

John R. Kasich, Governor  
Mary Taylor, Lt. Governor  
Scott J. Nally, Director

12/30/2013

Certified Mail

Mr. Roger Brown  
Chrysler Group LLC- Wrangler Paint Facility  
4400 Chrysler Drive  
Toledo, OH 43608

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL  
Facility ID: 0448011731  
Permit Number: P0115719  
Permit Type: Administrative Modification  
County: Lucas

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

Dear Permit Holder:

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

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

**How to appeal this permit**

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

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

## **How to save money, reduce pollution and reduce energy consumption**

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. Additionally, all or a portion of the capital expenditures related to installing air pollution control equipment under this permit may be eligible for financing and State tax exemptions through the Ohio Air Quality Development Authority (OAQDA) under Ohio Revised Code Section 3706. For more information, see the OAQDA website: [www.ohioairquality.org/clean\\_air](http://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](http://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](http://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 Toledo Department of Environmental Services at (419)936-3015 or the Office of Compliance Assistance and Pollution Prevention at (614) 644-3469.

Sincerely,



Michael W. Ahern, Manager

Permit Issuance and Data Management Section, DAPC

Cc: U.S. EPA  
TDES; Michigan; Indiana; Canada



**FINAL**

**Division of Air Pollution Control  
Permit-to-Install  
for  
Chrysler Group LLC- Wrangler Paint Facility**

Facility ID:	0448011731
Permit Number:	P0115719
Permit Type:	Administrative Modification
Issued:	12/30/2013
Effective:	12/30/2013





**Division of Air Pollution Control**  
**Permit-to-Install**  
for  
Chrysler Group LLC- Wrangler Paint Facility

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## Authorization

Facility ID: 0448011731  
Facility Description: Paint Shop portion of Automotive and Light Duty Truck Assembly  
Application Number(s): M0002452  
Permit Number: P0115719  
Permit Description: Administrative modification to remove emission limits and reference to fuel oil (these emissions units were never installed with the capability to use fuel oil).  
Permit Type: Administrative Modification  
Permit Fee: \$400.00  
Issue Date: 12/30/2013  
Effective Date: 12/30/2013

This document constitutes issuance to:

Chrysler Group LLC- Wrangler Paint Facility  
3800 Stickney Avenue  
Toledo, OH 43608

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

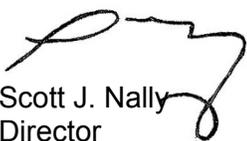
Ohio Environmental Protection Agency (EPA) District Office or local air agency responsible for processing and administering your permit:

Toledo Department of Environmental Services  
348 South Erie Street  
Toledo, OH 43604  
(419)936-3015

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



**Final Permit-to-Install**  
Chrysler Group LLC- Wrangler Paint Facility  
**Permit Number:** P0115719  
**Facility ID:** 0448011731  
**Effective Date:** 12/30/2013

## Authorization (continued)

Permit Number: P0115719

Permit Description: Administrative modification to remove emission limits and reference to fuel oil (these emissions units were never installed with the capability to use fuel oil).

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

<b>Emissions Unit ID:</b>	<b>B301</b>
Company Equipment ID:	Boiler #1 Burner
Superseded Permit Number:	04-01358
General Permit Category and Type:	Not Applicable
<b>Emissions Unit ID:</b>	<b>B304</b>
Company Equipment ID:	Boiler #2 Burner
Superseded Permit Number:	04-01358
General Permit Category and Type:	Not Applicable



**Final Permit-to-Install**  
Chrysler Group LLC- Wrangler Paint Facility  
**Permit Number:** P0115719  
**Facility ID:** 0448011731  
**Effective Date:** 12/30/2013

## **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 Toledo Department of Environmental Services.



- (2) Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the Toledo Department of Environmental Services. The written reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See A.15. below if no deviations occurred during the quarter.
  - (3) Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted to the Toledo Department of Environmental Services 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 Toledo Department of Environmental Services in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to OAC rule 3745-15-06.

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

## **6. Compliance Requirements**

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



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

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

- b) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
  - (1) At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
  - (2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
  - (3) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
  - (4) As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- c) The permittee shall submit progress reports to the Toledo Department of Environmental Services 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 Toledo Department of Environmental Services.
- 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 Toledo Department of Environmental Services. If no deviations occurred during a calendar quarter, the permittee shall submit a quarterly report, which states that no deviations occurred during that quarter. The reports shall be submitted quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. (These quarterly reports shall exclude deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06.)

**10. Applicability**

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

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

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



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

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

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

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

## **12. Permit-To-Operate Application**

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



**13. Construction Compliance Certification**

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

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

**14. Public Disclosure**

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

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

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

**16. Fees**

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

**17. Permit Transfers**

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

**18. Risk Management Plans**

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

**19. Title IV Provisions**

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



**Final Permit-to-Install**  
Chrysler Group LLC- Wrangler Paint Facility  
**Permit Number:** P0115719  
**Facility ID:** 0448011731  
**Effective Date:** 12/30/2013

## **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. Facility-wide restrictions on natural gas combustion established under the authority of OAC rule 3745-31-05(D) and OAC rules 3745-31-10 thru 27 in PTI 04-01358 as issued Sept 9, 2004 and modified by this permitting action and supersedes the facility-wide terms of B.2. in PTI P0112944 issued February 20, 2013:
  - a) Applicable Emissions Limitations:
    - (1) The emissions from the combustion of natural gas in B301, B303 through B310, K301, K302 and K303 shall not exceed the following:
      - (a) 35.49 tons of CO per rolling, 12-month period,
      - (b) 21.13 tons of NOx per rolling, 12-month period,
      - (c) 0.81 ton of PE per rolling, 12-month period,
      - (d) 3.22 tons of PM10 per rolling, 12-month period,
      - (e) 0.26 ton of SO2 per rolling, 12-month period, and
      - (f) 2.33 tons of VOC per rolling, 12-month period.
    - (2) These emission limitations were established for PTI purposes to reflect the potential to emit for this emissions unit while combusting a maximum 845 mmscf per year of natural gas. Therefore, if compliance is shown with the fuel usage limitations, compliance shall also be shown with the annual emission limitations.
  - b) Operational Restrictions
    - (1) The maximum annual natural gas usage for emissions units B301, B303 through B310, K301, K302 and K303 shall not exceed 845 mmscf, based upon a rolling, 12 month summation of the natural gas usage figures.
    - (2) This facility has been in operation for more than 12 months and, as such, the permittee has existing records to generate the rolling, 12-month summation of the natural gas and fuel oil usage figures, upon issuance of this permit.
  - c) Monitoring and/or Recordkeeping Requirements
    - (1) The permittee shall properly install, operate, and maintain equipment to monitor the total quantity of natural gas (in cubic feet) burned in all emissions units located at the paint shop facility. The monitoring equipment shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s) with any amendments deemed necessary by the permittee.



- (2) The permittee shall maintain monthly records of the total quantity of natural gas (in cubic feet per month) burned in B301, B303 through B310, K301, K302 and K303.
- (3) The permittee shall maintain monthly records of the rolling, 12-month total quantity of natural gas (in cubic feet per rolling, 12-month period) burned in B301, B303 through B310, K301, K302 and K303.

d) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports that include an identification of all exceedances of the rolling, 12-month natural gas usage limitation, and the actual cumulative quantity of fuel burned for each such month.
- (2) The deviation reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.
- (3) 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.

e) Testing Requirements

- (1) Compliance with the Emissions Limitations specified in section 2.a) of these terms and conditions shall be determined in accordance with the following methods:

(a) Emission Limitation:

35.49 tons of CO per rolling, 12-month period

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for emissions units B301, B303 through B310, K301, K302 and K303. Compliance may be demonstrated through calculations performed as follows: multiply the natural gas emission factor specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1, dated 7/98 (84 pounds of CO per million standard cubic), by the maximum fuel usage rate (845 mmscf per year), and then divide by 2,000 pounds per ton.

(b) Emission Limitation:

21.13 tons of NOx per rolling, 12-month period

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for emissions units B301, B303 through B310, K301, K302 and K303. Compliance may be demonstrated through calculations performed as follows: multiply the natural gas emission factor specified in USEPA reference document AP-42, Fifth



Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1, dated 7/98 (50 pounds of NO<sub>x</sub> emissions per million standard cubic feet), by the maximum fuel usage rate (845 mmscf per year), and then divide by 2,000 pounds per ton.

(c) Emission Limitation:

0.81 ton of PE per rolling, 12-month period

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for emissions units B301, B303 through B310, K301, K302 and K303. Compliance may be demonstrated through calculations performed as follows: multiply the natural gas emission factor specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2, dated 7/98 (1.9 pounds of PE per million standard cubic feet), by the maximum fuel usage rate (845 mmscf per year), and then divide by 2,000 pounds per ton.

(d) Emission Limitation:

3.22 tons of PM<sub>10</sub> per rolling, 12-month period

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for emissions units B301, B303 through B310, K301, K302 and K303. Compliance may be demonstrated through calculations performed as follows: multiply the natural gas emission factor specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2, dated 7/98 (7.6 pounds of PM<sub>10</sub> per million standard cubic feet), by the maximum fuel usage rate (845 mmscf per year), and then divide by 2,000 pounds per ton.

(e) Emission Limitation:

0.26 ton of SO<sub>2</sub> per rolling, 12-month period

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for emissions units B301, B303 through B310, K301, K302 and K303. Compliance may be demonstrated through calculations performed as follows: multiply the natural gas emission factor specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2, dated 7/98 (0.6 pound of SO<sub>2</sub> emissions per million standard cubic feet), by the maximum fuel usage rate (845 mmscf per year), and then divide by 2,000 pounds per ton.



(f) Emission Limitation:

2.33 tons of VOC per rolling, 12-month period.

Applicable Compliance Method:

This emission limitation was established to reflect the potential to emit for emissions units B301, B303 through B310, K301, K302 and K303. Compliance may be demonstrated through calculations performed as follows: multiply the natural gas emission factor specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-2, dated 7/98 (5.5 pounds of VOC emissions per million standard cubic feet), by the maximum fuel usage rate (845 mmscf per year), and then divide by 2,000 pounds per ton.

3. The following emission units contained in this permit are subject to 40 CFR Part 60, Subpart Dc: B301 and B302. The complete NSPS requirements, including the General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website <http://ecfr.gov> or by contacting the appropriate Ohio EPA District Office or local air agency.
4. The permittee shall comply with the applicable provisions of the National Emissions Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters, as promulgated by the United States Environmental Protection Agency under 40 CFR Part 63, Subpart DDDDD. The final rules found in 40 CFR Part 63, Subpart DDDDD establish national emission standards for hazardous air pollutants (NESHAP), operational limits, work practice standards, and compliance requirements for industrial, commercial, and institutional boilers located at a major source of hazardous air pollutants (HAP). The permittee shall comply with the requirements and limits of this NESHAP for the facility's new (commenced construction after 6/4/10) boilers by January 31, 2013, or upon startup, whichever is later; and the facility's existing boilers shall be in compliance with 40 CFR Part 63, Subpart DDDDD no later than January 31, 2016.
5. The terms in this permit identify the requirements of the National Emissions Standards for Hazardous Air Pollutants (NESHAP) contained in 40 CFR Part 63, Subpart DDDDD and are meant to help the permittee maintain compliance with this NESHAP. The requirements of this Subpart apply to the facility's boilers and process heaters according to their applicable subcategory, as identified in 40 CFR 63.7499 and as defined in 40 CFR 63.7575.
6. The following boiler(s) is/are designed to only burn gas 1 fuels (subcategory) and therefore is/are not subject to the emission limits in Table 2 of the subpart or the operating limits in Table 4 to the subpart. However, the boiler(s) is/are subject to tune-ups requirements, conducted in accordance with 40 CFR 63.7540(a)(10)(i) through (vi) and Table 3 to the subpart; and the existing boilers must be included in the one-time energy assessment, performed in accordance with Table 3 #4 of the subpart:

B301 and B304



**Final Permit-to-Install**  
Chrysler Group LLC- Wrangler Paint Facility  
**Permit Number:** P0115719  
**Facility ID:** 0448011731  
**Effective Date:** 12/30/2013

## **C. Emissions Unit Terms and Conditions**



**1. B301, Boiler #1 Burner**

**Operations, Property and/or Equipment Description:**

20.4 mmBtu/hr natural gas boiler w/ low NOx burners and Flue gas recirculation

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	Carbon monoxide (CO) emissions shall not exceed 0.083 pound per mmBtu, 1.7 pounds per hour and 7.5 tons per year
		Nitrogen oxides (NOx) emissions shall not exceed 0.72 pound per hour and 3.16 tons per year
		Filterable particulate emissions (PE) shall not exceed 0.04 pound per hour and 0.18 ton per year
		Particulate matter emissions of less than or equal to 10 microns in diameter (PM <sub>10</sub> ) shall not exceed 0.15 pound per hour and 0.66 ton per year
		Sulfur dioxide (SO <sub>2</sub> ) emissions shall not exceed 0.0006 pound per mmBtu, 0.01 pound per hour and 0.05 ton per year
		Volatile organic compound (VOC) emissions shall not exceed 0.11 pound per hour and 0.5 ton per year
		see b)(2)a. through b)(2)c.
b.	OAC rule 3745-17-07(A)(1)	See b)(2)d.
c.	OAC rule 3745-17-10(B)(1)	See b)(2)d.
d.	OAC rule 3745-18-06(A)	See b)(2)e.
h.	OAC rule 3745-31-05(D)	See b)(2)f.
i.	OAC rule 3745-31-10 through 20	NOx shall not exceed 0.035 pound per mmBtu
		PE shall not exceed 0.0019 pound per mmBtu



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		PM10 shall not exceed 0.0075 pound per mmBtu
		See b)(2)g.
j.	OAC rule 3745-31-21 through 27	NOx shall not exceed 0.035 pound per mmBtu
		VOC shall not exceed 0.0054 pound per mmBtu
		See b)(2)h and b)(2)i.
k.	40 CFR Part 60, Subpart Dc (40 CFR 60.40c – 60.48c)	See b)(2)j.
l.	40 CFR Part 63, Subpart A (40 CFR 63.1-16)	See b)(2)k.
m.	40 CFR Part 63, Subpart DDDDD (40 CFR 63.7480-63.7575)  [In accordance with 40 CFR 63.7500(a)(1), this emissions unit is an existing boiler designed to burn natural gas located at a major source of hazardous air pollutants and subject to the work practice standard specified in this section.]	See b)(2)l. and b)(2)m.

(2) Additional Terms and Conditions

- a. Visible particulate emissions from any stack shall not exceed 5% opacity as a 6-minute average.
- b. The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(D), OAC rule 3745-31-10 through 27, 40 CFR Part 63, Subpart A and 40 CFR Part 63, Subpart DDDDD.
- c. The hourly and annual emission limitations above were established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with these limitations.
- 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).
- e. OAC rule 3745-18-06(A) does not establish sulfur dioxide emission limitations for the fuel burning equipment when this emissions unit employs only natural gas as fuel. However, OAC rule 3745-18-06(A) requires that the natural gas being combusted meet certain fuel quality restrictions (a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet). Because the natural gas burned in this emissions unit is the standard, pipeline quality natural gas supplied to industrial, commercial, and



residential users throughout the State, it is assumed that it meets the fuel quality restrictions; and no monitoring, record keeping or reporting requirements are necessary to ensure ongoing compliance with OAC rule 3745-18-06(A).

On September 1, 2003, OAC rule 3745-18-06 was revised to delete the following phrase: "having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pounds per million standard cubic feet". Therefore, this phrase is no longer part of the State regulations. However, that rule revision has not yet been submitted to the 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 3745-18-06, the requirements still exist as part of the federally-approved SIP for Ohio.

- f. The emissions from the combustion of natural gas in B301, B303 through B310, K301, K302 and K303, shall not exceed the following:
  - i. 35.49 tons of CO per rolling, 12-month period, and
  - ii. 0.26 ton of SO<sub>2</sub> per rolling, 12-month period.
- g. The emissions from the combustion of natural gas in B301, B303 through B310, K301, K302 and K303, shall not exceed:
  - i. 21.13 tons of NO<sub>x</sub> per rolling, 12-month period,
  - ii. 0.81 ton of PE per rolling, 12-month period, and
  - iii. 3.22 tons of PM<sub>10</sub> per rolling, 12-month period.
- h. The emissions from the combustion of natural gas in B301, B303 through B310, K301, K302 and K303 shall not exceed:
  - i. 21.13 tons of NO<sub>x</sub> per rolling, 12-month period, and
  - ii. 2.33 tons of VOC per rolling, 12-month period.
- i. Daimler Chrysler shall permanently shut down all emissions units at the Toledo South Assembly Plant (OEPA premise number 0448010413, emissions units B001, B002, B013, B014, B015, G001, K004, K007, K008, K009, K010, K021, K022, K024, K025, K026, K027, K028, K029, K030, K037, P021, P022, T006 & T007), upon startup of the units under this permit to install, in order to obtain the emissions offsets required by OAC rule 3745-31-26.
- j. The permittee shall comply with the applicable provisions of 40 CFR 60 Subpart Dc.
- k. The permittee shall meet the applicable requirements of the General Provision in Part 63 Subpart A as identified in Table 10 to the subpart.



- I. Following the initial compliance date, tune-ups must be conducted for each boiler within the applicable annual, biennial, or 5-year schedule as specified in 40 CFR 63.7500(c), (d), and (e), 40 CFR 63.7540(a)(10) through (13), and Table 3 to the subpart. An initial tune-up must be completed for an existing boiler no later than 1/31/16; unless the boiler is not in operation at this time, where a tune-up must be completed within 30 days after the re-start of the boiler.
  
- m. For each existing boiler a one-time energy assessment must be performed by a qualified energy assessor no later than 1/31/16. The one-time energy assessment for existing units must include the following:
  - i. a visual inspection of the boiler system;
  - ii. an evaluation of operating characteristics of the boiler systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints;
  - iii. an inventory of major energy use systems consuming energy from affected boilers, which are under the control of the boiler operator;
  - iv. a review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage;
  - v. a review of the facility's energy management practices and recommendations for improvements consistent with the definition of energy management practices, if identified;
  - vi. a list of cost-effective energy conservation measures that are within the permittee's control;
  - vii. a list of the energy savings potential of the energy conservation measures identified; and
  - viii. a comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping these investments.
  
- c) Operational Restrictions
  - (1) The permittee shall burn only natural gas in this emissions unit.
  
  - (2) The maximum annual natural gas usage for B301, B303 through B310, K301, K302 and K303, shall not exceed 845 mmscf, based upon a rolling, 12-month summation of the natural gas usage figures.

Compliance with the annual natural gas usage shall be based upon a rolling, 12-month summation of the monthly natural gas usage.
  
  - (3) See 40 CFR Part 60, Subpart Dc (40 CFR 60.40c – 60.48c).



(4) See 40 CFR Part 63, Subpart DDDDD (40 CFR 63.7480-63.7575).

d) Monitoring and/or Recordkeeping Requirements

- (1) 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.
- (2) The permittee shall properly operate and maintain equipment to monitor the total quantity of natural gas (in million cubic feet) burned while this emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s) with any amendments deemed necessary by the permittee.
- (3) The permittee shall maintain monthly records of the total quantity of natural gas (in million cubic feet per month) burned in this emissions unit.
- (4) The permittee shall maintain monthly records of the total CO, NO<sub>x</sub>, PE, PM<sub>10</sub>, SO<sub>2</sub> and VOC emissions in this emissions unit from burning natural gas. The emissions shall be calculated by multiplying by the total quantity of natural gas (in million cubic feet) burned in this emissions unit, by a heating value of 1020 mmBtu per mmscf, and by the respective emissions limitations (in pounds per mmBtu) established in b)(1). of this permit.
- (5) The permittee shall maintain monthly records of the rolling 12-month total quantity of natural gas (in cubic feet per rolling, 12-month period) burned in this emissions unit.
- (6) The permittee shall maintain monthly records of the total CO, NO<sub>x</sub>, PE, PM<sub>10</sub>, SO<sub>2</sub> and VOC emissions from this emissions unit, in tons as a rolling, 12-month summation.
- (7) The permittee shall maintain monthly records of the rolling 12-month total quantity of natural gas (in cubic feet per rolling, 12-month period) burned in B301, B303 through B310, K301, K302 and K303. These fuel usages shall be calculated as a summation of the fuel usage from B301, B303 through B310, K301, K302 and K303, as recorded in d) of each combustion process comprising this permit (i.e., B301, B303 through B310, K301, and K303).
- (8) The permittee shall maintain monthly records of the total CO, NO<sub>x</sub>, PE, PM<sub>10</sub>, SO<sub>2</sub> and VOC emissions from the combustion of natural gas in B301, B303 through B310, K301, K302 and K303, in tons as a rolling, 12-month summation. These emissions shall be calculated as a summation of the emissions from B301, B303 through B310, K301, K302 and K303, as recorded in d) of each combustion process (i.e., B301, B303 through B310, K301, K302 and K303.)
- (9) See 40 CFR Part 60, Subpart Dc (40 CFR 60.40c – 60.48c).
- (10) See 40 CFR Part 63, Subpart DDDDD (40 CFR 63.7480-63.7575).



e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit.
- (2) The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month of the calendar quarter during which the quantity of natural gas burned in B301, B303 through B310, K301, K302 and K303 exceeded the operational restrictions specified in c)(2), and the actual cumulative quantity of natural gas burned for each such month.
- (3) The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month of the calendar quarter during which the quantity of CO, NO<sub>x</sub>, PM<sub>10</sub>, SO<sub>2</sub> and/or VOC emissions from the combustion of natural gas in B301, B303 through B310, K301, K302 and K303 exceeded the emissions limitations specified in b)(2)f. through b)(2)h., and the actual cumulative quantity of CO, NO<sub>x</sub>, PM<sub>10</sub>, SO<sub>2</sub> and VOC for each such month.
- (4) The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.
- (5) 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.
- (6) See 40 CFR Part 60, Subpart Dc (40 CFR 60.40c – 60.48c).
- (7) See 40 CFR Part 63, Subpart DDDDD (40 CFR 63.7480-63.7575).

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 5% opacity as a 6-minute average  
  
Applicable Compliance Method:  
  
If required, compliance shall be demonstrated based upon visible particulate emission 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).
  - b. Emission Limitation:  
  
0.083 pound of CO per mmBtu



Applicable Compliance Method:

Compliance shall be demonstrated based upon an emission factor of 84 pounds of CO per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1, dated 7/98.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 10 of 40 CFR Part 60 Appendix A.

c. Emission Limitation:

1.7 pounds of CO per hour

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.083 pound of CO per mmBtu) by the maximum heat input of the burners (20.4 mmBtu per hour).

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 10 of 40 CFR Part 60 Appendix A.

d. Emission Limitation:

7.5 tons of CO per year.

Applicable Compliance Method:

This emission limitation was developed by multiplying the hourly allowable CO emission limitation (1.7 pounds per hour) by the maximum annual hours of operation (8760 hours per year), and then dividing by 2000 pounds per ton. Therefore, if compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

e. Emission Limitation:

0.035 pound of NO<sub>x</sub> per mmBtu

Applicable Compliance Method:

Compliance shall be determined through calculations based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-1 dated 7/98, as follows: divide the emission factor of 32 pounds of NO<sub>x</sub> emissions per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.



If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 7 of 40 CFR Part 60 Appendix A.

f. Emission Limitation:

0.72 pound of NO<sub>x</sub> per hour

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.035 pound of NO<sub>x</sub> per mmBtu) by the maximum heat input of the burners (20.4 mmBtu per hour).

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 7 of 40 CFR Part 60 Appendix A.

g. Emission Limitation:

3.16 tons of NO<sub>x</sub> per year

Applicable Compliance Method:

This emission limitation was developed by multiplying the hourly allowable NO<sub>x</sub> emission limitation (0.72 pounds per hour) by the maximum annual hours of operation (8760 hours per year), and then dividing by 2000 pounds per ton. Therefore, if compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

h. Emission Limitation:

0.0019 pound of PE per mmBtu

Applicable Compliance Method:

Compliance shall be determined through calculations based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 1.9 pounds of PE per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 5 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(9).



i. Emission Limitation:

0.04 pound of PE per hour

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.0019 pound of PE per mmBtu) by the maximum heat input of the burners (20.4 mmBtu per hour).

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 5 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(9).

j. Emission Limitation:

0.18 ton of PE per year

Applicable Compliance Method:

This emission limitation was developed by multiplying the hourly allowable PE emission limitation (0.04 pounds per hour) by the maximum annual hours of operation (8760 hours per year), and then dividing by 2000 pounds per ton. Therefore, if compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

k. Emission Limitation:

0.0075 pound of PM10 per mmBtu

Applicable Compliance Method:

Compliance shall be determined through calculations based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 7.6 pounds of PM10 per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

l. Emission Limitation:

0.15 pound of PM10 per hour



Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.0075 pound of PM10 per mmBtu) by the maximum heat input of the burners (20.4 mmBtu per hour).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

m. Emission Limitation:

0.66 ton of PM10 per year

Applicable Compliance Method:

This emission limitation was developed by multiplying the hourly allowable PM10 emission limitation (0.15 pound per hour) by the maximum annual hours of operation (8760 hours per year), and then dividing by 2000 pounds per ton. Therefore, if compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

n. Emission Limitation:

0.0006 pound of SO2 per mmBtu

Applicable Compliance Method:

Compliance shall be determined through calculations based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 0.6 pound of SO2 emissions per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 6 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-18-04.

o. Emission Limitation:

0.01 pound of SO2 per hour

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.0006 pound of SO2 per mmBtu) by the maximum heat input of the burners (20.4 mmBtu per hour).



If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 6 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-18-04.

p. Emission Limitation:

0.05 ton of SO<sub>2</sub> per year

Applicable Compliance Method:

This emission limitation was developed by multiplying the hourly allowable SO<sub>2</sub> emission limitation (0.01 pound per hour) by the maximum annual hours of operation (8760 hours per year), and then dividing by 2000 pounds per ton. Therefore, if compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

q. Emission Limitation:

0.0054 pound of VOC per mmBtu

Applicable Compliance Method:

Compliance shall be determined through calculations based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 5.5 pounds of VOC emissions per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 25 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-21-10.

r. Emission Limitation:

0.11 pound of VOC per hour

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.0054 pound of VOC per mmBtu) by the maximum heat input of the burners (20.4 mmBtu per hour).

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 25 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-21-10.



s. Emission Limitation:

0.5 ton of VOC per year

Applicable Compliance Method:

This emission limitation was developed by multiplying the hourly allowable VOC emission limitation (0.11 pound per hour) by the maximum annual hours of operation (8760 hours per year), and then dividing by 2000 pounds per ton. Therefore, if compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

t. Emission Limitation:

The combined emissions from the combustion of fuel oil and natural gas in B301, B303 through B310, K301, K302 and K303 shall not exceed the following:

35.49 tons of CO as a rolling, 12-month summation

21.13 tons of NO<sub>x</sub> as a rolling, 12-month summation

0.81 ton of PE as a rolling, 12-month summation

3.22 tons of PM<sub>10</sub> as a rolling, 12-month summation

0.26 ton of SO<sub>2</sub> as a rolling, 12-month summation

2.33 tons of VOC as a rolling, 12-month summation

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in B.2.c) and the emissions factors demonstrated in B.2.e) of the permit.

g) Miscellaneous Requirements

(1) None.



**2. B304, Boiler #2 Burner**

**Operations, Property and/or Equipment Description:**

20.4 mmBtu/hr, natural gas with low NOx burners and flue gas recirculation

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3)	Carbon monoxide (CO) emissions shall not exceed 0.083 pound per mmBtu, 1.7 pounds per hour, and 7.5 tons per year
		Nitrogen oxides (NOx) emissions shall not exceed 0.72 pound per hour and 3.16 tons per year
		Filterable particulate emissions (PE) shall not exceed 0.04 pound per hour and 0.18 ton per year
		Particulate matter emissions of less than or equal to 10 microns in diameter (PM <sub>10</sub> ) shall not exceed 0.15 pound per hour and 0.66 ton per year
		Sulfur dioxide (SO <sub>2</sub> ) emissions shall not exceed 0.0006 pound per mmBtu, 0.01 pound per hour and 0.05 ton year
		Volatile organic compound (VOC) emissions shall not exceed 0.11 pound per hour and 0.5 ton per year
		see b)(2)a. through b)(2)c
b.	OAC rule 3745-17-07(A)(1)	See b)(2)d.
c.	OAC rule 3745-17-10(B)(1)	See b)(2)d.
d.	OAC rule 3745-18-06(A)	See b)(2)e.
h.	OAC rule 3745-31-05(D)	See b)(2)f.
i.	OAC rule 3745-31-10 through 20	NOx shall not exceed 0.035 pound per mmBtu
		PE shall not exceed 0.0019 pound per mmBtu



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		PM10 shall not exceed 0.0075 pound per mmBtu
		See b)(2)g.
j.	OAC rule 3745-31-21 through 27	NOx shall not exceed 0.035 pound per mmBtu
		VOC shall not exceed 0.0054 pound per mmBtu
		See b)(2)h and b)(2)i.
k.	40 CFR Part 60, Subpart Dc	See b)(2)j.
l.	40 CFR Part 63, Subpart A (40 CFR 63.1-16)	See b)(2)k.
m.	40 CFR Part 63, Subpart DDDDD (40 CFR 63.7480-63.7575)  [In accordance with 40 CFR 63.7500(a)(1), this emissions unit is an existing boiler designed to burn natural gas located at a major source of hazardous air pollutants and subject to the work practice standard specified in this section.]	See b)(2)l. and b)(2)m.

(2) Additional Terms and Conditions

- a. Visible particulate emissions from any stack shall not exceed 5% opacity as a 6-minute average.
- b. The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(D), OAC rule 3745-31-10 through 27, 40 CFR Part 63, Subpart A and 40 CFR Part 63, Subpart DDDDD.
- c. The hourly and annual emission limitations above were established for PTI purposes to reflect the potential to emit for this emissions unit. Therefore, it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with these limitations.
- 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).
- e. OAC rule 3745-18-06(A) does not establish sulfur dioxide emission limitations for the fuel burning equipment when this emissions unit employs only natural gas as fuel. However, OAC rule 3745-18-06(A) requires that the natural gas being combusted meet certain fuel quality restrictions (a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pound per million standard cubic feet). Because the natural gas burned in this emissions unit is the standard, pipeline quality natural gas supplied to industrial, commercial, and residential users throughout the State, it is assumed that it meets the fuel quality



restrictions; and no monitoring, record keeping or reporting requirements are necessary to ensure ongoing compliance with OAC rule 3745-18-06(A).

On September 1, 2003, OAC rule 3745-18-06 was revised to delete the following phrase: "having a heat content greater than 950 Btu per standard cubic foot and a sulfur content less than 0.6 pounds per million standard cubic feet". Therefore, this phrase is no longer part of the State regulations. However, that rule revision has not yet been submitted to the 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 3745-18-06, the requirements still exist as part of the federally-approved SIP for Ohio.

- f. The emissions from the combustion of natural gas in B301, B303 through B310, K301, K302 and K303 shall not exceed the following:
  - i. 35.469 tons of CO per rolling, 12-month period, and
  - ii. 0.26 ton of SO<sub>2</sub> per rolling, 12-month period.
- g. The emissions from the combustion of natural gas B301, B303 through B310, K301, K302 and K303 shall not exceed:
  - i. 21.13 tons of NO<sub>x</sub> per rolling, 12-month period,
  - ii. 0.81 ton of PE per rolling, 12-month period, and
  - iii. 3.22 tons of PM<sub>10</sub> per rolling, 12-month period.
- h. The emissions from the combustion of natural gas B301, B303 through B310, K301, K302 and K303 shall not exceed:
  - i. 21.13 tons of NO<sub>x</sub> per rolling, 12-month period, and
  - ii. 2.33 tons of VOC per rolling, 12-month period.
- i. Daimler Chrysler shall permanently shut down all emissions units at the Toledo South Assembly Plant (OEPA premise number 0448010413, emissions units B001, B002, B013, B014, B015, G001, K004, K007, K008, K009, K010, K021, K022, K024, K025, K026, K027, K028, K029, K030, K037, P021, P022, T006 & T007), upon startup of the units under this permit to install, in order to obtain the emissions offsets required by OAC rule 3745-31-26.
- j. The permittee shall comply with the applicable provisions of 40 CFR 60 Subpart Dc.
- k. The permittee shall meet the applicable requirements of the General Provision in Part 63 Subpart A as identified in Table 10 to the subpart.
- l. Following the initial compliance date, tune-ups must be conducted for each boiler within the applicable annual, biennial, or 5-year schedule as specified in 40 CFR 63.7500(c), (d), and (e), 40 CFR 63.7540(a)(10) through (13), and Table 3 to the



subpart. An initial tune-up must be completed for an existing boiler no later than 1/31/16; unless the boiler is not in operation at this time, where a tune-up must be completed within 30 days after the re-start of the boiler.

- m. For each existing boiler a one-time energy assessment must be performed by a qualified energy assessor no later than 1/31/16. The one-time energy assessment for existing units must include the following:
  - i. a visual inspection of the boiler system;
  - ii. an evaluation of operating characteristics of the boiler systems, specifications of energy using systems, operating and maintenance procedures, and unusual operating constraints;
  - iii. an inventory of major energy use systems consuming energy from affected boilers, which are under the control of the boiler operator;
  - iv. a review of available architectural and engineering plans, facility operation and maintenance procedures and logs, and fuel usage;
  - v. a review of the facility's energy management practices and recommendations for improvements consistent with the definition of energy management practices, if identified;
  - vi. a list of cost-effective energy conservation measures that are within the permittee's control;
  - vii. a list of the energy savings potential of the energy conservation measures identified; and
  - viii. a comprehensive report detailing the ways to improve efficiency, the cost of specific improvements, benefits, and the time frame for recouping these investments.

c) Operational Restrictions

- (1) The permittee shall burn only natural gas in this emissions unit.
- (2) The maximum annual natural gas usage for B301, B303 through B310, K301, K302 and K303 shall not exceed 845 mmscf, based upon a rolling, 12-month summation of the natural gas usage figures.

Compliance with the annual natural gas usage shall be based upon a rolling, 12-month summation of the monthly natural gas usage.

- (3) See 40 CFR Part 60, Subpart Dc (40 CFR 60.40c – 60.48c).
- (4) See 40 CFR Part 63, Subpart DDDDD (40 CFR 63.7480-63.7575).



d) Monitoring and/or Recordkeeping Requirements

- (1) 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.
- (2) The permittee shall properly operate and maintain equipment to monitor the total quantity of natural gas (in million cubic feet) burned while this emissions unit is in operation. The monitoring equipment shall be calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and operating manual(s) with any amendments deemed necessary by the permittee.
- (3) The permittee shall maintain monthly records of the total quantity of natural gas (in million cubic feet per month) burned in this emissions unit.
- (4) The permittee shall maintain monthly records of the total CO, NO<sub>x</sub>, PE, PM<sub>10</sub>, SO<sub>2</sub> and VOC emissions in this emissions unit from burning natural gas. The emissions from burning natural gas shall be calculated by multiplying by the total quantity of natural gas (in million cubic feet) burned in this emissions unit, by a heating value of 1020 mmBtu per mmscf, and by the respective emissions limitations (in pounds per mmBtu) established in b)(1). of this permit. The permittee shall maintain monthly records of the rolling 12-month total quantity of natural gas (in cubic feet per rolling, 12-month period) burned in this emissions unit.
- (5) The permittee shall maintain monthly records of the total CO, NO<sub>x</sub>, PE, PM<sub>10</sub>, SO<sub>2</sub> and VOC emissions from this emissions unit, in tons as a rolling, 12-month summation.
- (6) The permittee shall maintain monthly records of the rolling 12-month total quantity of natural gas (in cubic feet per rolling, 12-month period) burned in B301, B303 through B310, K301, K302 and K303. These fuel usages shall be calculated as a summation of the fuel usage from B301, B303 through B310, K301, K302 and K303, as recorded in d) of each combustion process comprising this permit (i.e., B301, B303 through B310, K301 and K303).
- (7) The permittee shall maintain monthly records of the total CO, NO<sub>x</sub>, PE, PM<sub>10</sub>, SO<sub>2</sub> and VOC emissions from the combustion of natural gas in B301, B303 through B310, K301, K302 and K303, , in tons as a rolling, 12-month summation. These emissions shall be calculated as a summation of the emissions from B301, B303 through B310, K301, K302 and K303, as recorded in d) of each combustion process (i.e., B301, B303 through B310, K301, K302 and K303.)
- (8) See 40 CFR Part 60, Subpart Dc (40 CFR 60.40c – 60.48c).
- (9) See 40 CFR Part 63, Subpart DDDDD (40 CFR 63.7480-63.7575).



e) Reporting Requirements

- (1) The permittee shall submit quarterly deviation (excursion) reports that identify each day when a fuel other than natural gas was burned in this emissions unit.
- (2) The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month of the calendar quarter during which the quantity of natural gas burned in B301, B303 through B310, K301, K302 and K303 exceeded the operational restrictions specified in c)(2), and the actual cumulative quantity of natural gas burned for each such month.
- (3) The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month of the calendar quarter during which the quantity of CO, NOx, PM10, SO2 and/or VOC emissions from the combustion of natural gas in B301, B303 through B310, K301, K302 and K303 exceeded the emissions limitations specified in b)(2)f. through b)(2)h., and the actual cumulative quantity of CO, NOx, PM10, SO2 and VOC for each such month.
- (4) The quarterly and semiannual deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.
- (5) 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.
- (6) See 40 CFR Part 60, Subpart Dc (40 CFR 60.40c – 60.48c).
- (7) See 40 CFR Part 63, Subpart DDDDD (40 CFR 63.7480-63.7575).

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 5% opacity as a 6-minute average

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon visible particulate emission 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).



b. Emission Limitation:

0.083 pound of CO per mmBtu

Applicable Compliance Method:

Compliance shall be demonstrated based upon an emission factor of 84 pounds of CO per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1, dated 7/98.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 10 of 40 CFR Part 60 Appendix A.

c. Emission Limitation:

1.7 pounds of CO per hour

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.083 pound of CO per mmBtu) by the maximum heat input of the burners (20.4 mmBtu per hour).

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 10 of 40 CFR Part 60 Appendix A.

d. Emission Limitation:

7.5 tons of CO per year.

Applicable Compliance Method:

This emission limitation was developed by multiplying the hourly allowable CO emission limitation (1.7 pounds per hour) by the maximum annual hours of operation (8760 hours per year), and then dividing by 2000 pounds per ton. Therefore, if compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

e. Emission Limitation:

0.035 pound of NOx per mmBtu

Applicable Compliance Method:

Compliance shall be determined through calculations based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-1 dated 7/98, as follows: divide the



emission factor of 32 pounds of NO<sub>x</sub> emissions per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 7 of 40 CFR Part 60 Appendix A.

f. Emission Limitation:

0.72 pound of NO<sub>x</sub> per hour

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.035 pound of NO<sub>x</sub> per mmBtu) by the maximum heat input of the burners (20.4 mmBtu per hour).

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 7 of 40 CFR Part 60 Appendix A.

g. Emission Limitation:

3.16 tons of NO<sub>x</sub> per year

Applicable Compliance Method:

This emission limitation was developed by multiplying the hourly allowable NO<sub>x</sub> emission limitation (0.72 pound per hour) by the maximum annual hours of operation (8760 hours per year), and then dividing by 2000 pounds per ton. Therefore, if compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

h. Emission Limitation:

0.0019 pound of PE per mmBtu

Applicable Compliance Method:

Compliance shall be determined through calculations based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 1.9 pounds of PE per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 5 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(9).



i. Emission Limitation:

0.04 pound of PE per hour

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.0019 pound of PE per mmBtu) by the maximum heat input of the burners (20.4 mmBtu per hour).

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 5 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(9).

j. Emission Limitation:

0.18 ton of PE per year

Applicable Compliance Method:

This emission limitation was developed by multiplying the hourly allowable PE emission limitation (0.04 pound per hour) by the maximum annual hours of operation (8760 hours per year), and then dividing by 2000 pounds per ton. Therefore, if compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

k. Emission Limitation:

0.0075 pound of PM10 per mmBtu

Applicable Compliance Method:

Compliance shall be determined through calculations based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 7.6 pounds of PM10 per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

l. Emission Limitation:

0.15 pound of PM10 per hour



Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.0075 pound of PM10 per mmBtu) by the maximum heat input of the burners (20.4 mmBtu per hour).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

m. Emission Limitation:

0.66 ton of PM10 per year

Applicable Compliance Method:

This emission limitation was developed by multiplying the hourly allowable PM10 emission limitation (0.15 pound per hour) by the maximum annual hours of operation (8760 hours per year), and then dividing by 2000 pounds per ton. Therefore, if compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

n. Emission Limitation:

0.0006 pound of SO2 per mmBtu

Applicable Compliance Method:

Compliance shall be determined through calculations based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 0.6 pound of SO2 emissions per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 6 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-18-04.

o. Emission Limitation:

0.01 pound of SO2 per hour

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.0006 pound of SO2 per mmBtu) by the maximum heat input of the burners (20.4 mmBtu per hour).



If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 6 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-18-04.

p. Emission Limitation:

0.05 ton of SO<sub>2</sub> per year

Applicable Compliance Method:

This emission limitation was developed by multiplying the hourly allowable SO<sub>2</sub> emission limitation (0.01 pound per hour) by the maximum annual hours of operation (8760 hours per year), and then dividing by 2000 pounds per ton. Therefore, if compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

q. Emission Limitation:

0.0054 pound of VOC per mmBtu

Applicable Compliance Method:

Compliance shall be determined through calculations based on emission factors specified in USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Table 1.4-2 dated 7/98, as follows: divide the emission factor of 5.5 pounds of VOC emissions per million standard cubic feet by a heating value of 1020 Btu per standard cubic foot.

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 25 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-21-10.

r. Emission Limitation:

0.11 pound of VOC per hour

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.0054 pound of VOC per mmBtu) by the maximum heat input of the burners (20.4 mmBtu per hour).

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 25 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-21-10.



s. Emission Limitation:

0.5 ton of VOC per year

Applicable Compliance Method:

This emission limitation was developed by multiplying the hourly allowable VOC emission limitation (0.11 pound per hour) by the maximum annual hours of operation (8760 hours per year), and then dividing by 2000 pounds per ton. Therefore, if compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

t. Emission Limitation:

The combined emissions from the combustion of natural gas in B301, B303 through B310, K301, K302 and K303 shall not exceed the following:

35.49 tons of CO as a rolling, 12-month summation

21.13 tons of NO<sub>x</sub> as a rolling, 12-month summation

0.81 tons of PE as a rolling, 12-month summation

3.22 tons of PM<sub>10</sub> as a rolling, 12-month summation

0.26 tons of SO<sub>2</sub> as a rolling, 12-month summation

2.33 tons of VOC as a rolling, 12-month summation

Applicable Compliance Method:

Compliance shall be demonstrated based upon the monitoring and record keeping requirements specified in B.2.c) and the emissions factors demonstrated in B.2.f) of the permit.

g) Miscellaneous Requirements

(1) None.