

e) The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

4. Monitoring and Related Record Keeping and Reporting Requirements

a) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:

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

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

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

(4) The analytical techniques or methods used.

(5) The results of such analyses.

(6) The operating conditions existing at the time of sampling or measurement.

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

c) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:

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

(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 Southwest Ohio Air Quality Agency. The written reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See A.15. below if no deviations occurred during the quarter.

(3) Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, andreportingrequirements contained in this permit shall be submitted (i.e., postmarked) to the Southwest Ohio Air Quality Agency 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 Southwest Ohio Air Quality Agency in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to OAC rule 3745-15-06.

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

6. Compliance Requirements

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

b) Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

c) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:

(1) At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.

(2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.

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

(4) As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.

d) The permittee shall submit progress reports to the Southwest Ohio Air Quality Agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

(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 Southwest Ohio Air Quality Agency.

b) Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have

been detected by the testing, monitoring, and recordkeeping requirements specified in this permit, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the Southwest Ohio Air Quality Agency. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

10. Applicability

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

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

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

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

c) The permittee may notify Ohio EPA of any emissions unit that is permanently shut down (i.e., the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31) by submitting a certification from the authorized official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the authorized official that the emissions unit was permanently shut down. At a minimum, notification of permanent shut down shall be made or confirmed by marking the affected emissions unit(s) as “permanently shut down” in Ohio EPA’s “Air Services” along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).

d) The provisions of this permit shall cease to be enforceable for each affected emissions unit after the date on which an emissions unit is permanently shut down (i.e., emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31). All records relating to any permanently shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law. All reports required by this permit must be submitted for any period an affected emissions unit operated prior to permanent shut down. At a minimum, the permit requirements must be evaluated as part of the reporting requirements identified in this permit covering the last period the emissions unit operated.

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

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

12. Permit-To-Operate Application

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

13. Construction Compliance Certification

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

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

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

14. Public Disclosure

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

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

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

16. Fees

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

17. Permit Transfers

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

18. Risk Management Plans

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

19. Title IV Provisions

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

B. Facility-Wide Terms and Conditions

Part II - FACILITY SPECIFIC TERMS AND CONDITIONS

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

a) 40 CFR Part 63, Subpart DDDDD (Boiler MACT) Requirements

The permittee is subject to the applicable emission limitation(s) and/or control measures, operational restrictions, monitoring and/or record keeping requirements, reporting requirements, testing requirements and the general and/or other requirements specified in 40 CFR Part 63, Subpart DDDDD, in accordance with 40 CFR Parts 63.7480 through 63.7575 (including the Table(s) and Appendix(ices) referenced in Subpart DDDDD).

The following emissions units in this permit are subject to the aforementioned requirements: B009.

b) 40 CFR Part 63, Subpart JJJ, Group IV Polymers and resins

The permittee is subject to the applicable emission limitation(s) and/or control measures, operational restrictions, monitoring and/or record keeping requirements, reporting requirements, testing requirements and the general and/or other requirements specified in 40 CFR Part 63, Subpart JJJ, in accordance with 40 CFR Parts 63.1310 through 63.1336 (including the Table(s) and Appendix(ices) referenced in Subpart JJJ).

The following emissions units in this permit are subject to the aforementioned requirements: B009.

c) 40 CFR Part 63, Subpart A, General Provisions

The permittee is subject to the applicable requirements of 40 CFR Part 63, Subpart A (General Provisions), as set forth in Table 10 of Subpart DDDDD.

The following emissions units in this permit are subject to the aforementioned requirements: B009.

d) As part of this application, INEOS ABS USA is using emission netting credits from existing coal fired boiler, emissions unit B007, for the installation of a new 126.7 mmBtu/hr. gas/oil fired boiler (emissions unit B009) at INEOS ABS USA (premise number 1431010054). INEOS ABS USA shall operate and maintain emissions unit B009 in order to ensure the emission reduction credit noted below.

Emissions Unit B009 potential emissions, in tons per year.

Pollutant	NOx
B009	61.52
Total	61.52

Emission Credits from Existing Coal Boiler B007 in tons per year.

Pollutant	NOx
B007	-143.45
Increases Minus Reductions	-81.93
Significant emission threshold	40
Significant emission increase	No

The two year period within the last ten years, as allowed in OAC rule 3745-31-01, is from 2006 to 2007. The emission credits have been calculated by the difference in emissions from the existing coal-fired boiler (B007) compared to the reduction in emissions after the installation of the proposed boiler (B009).

Emissions of NOx from emissions unit B009 would be 61.52 tons per year, which is above the 40 TPY major source modification threshold. Subtracting emissions unit B007 NOx emissions from emissions unit B009 increases gives a net decrease of 81.93 TPY, below the major source significance level of 40 TPY.

C. Emissions Unit Terms and Conditions

1. B009, Boiler #9

Operations, Property and/or Equipment Description:

126.7 mmBtu/hr. gas/oil fired boiler.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3), as effective 11/30/01.	Particulate emissions (PE) and particulate matter 10 microns or less in diameter (PM10) shall not exceed 5.54 tons per year (TPY). Sulfur Dioxide (SO2) emissions shall not exceed 3.18 TPY. Volatile Organic Compound (VOC) emissions shall not exceed 3.13 TPY. See b)(2)a., b)(2)c., b)(2)d. and b)(2)i. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1), OAC rule 3745-17-10(B)(1), OAC rule 3745-18-06(A), OAC rule 3745-18-06(D), OAC rule 3745-31-05(D), OAC rule 3745-110-03, 40 CFR Part 60, Subpart Db and 40 CFR Part 63, Subpart DDDDD.
b.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06.	See b)(2)b.
c.	ORC 3704.03(T) Best Available Technology (BAT) under the Revised Code applies to	See b)(2)c. and b)(2)d. for NOx and CO emission limitations.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	nitrogen oxides (NOx) and carbon monoxide (CO).	
d.	OAC rule 3745-31-05(D) Synthetic minor to avoid Prevention of Significant Deterioration	The emissions of PM2.5 from this emissions unit shall not exceed 5.54 tons per year, based upon a rolling, 12-month summation of the monthly emissions. See c)(1).
e.	OAC rule 3745-17-07(A)(1)	Visible particulate emissions from the stack serving this emissions unit shall not exceed 20 percent opacity as a six-minute average, except as provided by rule.
f.	OAC rule 3745-17-10(B)(1)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). PE shall not exceed 0.020 pound per million Btu actual heat input.
g.	OAC rule 3745-18-06(A)	Fuel burning equipment is exempt from paragraphs (D), (F) and (G) of OAC rule 3745-18-06, and from rules 3745-18-07 to 3745-18-94 of the Administrative Code during any calendar day in which natural gas is the only fuel burned.
h.	OAC rule 3745-18-06(D)	The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3). Emissions of SO2 shall not exceed 1.6 lbs SO2 per million Btu actual heat input.
i.	OAC rule 3745-110-03(C)	See b)(2)c. and b)(2)d. for NOx emission limits.
j.	40 CFR Part 60 Subpart Db New Source Performance Standard (NSPS)	Visible particulate emissions shall not exceed 20% opacity as a six-minute average, except for one six-minute period per hour of not more than 27% opacity.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		This opacity limitation does not apply during periods of start-up, shutdown or malfunction. See b)(2)f., b)(2)g., b)(2)h., and b)(2)k. Note section 60.48b(b)1., with regard to the installation of continuous NOx and O2 monitors. Also, note section 60.48b(j)(2), with regard to not being required to install a continuous opacity monitor.
k.	40 CFR Part 63 Subpart DDDDD, the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters. (applicability 40 CFR 63.7485; affected source, 40 CFR 63.7490)	Applicable Emission Limits in Table 1; Work Practice Standards in Table 3 and Operating Limits in Table 4 to Subpart DDDDD of 40 CFR Part 63 (subject to change based on the issuance of the Final Action on Reconsideration of 40 CFR Part 63, Subpart DDDDD by U.S. EPA). See b)(2)e., d)(7), e)(7) and f)(3).
l.	40 CFR Part 63, Subpart A (40 CFR 63.7505)	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 63.1-15 apply.
m.	OAC rule 3745-31-05(E), as effective 12/01/06 Voluntary restriction to avoid BAT for PM2.5 and SO2 emissions	See b)(2)j.

(2) Additional Terms and Conditions

a. The permittee has satisfied the Best Available Technology (BAT) requirements pursuant to Ohio Administrative Code (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 the Ohio Revised Code (ORC) changes effective August 3, 2006 (Senate Bill 265 changes), such that BAT is no longer required by State regulations for National Ambient Air Quality Standards (NAAQS) pollutant(s) less than ten tons per year. However, that rule revision has not 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 OAC rule 3745-31-05, then these emission limitations/control measures no longer apply.

b. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the PE, PM10, and VOC emissions from this air contaminant source since the uncontrolled potential to emit for PE, PM10, and VOC emissions is less than ten tons per year.

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.

c. The following emission limitations shall not be exceeded when burning natural gas:

Particulate emissions (PE), Particulate Matter 10 microns or less in diameter (PM10) and Particulate Matter 2.5 microns or less in diameter (PM2.5) shall not exceed 0.0076 lb./mmBtu of actual heat input*.

Sulfur Dioxide (SO2) emissions shall not exceed 0.0006 lb./mmBtu of actual heat input*.

Nitrogen Oxide (NOx) emissions shall not exceed 0.10 lb./mmBtu of actual heat input*.

Carbon Monoxide (CO) emissions shall not exceed 0.084 lb./mmBtu of actual heat input*.

Volatile Organic Compound (VOC) emissions shall not exceed 0.0055 lb./mmBtu of actual heat input*.

*The emission limitations outlined above are based on the emissions unit's potential to emit (PTE). Therefore, no records are required to demonstrate compliance with these limitations.

d. The following emission limitations shall not be exceeded when burning No. 2 fuel oil:

PE/PM10/PM2.5 emissions shall not exceed 0.026 lb./mmBtu of actual heat input*.

SO2 emissions shall not exceed 0.056 lb./mmBtu of actual heat input.

NOx emissions shall not exceed 0.12 lb./mmBtu of actual heat input*.

CO emissions shall not exceed 0.04 lb./mmBtu of actual heat input*.

VOC emissions shall not exceed 0.002 lb./mmBtu of actual heat input*.

*The emission limitations outlined above for PE/PM10/PM2.5, NOx, CO, and VOC are based on the emissions unit's potential to emit (PTE). Therefore, no records are required to demonstrate compliance with these limitations.

e. The requirements of 40 CFR Part 63, Subpart DDDDD are currently effective due to the January 9, 2012 decision by the United States District Court for the District of Columbia to vacate the administrative stay that U.S. EPA put in place during the reconsideration of the March, 2011 final rules. On February 7, 2012, U.S. EPA issued a "No Action Assurance" letter to facilities and indicated that U.S. EPA will exercise its enforcement discretion to not pursue enforcement action of violations of the Initial Notification deadlines established in the rule. This letter further notes that U.S. EPA has proposed revisions to the compliance dates for all units (the date by which a unit must be in compliance with the substantive requirements in the Boiler MACT rule) and to the subcategories for some units.

f. Each continuous NOx monitoring system shall be certified to meet the requirements of 40 CFR Part 60, Appendix B, Performance Specification 2. At least 45 days before commencing certification testing of the continuous NOx monitoring system(s), the permittee shall develop and maintain a written quality assurance/quality control plan designed to ensure continuous valid and representative readings of NOx emissions from the continuous monitor(s), in units of the applicable standard(s). The plan shall follow the requirements of 40 CFR Part 60, Appendix F. The quality assurance/quality control plan and a logbook dedicated to the continuous NOx monitoring system must be kept on site and available for inspection during regular office hours.

The plan shall include the requirement to conduct quarterly cylinder gas audits or relative accuracy audits as required in 40 CFR Part 60; and to conduct relative accuracy test audits in units of the standard(s), in accordance with and at the frequencies required per 40 CFR Part 60.

g. The continuous emission monitoring system consists of all the equipment used to acquire data to provide a record of emissions and includes the sample extraction and transport hardware, sample conditioning hardware, analyzers, and data recording/processing hardware and software.

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

i. Compliance with OAC rule 3745-31-05(A)(3) shall be demonstrated by the use of natural gas or No. 2 fuel oil, an annual No. 2 fuel usage limitation, the fuel oil sulfur content limitation, the use of low-NOx burners, the visible emission limitation, and compliance with the mass emission limitations.

j. 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.

Permit to Install P0109917 for this air contaminant source takes into account the following voluntary restriction (including the use of any applicable air pollution control equipment) as proposed by the permittee for the purpose of avoiding Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3):

i. Only natural gas and/or No. 2 fuel oil shall be combusted in this emissions unit;

ii. The sulfur content of the No. 2 fuel oil shall be limited to 0.05 percent, by weight; and

iii. The amount of No. 2 fuel oil used in a 12 month period shall be limited as provided in operational restriction c)(1) of this permit.

k. Each continuous O_2 monitoring system shall be certified to meet the requirements of 40 CFR Part 60, Appendix B, Performance Specification 3. At least 45 days before commencing certification testing of the continuous O_2 monitoring system(s), the permittee shall develop and maintain a written quality assurance/quality control plan designed to ensure continuous valid and representative readings of O_2 emissions from the continuous monitor(s), in units of the applicable standard(s). The plan shall follow the requirements of 40 CFR Part 60, Appendix F. The quality assurance/quality control plan and a logbook dedicated to the continuous O_2 monitoring system must be kept on site and available for inspection during regular office hours.

The plan shall include the requirement to conduct quarterly cylinder gas audits or relative accuracy audits as required in 40 CFR Part 60; and to conduct relative accuracy test audits in units of the standard(s), in accordance with and at the frequencies required per 40 CFR Part 60.

c) Operational Restrictions

(1) The maximum annual fuel oil usage for this emissions unit shall not exceed 803,000 gallons, based upon a rolling, 12-month summation of fuel oil usage.

a. 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 usage levels specified in the following table:

Month(s)	Maximum Allowable Cumulative Usage of fuel oil
1	66,917
1-2	133,833
1-3	200,750
1-4	267,667

1-5	334,583
1-6	401,500
1-7	468,417
1-8	535,333
1-9	602,250
1-10	669,167
1-11	736,083
1-12	803,000

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

(2) The quality of the oil burned in this emissions unit shall meet a sulfur content that is sufficient to comply with the allowable sulfur dioxide emission limitation specified in this permit, and shall not exceed a maximum sulfur content of 0.05 percent by weight.

(3) The permittee shall operate and maintain low-NOx burners, at all times when operating this emissions unit, for the combustion of natural gas and No. 2 fuel oil, that comply with the NOx heat input emission limitations listed in b)(2)c. and b)(2)d.

(4) The permittee shall burn only natural gas or No. 2 fuel oil in this emissions unit.

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:

Alternative 1:

For each shipment of oil received for burning in this emission, 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.

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 diesel fuel 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 diesel fuel 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 monthly records of the following information:

a. the fuel oil usage for each month; and

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 figures.

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 for each calendar month.

(3) The permittee shall calculate and maintain monthlyrecords of the PM2.5emissions and the rolling, 12-monthemissions of PM2.5.

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

(5) Prior to the installation of the continuous NOx monitoring system, the permittee shall submit information detailing the proposed location of the sampling site in accordance with the siting requirements in 40 CFR Part 60, Appendix B, Performance Specification 2. The Ohio EPA, Central Office shall approve the proposed sampling site and certify that the continuous NOx monitoring system meets the requirements of Performance Specification 2. Once received, the letter/document of certification shall be maintained on-site and shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon request.

(6) The permittee shall install, operate, and maintain equipment to continuously monitor and record NOx emissions from this emissions unit in units of the applicable standard(s).

The continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.

The permittee shall maintain records of all data obtained by the continuous NOx monitoring system including, but not limited to:

a. emissions of NOx in parts per million for each cycle time of the analyzer, with no resolution less than one data point per minute required;

b. emissions of NOx in units of the applicable standard(s) in the appropriate averaging period;

c. results of quarterly cylinder gas audits;

d. results of daily zero/span calibration checks and the magnitude of manual calibration adjustments;

e. results of required relative accuracy test audit(s), including results in units of the applicable standard(s);

f. hours of operation of the emissions unit, continuous NOx monitoring system, and control equipment;

g. the date, time, and hours of operation of the emissions unit without the control equipment and/or the continuous NOx monitoring system;

h. the date, time, and hours of operation of the emissions unit during any malfunction of the control equipment and/or the continuous NOx monitoring system; as well as,

i. the reason (if known) and the corrective actions taken (if any) for each such event in (g) and (h).

All valid data points generated and recorded by the continuous emission monitoring and data acquisition and handling system shall be used in the calculation of the pollutant concentration and/or emission rate over the appropriate averaging period.

(7) See 40 CFR Part 63, Subpart DDDDD (40 CFR 63.7480-7575) for applicable monitoring and record keeping requirements.

(8) See 40 CFR Part 63, Subpart JJJ (40 CFR 63.1310-1336) for applicable monitoring and record keeping requirements.

(9) Prior to the installation of the continuous O_2 monitoring system, the permittee shall submit information detailing the proposed location of the sampling site in accordance with the siting requirements in 40 CFR Part 60, Appendix B, Performance Specification 3. The Ohio EPA, Central Office shall approve the proposed sampling site and certify that the continuous O_2 monitoring system meets the requirements of Performance Specification 3. Once received, the letter/document of certification shall be maintained on-site and shall be made available to the Director (the appropriate Ohio EPA District Office or local air agency) upon request.

(10) The permittee shall operate and maintain equipment to continuously monitor and record O_2 emitted from this emissions unit in percent O_2. The continuous monitoring and recording equipment shall comply with the requirements specified in 40 CFR Part 60.

The permittee shall maintain records of all data obtained by the continuous O_2 monitoring system including, but not limited to:

a. the percent O_2 with each cycle time of the analyzer, with no resolution less than one data point per minute required;

b. results of quarterly cylinder gas audits;

c. results of daily zero/span calibration checks and the magnitude of manual calibration adjustments;

d. results of required relative accuracy test audit(s);

e. hours of operation of the emissions unit, continuous O_2 monitoring system;

f. the date, time, and hours of operation of the emissions unit without the continuous O_2 monitoring system;

g. the date, time, and hours of operation of the emissions unit during any malfunction of the continuous O_2 monitoring system; as well as,

h. the reason (if known) and the corrective actions taken (if any) for each such event in (f) and (g).

All valid data points generated and recorded by the continuous emission monitoring and data acquisition and handling system shall be used in the calculation of the pollutant concentration and/or emission rate over the appropriate averaging period.

e) Reporting Requirements

(1) The permittee shall submit quarterly deviation (excursion) reports that identify all exceedances of the rolling, 12-month limitation on fuel oil usage; and for the first 12 calendar months of operation or the first 12 calendar months following the issuance of this permit, all exceedances of the maximum allowable cumulative fuel oil usage levels for this emissions unit.

These reports are due by the date described in Part 1 - General Terms and Conditions of this permit.

(2) The permittee shall notify the director (the appropriate District Office or local air agency) in writing of any record which shows a deviation from the allowable sulfur dioxide emission limitation contained in this permit, based upon the sulfur dioxide emission rates for shipment of oil, calculated in accordance with the formula specified in OAC rule 3745-18-04(F). The notification shall include a copy of such record and shall be sent to the director (the appropriate District Office or local air agency) within 45 days after the deviation occurs.

(3) The permittee shall submit deviation (excursion) reports that identify each day when a fuel other than natural gas and/or No. 2 fuel oil was burned in this emissions unit. Each report shall be submitted within 30 days after the deviation occurs.

(4) The permittee shall comply with the following quarterly reporting requirements for the emissions unit and its continuous NOx monitoring system:

a. Pursuant to the monitoring, record keeping, and reporting requirements for continuous monitoring systems contained in 40 CFR 60.7 and 60.13(h) and the requirements established in this permit, the permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency, documenting all instances of NOx emissions in excess of any applicable limit specified in this permit, 40 CFR Part 60, OAC Chapters 3745-14 and 3745-23, and any other applicable rules or regulations. The report shall document the date, commencement and completion times, duration, and magnitude of each exceedance, as well as the reason (if known) and the corrective actions taken (if any) for each exceedance. Excess emissions shall be reported in units of the applicable standard(s).

b. These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall include the following:

i. the facility name and address;

ii. the manufacturer and model number of the continuous NOx and other associated monitors;

iii. a description of any change in the equipment that comprises the continuous emission monitoring system (CEMS), including any change to the hardware, changes to the software that may affect CEMS readings, and/or changes in the location of the CEMS sample probe;

iv. the excess emissions report (EER)*, i.e., a summary of any exceedances during the calendar quarter, as specified above;

v. the total NOx emissions for the calendar quarter (tons);

vi. the total operating time (hours) of the emissions unit;

vii. the total operating time of the continuous NOx monitoring system while the emissions unit was in operation;

viii. results and dates of quarterly cylinder gas audits;

ix. unless previously submitted, results and dates of the relative accuracy test audit(s), including results in units of the applicable standard(s), (during appropriate quarter(s));

x. unless previously submitted, the results of any relative accuracy test audit showing the continuous NOx monitor out-of-control and the compliant results following any corrective actions;

xi. the date, time, and duration of any/each malfunction** of the continuous NOx monitoring system, emissions unit, and/or control equipment;

xii. the date, time, and duration of any downtime** of the continuous NOx monitoring system and/or control equipment while the emissions unit was in operation; and

xiii. the reason (if known) and the corrective actions taken (if any) for each event in (b)(xi) and (xii).

Each report shall address the operations conducted and data obtained during the previous calendar quarter.

* where no excess emissions have occurred or the continuous monitoring system(s) has/have not been inoperative, repaired, or adjusted during the calendar quarter, such information shall be documented in the EER quarterly report

** each downtime and malfunction event shall be reported regardless if there is an exceedance of any applicable limit.

(5) Pursuant to the NSPS, the source owner/operator is hereby advised of the requirement to report the following at the appropriate times:

a. construction date (no later than 30 days after such date);

b. actual start-up date (within 15 days after such date), including a description of each affected emissions unit, equipment manufacturer, and serial number of the equipment if available; and

c. date of performance testing (if required, at least 30 days prior to testing).

Reports are to be sent to:

Southwest Ohio Air Quality Agency
250 William Howard Taft Road
Cincinnati, Ohio 45219

(6) The permittee shall submit quarterly deviation (excursion) reports that identify the following:

allexceedances of the rolling, 12-month emission limitation for PM2.5.

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

(7) See 40 CFR Part 63, Subpart DDDDD (40 CFR 63.7480-7575) for applicable reporting requirements.

(8) See 40 CFR Part 63, Subpart JJJ (40 CFR 63.1310-1336) for applicable reporting requirements.

(9) 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.

(10) The permittee shall comply with the following quarterly reporting requirements for the emissions unit and its continuous O_2 monitoring system:

a. Pursuant to the monitoring, record keeping, and reporting requirements for continuous monitoring systems contained in 40 CFR Parts 60.7 and 60.13(h) and the requirements established in this permit, the permittee shall submit reports within 30 days following the end of each calendar quarter to the appropriate Ohio EPA District Office or local air agency, documenting all instances of continuous O_2 monitoring system downtime and malfunction while the emissions unit was on line.

b. These quarterly reports shall be submitted by January 30, April 30, July 30, and October 30 of each year and shall include the following:

i. the facility name and address;

ii. the manufacturer and model number of the continuous O_2 and other associated monitors;

iii. a description of any change in the equipment that comprises the continuous emission monitoring system (CEMS), including any change to the hardware, changes to the software that may affect CEMS readings, and/or changes in the location of the CEMS sample probe;

iv. the total operating time (hours) of the emissions unit;

v. the total operating time of the continuous O_2 monitoring system while the emissions unit was in operation;

vi. results and dates of quarterly cylinder gas audits;

vii. unless previously submitted, results and dates of the relative accuracy test audit(s) (during appropriate quarter(s));

viii. unless previously submitted, the results of any relative accuracy test audit showing the continuous O_2 monitor out-of-control and the compliant results following any corrective actions;

ix. the date, time, and duration of any/each malfunction* of the continuous O_2 monitoring system while the emissions unit was in operation;

x. the date, time, and duration of any downtime* of the continuous O_2 monitoring system while the emissions unit was in operation; and

xi. the reason (if known) and the corrective actions taken (if any) for each event in (b)(ix) and (x).

Each report shall address the operations conducted and data obtained during the previous calendar quarter.

* each downtime and malfunction event shall be reported regardless if there is an exceedance of any applicable limit

f) Testing Requirements

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

a. Emission Limitation:

Visible particulate emissions from any stack shall not exceed 20 percent opacity, as a six-minute average, except as specified by rule.

Applicable Compliance Method:

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

No visible emission observations are specifically required to demonstrate compliance with the these emission limitations but, if appropriate, may be required pursuant to OAC rule 3745-15-04(A).

b. Emission Limitations:

Particulate emissions (PE), Particulate Matter 10 microns or less in diameter (PM10) and Particulate Matter 2.5 microns or less in diameter shall not exceed 0.0076 lb./mmBtu of actual heat input when burning natural gas; and

PE/PM10/PM2.5 emissions shall not exceed 0.026 lb./mmBtu of actual heat input when burning No. 2 fuel oil.

Applicable Compliance Method when burning natural gas:

Compliance may be determined by multiplying the hourly gas burning capacity of the emissions unit (138 thousand cubic feet per hour) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-2 (revised 7/98) emission factor of 7.6 lbs. of PE/PM10/PM2.5 per million cubic feet, and then dividing by the maximum hourly heat input capacity of the emissions unit (126.7 mmBtu/hr.).

Applicable Compliance Method when burning No. 2 fuel oil:

Compliance may be determined by multiplying the maximum fuel oil capacity of the emissions unit (917 gallons/hr.) by the AP-42, Fifth Edition, Section 1.3, Table 1.3-1 (revised 5/10) emission factor of 3.3 lbs. of PE/PM10/PM2.5 per 1000 gallons, and then dividing by the maximum hourly heat input capacity of the emissions unit (126.7 mmBtu/hr.).

If required the permittee shall demonstrate compliance with the lb/MMBtu emission limitations in accordance with USEPA reference Method 1-5 of 40 CFR, Part 60, Appendix A.

c. Emission Limitations:

SO2 emissions shall not exceed 0.0006 lb/MMBtu of actual heat input when burning natural gas; and

SO2 emissions shall not exceed 0.056 lb/MMBtu of actual heat input when burning No. 2 fuel oil.

Applicable Compliance Method when burning natural gas:

Compliance may be determined by multiplying the hourly gas burning capacity of the emissions unit (138 thousand cubic feet per hour) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-2 (revised 7/98) emission factor of 0.6 lb. of SO2/million cubic feet, and then dividing by the maximum hourly heat input capacity of the emissions unit (126.7 mmBtu/hr.).

Applicable Compliance Method when burning No. 2 fuel oil:

Compliance with the allowable sulfur dioxide emission limitation shall be demonstrated by documenting that the calculated sulfur dioxide emission rate for each shipment of oil received during each calendar month meets the sulfur dioxide emission limitation.

If required, the permittee shall demonstrate compliance with the lb/MMBtu emission limitations in accordance with USEPA reference Method 6, Method 6A, Method 6B, or Method 6C, whichever is appropriate, of 40 CFR, Part 60, Appendix A.

d. Emission Limitations:

NOx emissions shall not exceed 0.10 lb./mmBtu of actual heat input when burning natural gas; and

NOx emissions shall not exceed 0.12 lb./mmBtu of actual heat input when burning No. 2 fuel oil.

Applicable Compliance Method when burning natural gas or No. 2 fuel oil:

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

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 the emissions unit .

The emission testing shall be conducted to demonstrate compliance with the allowable mass emission rate(s) for NOx, in the appropriate averaging period(s).

The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission rate(s):

Method 7 of 40 CFR Part 60, Appendix A

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

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 appropriate Ohio EPA District Office or local air agency. 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.

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

Personnel from the appropriate Ohio EPA District Office or local air agency shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency 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 appropriate Ohio EPA District Office or local air agency.

Within 60 days of the effective date of this permit, the permittee shall conduct certification tests of the continuous NOx monitoring system in units of the applicable standard(s) to demonstrate compliance with 40 CFR Part 60, Appendix B, Performance Specifications 2; and ORC section 3704.03(I).

Personnel from the Ohio EPA Central Office and the appropriate Ohio EPA District Office or local air agency shall be notified 30 days prior to initiation of the applicable tests and shall be permitted to examine equipment and witness the certification tests. Two copies of the test results shall be submitted to Ohio EPA, one copy to the appropriate Ohio EPA District Office or local air agency and one copy to Ohio EPA Central Office, and pursuant to OAC rule 3745-15-04, within 30 days after the test is completed.

Certification of the continuous NOx monitoring system shall be granted upon determination by the Ohio EPA, Central Office that the system meets the requirements of 40 CFR Part 60, Appendix B, Performance Specifications 2; and ORC section 3704.03(I).

Within 60 days of the effective date of this permit, the permittee shall conduct certification tests of the continuous O_2 monitoring system to demonstrate compliance with 40 CFR Part 60, Appendix B, Performance Specification 3 and ORC section 3704.03(I).

Certification of the continuous O_2 monitoring system shall be granted upon determination by the Ohio EPA, Central Office that the system meets the requirements of 40 CFR Part 60, Appendix B, Performance Specifications 3 and ORC section 3704.03(I).

Ongoing compliance with the O_2 monitoring requirements contained in this permit, 40 CFR Part 60, and any other applicable standard(s) shall be demonstrated through the data collected as required in the Monitoring and Record keeping Section of this permit; and demonstration of compliance with the quality assurance/quality control plan, which shall meet all of the testing and recertification requirements of 40 CFR Part 60.

e. Emission Limitations:

CO emissions shall not exceed 0.084 lb./mmBtu of actual heat input when burning natural gas; and

CO emissions shall not exceed 0.040 lb./mmBtu of actual heat input when burning No. 2 fuel oil.

Applicable Compliance Method when burning natural gas:

Compliance may be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (138 thousand cubic feet per hour) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-1 (revised 7/98) emission factor of 84 lbs. of CO/ million cubic feet of natural gas, and then dividing by the maximum hourly heat input capacity of the emissions unit (126.7 mmBtu/hr.).

Applicable Compliance Method when burning No. 2 fuel oil:

Compliance may be determined by multiplying the maximum fuel oil capacity of the emissions unit (917 gallons/hr.) by the AP-42, Fifth Edition, Section 1.3, Table 1.3-1 (revised 5/10) emission factor of 5 lbs. of CO/1000 gallons of fuel oil and then dividing by the maximum hourly heat input capacity of the emissions unit (126.7 mmBtu/hr.).

If required, the permittee shall demonstrate compliance with the lb./mmBtu emission limitation in accordance with Method 10, 40 CFR, Part 60, Appendix A.

f. Emission Limitations:

VOC emissions shall not exceed 0.0055 lb./mmBtu of actual heat input when burning natural gas; and

VOC emissions shall not exceed 0.002 lb. of VOC/mmBtu of actual heat input when burning No. 2 fuel oil.

Applicable Compliance Method when burning natural gas:

Compliance may be determined by multiplying the maximum hourly gas burning capacity of the emissions unit (138 thousand cubic feet per hour) by the AP-42, Fifth Edition, Section 1.4, Table 1.4-2 (revised 7/98) emission factor of 5.50 lbs. of VOC/million cubic feet of natural gas, and then dividing by the maximum hourly heat input capacity of the emissions unit (126.7 mmBtu/hr.).

Applicable Compliance Method when burning No. 2 fuel oil:

Compliance may be determined by multiplying the maximum fuel oil capacity of the emissions unit (917 gallons/hr.) by the AP-42, Fifth Edition, Section 1.3, Table 1.3-3 (revised 5/10) emission factor of 0.20 lb. of VOC/1000 gallons of fuel oil and then dividing by the maximum hourly heat input capacity of the emissions unit (126.7 mmBtu/hr.).

If required, the permittee shall demonstrate compliance with the lb/mmBtu limitations in accordance with Method 25, 40 CFR, Part 60, Appendix A.

g. Emission Limitations:

Particulate emissions (PE) and particulate matter 10 microns or less in diameter (PM10) shall not exceed 5.54 tons per year (TPY).

Sulfur Dioxide (SO2) emissions shall not exceed 3.18 TPY.

Volatile Organic Compound (VOC) emissions shall not exceed 3.13 TPY.

Applicable Compliance Method:

For PE/PM10:

Compliance with the annual emission limitation may be demonstrated by multiplying the lb. of PE/PM10 mmBtu value by the maximum rated heat input capacity of the emissions unit (in mmBtu/hr.), then multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.

For SO2:

Compliance with the annual emission limitation shall be determined by multiplying the annual average lb. of SO2/mmBtu value by the annual average heat content and the total gallons on No. 2 fuel oil burned, and then dividing by 2000 lbs/ton.

For VOC:

Compliance with the annual emission limitation may be demonstrated by multiplying the lb. of VOC/mmBtu value by the maximum rated heat input capacity of the emissions unit (in mmBtu/hr.), then multiplying by 8760 hrs/yr and dividing by 2000 lbs/ton.

h. Emission Limitation:

The emissions of PM2.5 from this emissions unit shall not exceed 5.54 tons per year, based upon a rolling, 12-month summation of the monthly emissions.

Applicable Compliance Method:

Compliance shall be determined by the record keeping requirements specified in d)(3).

i. Emission Limitation:

The maximum annual No. 2 fuel oil usage rate for this emissions unit shall not exceed 803,000 gallons per year, as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance with the No. 2 fuel oil usage restriction shall be determined by the record keeping requirements specified in d)(2).

(2) Compliance with the sulfur content limitation for No. 2 fuel oil specified in shall be determined by the record keeping requirements specified in d)(1).

(3) See 40 CFR Part 63, Subpart DDDDD (40 CFR 63.7480-7575) for applicable testing requirements.

(4) See 40 CFR Part 63, Subpart JJJ (40 CFR 63.1310-1336) for applicable testing requirements.

g) Miscellaneous Requirements

(1) None.