



Environmental Protection Agency

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

11/16/2011

Certified Mail

Mr. Mauro Pino
Chrysler Group LLC- Wrangler Paint Facility
4400 Chrysler Drive
Toledo, OH 43608

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL
Facility ID: 0448011731
Permit Number: P0108955
Permit Type: OAC Chapter 3745-31 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 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. Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

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
309 South Fourth Street, Room 222
Columbus, OH 43215

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. If you have any questions regarding this permit, please contact the Toledo Department of Environmental Services. 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.

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:	P0108955
Permit Type:	OAC Chapter 3745-31 Modification
Issued:	11/16/2011
Effective:	11/16/2011



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): A0043026
Permit Number: P0108955
Permit Description: Modification to the coating line permits to add a back-up burner to the existing thermal regenerative incinerator. This modification will enhance control equipment reliability and will result in no new or increased emissions.
Permit Type: OAC Chapter 3745-31 Modification
Permit Fee: \$200.00
Issue Date: 11/16/2011
Effective Date: 11/16/2011

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.

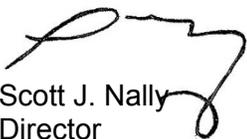
Ohio EPA District Office or local air agency responsible for processing and administering your permit:

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



Authorization (continued)

Permit Number: P0108955

Permit Description: Modification to the coating line permits to add a back-up burner to the existing thermal regenerative incinerator. This modification will enhance control equipment reliability and will result in no new or increased emissions.

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

Emissions Unit ID:	K301
Company Equipment ID:	E-Coat
Superseded Permit Number:	04-01358
General Permit Category and Type:	Not Applicable
Emissions Unit ID:	K303
Company Equipment ID:	Topcoat
Superseded Permit Number:	04-01358
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 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 (i.e., postmarked) 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) 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 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 (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 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 (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



1. All the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:
 - a) None.
2. The following emissions units contained in this permit are subject to 40 CFR Part 60, Subpart MM: K301 and K303. The complete NSPS requirements, including the NSPS General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website <http://ecfr.gpoaccess.gov> or by contacting the Toledo Division of Environmental Services.
3. The following emissions units contained in this permit are subject to 40 CFR Part 63, Subpart IIII: K301 and K303. The complete MACT requirements, including the MACT General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website <http://ecfr.gpoaccess.gov> or by contacting the Toledo Division of Environmental Services
4. The following emissions units contained in this permit are subject to 40 CFR Part 63, Subpart DDDDD: K301 and K303. The complete MACT requirements, including the MACT General Provisions may be accessed via the internet from the Electronic Code of Federal Regulations (e-CFR) website <http://ecfr.gpoaccess.gov> or by contacting the Toledo Division of Environmental Services.
5. The maximum annual natural gas usage for B301 through B333, K301, K302, K303, K404 and K405 shall not exceed 845 mmscf, based upon a rolling, 12 month summation of the natural gas usage figures.
6. The maximum annual fuel usage for B301 through B333, K301, K302, K303, K404 and K405 shall not exceed 250,000 gallons, based upon a rolling, 12 month summation of the fuel oil usage figures.
7. The permittee shall maintain monthly records of the total quantity of natural gas (in cubic feet per month) and fuel oil (in gallons per month) burned in B301 through B333, K301, K302, K303, K404 and K405.
8. The permittee shall maintain monthly records of the rolling 12-month total quantity of natural gas (in cubic feet per rolling, 12-month period) and fuel oil (in gallons per rolling, 12-month period) burned in B301 through B333, K301, K302, K303, K404 and K405. To ensure enforceability during the first twelve calendar months of operation, following the issuance of this permit, actual emissions calculated from material usage records from the previous 11 calendar months of operation shall be used to calculate the rolling, 12-month emissions from this emissions unit and the facility.
9. 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 or fuel oil burned in B301 through B333, K301, K302, K303, K404 and K405 exceeded the operational restrictions specified in 5. or 6. above, and the actual cumulative quantity of fuel burned for each such month.
10. The combined emissions from the combustion of fuel oil and natural gas in B301 through B333, K301, K302, K303, K404 and K405 shall not exceed the following:
 - a) 36.40 tons of CO per rolling, 12-month period,
 - b) 37.89 tons of NOx per rolling, 12-month period,
 - c) 1.09 tons of PE per rolling, 12-month period,

- d) 3.65 tons of PM10 per rolling, 12-month period,
 - e) 9.19 tons of SO₂ per rolling, 12-month period, and
 - f) 2.36 tons of VOC per rolling, 12-month period.
11. The annual emission limitations in 10. above, were established for PTI purposes to reflect the potential to emit for B301 through B333, K301, K302, K303, K404 and K405 at the maximum allowable fuel usage levels based on the worst case operating scenario and the following emissions factors:
- a) 0.083 pound carbon monoxide (CO) per mmBtu when combusting only natural gas (gas),
 - b) 0.036 pound CO per mmBtu when combusting only fuel oil (oil),
 - c) 0.035 pound of nitrogen oxides (NO_x) per mmBtu (gas), for B301 and B304 only,
 - d) 0.085 pound nitrogen oxides (NO_x) per mmBtu (gas),
 - e) 0.072 pound of NO_x per mmBtu (oil),
 - f) 0.0019 pound of particulate emissions (PE) per mmBtu (gas),
 - g) 0.015 pound PE per mmBtu (oil),
 - h) 0.0075 pound of particulate matter of 10 microns or less in diameter (PM10) per mmBtu (gas),
 - i) 0.024 pound of PM10 per mmBtu (oil),
 - j) 0.0006 pound sulfur dioxide (SO₂) per mmBtu (gas),
 - k) 0.51 pound SO₂ per mmBtu (oil),
 - l) 0.0054 pound of volatile organic compounds (VOC) per mmBtu (gas), and
 - m) 0.0015 pound of VOC per mmBtu (oil).

Therefore, if compliance is demonstrated with the rolling, 12-month fuel usage limitations, it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with the rolling, 12-month emissions limitations.

Note: Compliance based upon these emission factors and a heating value of 1020 Btu per standard cubic foot of natural gas from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.4, Table 1.4-1, dated 7/98.

Compliance based upon these emission factors and a heating value of 140 million Btu per 1000 gallons of distillate fuel oil from AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, Section 1.3, Table 1.3-1, dated 9/98.

C. Emissions Unit Terms and Conditions



1. K301, E-Coat

Operations, Property and/or Equipment Description:

Electrodeposition (E-Coat) prime coat of Automobile and/or Light Duty Trucks with regenerative thermal oxidizer (RTO) on oven exhaust

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) g)(1).

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
electrodeposition prime coat (E-Coat) tank and E-coat oven (coating emissions)		
a.	OAC rule 3745-31-05(A)(3) (PTI 04-1358 as issued 9/2/2004)	0.27 pound of volatile organic compounds (VOC) per hour, 1.2 tons of VOC per year, and see b)(2)a. through b)(2)d.
b.	OAC rule 3745-21-09(C)(1)(a)(i)	See b)(2)e.
c.	OAC rule 3745-31-21 thru 27 (PTI 04-1358 as issued 9/2/2004)	See b)(2)f. through b)(2)h.
d.	40 CFR Part 60 Subpart A (40 CFR 60.1 through 60.19)	See b)(2)i.
e.	40 CFR Part 60 Subpart MM (40 CFR 60.390 through 60.398) In accordance with 40 CFR 63.390(a), this emissions unit is an automobile or light-duty truck assembly plant prime coat operation subject to the emission limitations/control measures specified in this section.	The permittee shall comply with the applicable requirements of 40 CFR Part 60, Subpart MM. See b)(2)e. and b)(2)j.
f.	40 CFR Part 63 Subpart A (40 CFR 63.1 through 63.16)	See b)(2)k.
g.	40 CFR Part 63 Subpart IIII (40 CFR 63.3080 through 63.3176) In accordance with 40 CFR 63.3081(b), this emissions unit is an	The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart IIII.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	existing automobile, or new light-duty truck, surface coating operation located at a facility which is a major source of HAPs subject to the emission limitations/control measures specified in this section.	
14.05 mmBtu/hr direct fired low NOx natural gas E-coat oven burners (combustion emissions)		
i.	OAC rule 3745-31-05(A)(3) (PTI 04-1358 as issued 9/2/2004)	0.083 pound of carbon monoxide (CO) per mmBtu, 1.2 pounds of CO per hour, 5.3 tons of CO per year, 1.2 pounds of nitrogen oxides (NOx) per hour, 5.1 tons of NOx per year, 0.03 pound of PE per hour, 0.12 ton of PE per year, 0.11 pound of PM10 per hour, 0.46 ton of PM10 per year, 0.0006 pound of sulfur dioxide (SO2) per mmBtu, 0.009 pound of SO2 per hour, 0.04 ton of SO2 per year, 5% opacity as a 6 minute average, and see b)(2)l. and b)(2)m.
j.	OAC rule 3745-17-07(A)(1)	See b)(2)e.
k.	OAC rule 3745-17-11(B)(1)	See b)(2)e.
l.	OAC rule 3745-18-06(E)	See b)(2)e.
m.	OAC rule 3745-31-05(D) (PTI 04-1358 as issued 9/2/2004)	See b)(2)n.
n.	OAC rule 3745-31-10 thru 20 (PTI 04-1358 as issued 9/2/2004)	0.085 pound of NOx per mmBtu, 0.0019 pound particulate emissions (PE) per mmBtu, 0.0075 pound of PM10 per mmBtu, and see b)(2)o.
o.	OAC rule 3745-31-21 thru 27 (PTI 04-1358 as issued 9/2/2004)	0.085 pound of NOx per mmBtu, and see b)(2)p.
p.	40 CFR Part 63 Subpart A (40 CFR 63 .1 through 63.16)	See b)(2)k.
q.	40 CFR Part 63 Subpart DDDDD (40 CFR 63 .7480 through 63.7575) In accordance with 40 CFR 63.7485, this emissions unit process heater as defined in §63.7575 that is located at a facility which is a major source of	The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart DDDDD. See b)(2)q.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	HAPs subject to the emission limitations/control measures specified in this section.	
	touch up booth controlled by a dry filtration device	
r.	OAC rule 3745-31-05(A)(3) (PTI 04-1358 as issued 9/2/2004	5% opacity as a 6 minute average, and see b)(2)r. and b)(2)s.
s.	OAC rule 3745-17-07(B)(1)	See b)(2)e.
t.	OAC rule 3745-17-11(C)(1),(C)(2)	See b)(2)t.
u.	OAC rule 3745-21-09(C)(1)(a)(i)	See b)(2)e.
v.	OAC rule 3745-31-10 thru 20 (PTI 04-1358 as issued 9/2/2004	98% control efficiency for particulate, 0.01 pound per hour of PE, 0.05 ton of PE per rolling, 12-month period, 0.01 pound per hour of PM10, 0.05 ton of PM10 per rolling 12-month period.
w.	OAC rule 3745-31-21 thru 27 (PTI 04-1358 as issued 9/2/2004	0.01 pound per hour of volatile organic compounds (VOC), 0.05 ton of VOC per rolling 12-month period, and see b)(2)f.
x.	40 CFR Part 63 Subpart A (40 CFR 63 .1 through 63.16)	See b)(2)k.
y.	40 CFR Part 63 Subpart IIII (40 CFR 63.3080 through 63.3176) In accordance with 40 CFR 63.3081(b), this emissions unit is an existing automobile, or new light-duty truck, surface coating operation located at a facility which is a major source of HAPs subject to the emission limitations/control measures specified in this section.	The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart IIII.
	14.0 mmBtu/hr natural gas fired regenerative thermal oxidizer shared by K301 and K303 (combined combustion emissions)	
z.	OAC rule 3745-31-05(A)(3) (as effective 11/30/01)	1.16 pounds of CO per hour, 5.11 tons of CO per year, 1.19 pounds of nitrogen oxides (NOx) per hour, 5.24 tons of NOx per year, 0.03 pound of PE per hour, 0.13 ton of PE per year, 0.11 pound of PM10 per hour, 0.50 ton of PM10 per year, 0.019 pound of SO2 per hour,



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
		0.093 ton of SO2 per year, 0.084 pound of VOC per hour, 0.037 ton of VOC per year, 5% opacity as a 6 minute average, and see b)(2)m. and b)(2)u.
aa.	OAC rule 3745-31-05(A)(3)(a)ii (as effective 12/01/06)	See b)(2)v.

(2) Additional Terms and Conditions

- a. The requirements of this rule also include compliance with the requirements of OAC rules 3745-31-10 thru 27, 40 CFR Part 63 Subpart A and 40 CFR Part 63 Subpart IIII.
- b. The hourly VOC emission limitation above was established for PTI purposes to reflect the controlled potential to emit for this emissions unit based on the worst case operating scenario (82 jobs/hour). Therefore, it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with this limitation.
- c. The permittee shall operate and maintain a thermal oxidizer, with a 100% capture efficiency and a minimum of 95 percent control efficiency, to control VOC emissions from the E-coat dip tank and e-coat oven. The thermal oxidizer shall be installed, operated and maintained in accordance with the manufacturer's recommendations with any amendments deemed necessary by the permittee.
- d. The average combustion temperature within the thermal oxidizer, for any 3-hour block of time when the oxidizer is in operation as a VOC control device for compliance purposes, shall not be below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.
- e. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- f. The annual VOC emission limitations represent the maximum controlled potential to emit of this emissions unit at a production limitation of 200,064 jobs per rolling 12-month period, as made federally enforceable in K303 of this permit.
- g. The combined emissions of VOC from the E-coat line shall not exceed 0.04 pound of volatile organic compounds per gallon of applied coating solids as a volume-weighted average on a monthly basis.
- h. The combined emissions of VOC from the dip tank, drying oven and touch up booth operations associated with the E-coat line (K301), shall not exceed 2.1 tons as a rolling, 12-month summation.

- i. 40 CFR Part 60, Subpart A provides applicability provisions, definitions, and other general provisions that are applicable to emissions units affected by 40 CFR Part 60.
- j. 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.
- k. 40 CFR Part 63, Subpart A provides applicability provisions, definitions, and other general provisions that are applicable to emissions units affected by 40 CFR Part 63.
- l. The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(D), OAC rules 3745-31-10 thru 27, 40 CFR Part 63, Subpart A and 40 CFR Part 63, Subpart DDDDD.
- m. The hourly and annual emission limitations above were established for PTI purposes to reflect the potential to emit for this emissions unit while combusting natural gas. Therefore, it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with these limitations.
- n. The combined emissions from the combustion of fuel oil and natural gas in B301 through B333, K301, K302, K303, K404 and K405 shall not exceed the following:
 - i. 36.40 tons of CO per rolling, 12-month period, and
 - ii. 9.19 tons of SO₂ per rolling, 12-month period.
- o. The combined emissions from the combustion of fuel oil and natural gas in B301 through B333, K301, K302, K303, K404 and K405 shall not exceed the following:
 - i. 37.89 tons of NO_x per rolling, 12-month period,
 - ii. 1.09 tons of PE per rolling, 12-month period, and
 - iii. 3.65 tons of PM₁₀ per rolling, 12-month period.
- p. The combined emissions from the combustion of fuel oil and natural gas in B301 through B333, K301, K302, K303, K404 and K405 shall not exceed the following:
 - i. 37.89 tons of NO_x per rolling, 12-month period, and
 - ii. 2.36 tons of VOC per rolling, 12-month period.
- q. On May 16, 2011, U.S. EPA decided to stay the Boiler MACT (40 CFR Part 63, Subpart DDDDD). This delay of effectiveness will remain in place until the proceedings for judicial review are completed or U.S. EPA completes its reconsideration of the rules, whichever is earlier, and the Agency publishes a notice in the Federal Register announcing that the rules are in effect. Upon

being effective, this emissions unit will be subject to 40 CFR Part 63, Subpart DDDDD.

DISCUSSION OF PLACEHOLDER T&C

Since the Boiler MACT was published as a final rule, it is an applicable requirement to be listed in a Title V permit despite the fact that the EFFECTIVE date of the rule has been stayed. U.S. EPA has concurred that the Stay does not trigger 112(j) case-by-case MACT requirements, therefore the previous Boiler MACT “placeholder” T&C cannot be used. DAPC has decided to continue to process Title V permits using the new placeholder T&C (above) until such time as a final effective rule is in place. At that time, DAPC intends to notify affected facilities that they should submit a Minor Permit Modification (MPM) application to incorporate the final effective Boiler MACT requirements into their final Title V permit using the EG#76 IBR approach. Therefore for Title V permits that are processed prior to the date of a final effective Boiler MACT rule it is important that the permit CITE the Boiler MACT as an applicable requirement in the Final Title V permit. The Title V modification guidance (section VII.B.1) allows for the Boiler MACT requirements to be added to the final permit via an MPM since these requirements would not be considered “newly promulgated” requirements provided 40 CFR Part 63, Subpart DDDDD is cited in the permit as an Applicable Requirement. The MPM permit only goes through the Proposed and Final stages of Title V permit issuance and this does not present a problem concerning these Title V permits since the Boiler MACT rule itself has been subject to public review and comment (including any portions subject to the Reconsideration of the rule). Therefore there is no need for the Title V permit Reopenings.

- r. The requirements of this rule also include compliance with the requirements of OAC rules 3745-31-10 thru 27 and 40 CFR Part 63 Subparts A and IIII.
- s. The permittee shall permit no visible emissions of fugitive dust from the enclosure serving the touch up booth. The permittee shall operate the dry filtration system for the control of particulate emissions from the touch up booth whenever this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer’s recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

In the event the particulate filter system is not operating in accordance with the manufacturer’s recommendations, instructions, or operating manual, with any modifications deemed necessary by the permittee, the control device shall be expeditiously repaired or otherwise returned to these documented operating conditions.

- t. The permittee shall operate the dry filtration system for the control of particulate emissions from the touch up booth whenever this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer’s recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

In the event the particulate filter system is not operating in accordance with the manufacturer's recommendations, instructions, or operating manual, with any modifications deemed necessary by the permittee, the control device shall be expeditiously repaired or otherwise returned to these documented operating conditions.

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

The Best Available Technology requirements under OAC rule 3745-31-05(A)(3) do not apply to the thermal oxidizer combustion emissions of carbon monoxide (CO), nitrogen oxides (NOx), particulate (PE), particulate matter less than or equal to 10 microns in diameter (PM10), sulfur dioxide (SO2), and volatile organic compound (VOC) from this air contaminant source since the uncontrolled potential to emit for CO, NOx, PE, PM10, PM2.5, SO2, and VOC is less than 10 tons per year.

c) **Operational Restrictions**

- (1) The permittee shall burn only natural gas as fuel in this emissions unit.
- (2) All of the operations comprising this emissions unit shall be fully enclosed and the emissions from the E-coat tank and the drying oven shall be exhausted through a thermal oxidizer.
- (3) The permittee shall operate the thermal oxidizer whenever the respective emission source is in operation.
- (4) All of the equipment comprising the touch up booth shall be fully enclosed and all emissions shall be exhausted through a dry filtration device.
- (5) The maximum annual natural gas usage for B301 through B333, K301, K302, K303, K404 and K405 shall not exceed 845 mmscf, based upon a rolling, 12 month summation of the natural gas usage figures. To ensure enforceability during the first twelve calendar months of operation, following the issuance of this permit, actual emissions calculated from material usage records from the previous 11 calendar months of

operation shall be used to calculate the rolling, 12-month emissions from this emissions unit and the facility.

- (6) The maximum annual fuel usage for B301 through B333, K301, K302, K303, K404 and K405 shall not exceed 250,000 gallons, based upon a rolling, 12 month summation of the fuel oil usage figures. To ensure enforceability during the first twelve calendar months of operation, following the issuance of this permit, actual emissions calculated from material usage records from the previous 11 calendar months of operation shall be used to calculate the rolling, 12-month emissions from this emissions unit and the facility.
 - (7) See 40 CFR Part 60 Subpart MM (40 CFR 60.390 through 60.398).
 - (8) See 40 CFR Part 63 Subpart IIII (40 CFR 63.3080 through 63.3176).
- 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 operate and maintain (a) continuous temperature monitor(s) and recorder(s) which measures and records the combustion temperature within the thermal oxidizer when the oxidizer is in operation. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor and recorder shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any amendments deemed necessary by the permittee and approved by the Toledo Division of Environmental Services.
 - (3) The permittee shall collect and record the following information for each month for the e-coat dip tank, e-coat oven, touch up booth and the associated control equipment:
 - a. the name and identification number of each coating, as applied;
 - b. the mass of VOC per volume of coating solids, as applied, the volume solids content, as applied, and the volume, as applied, of each coating;
 - c. the maximum VOC content (in mass of VOC per volume of applied coating solids) or the monthly volume-weighted average VOC content (in mass of VOC per volume of applied coating solids) of all the coatings;
 - d. the calculated, controlled VOC emission rate, in mass of VOC per volume of applied coating solids. The controlled VOC emission rate shall be calculated using (i) either the maximum VOC content or the monthly volume-weighted VOC content recorded in accordance with d)(4)c. above and (ii) the overall control efficiency for the control equipment as determined during the most recent emission test that demonstrated that the emissions unit was in compliance;

- e. the calculated, controlled VOC emissions, in tons of VOC per month. The controlled VOC emissions shall be calculated using the controlled VOC emission rate in d)(4)d. above and a factor of 2,000 lbs/ton;
 - f. a log or record of operating time for the capture (collection) system, control device, monitoring equipment, and the associated emissions unit;
 - g. all 3-hour blocks of time during which the average combustion temperature within the thermal oxidizer, when the emissions unit was in operation, was below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance.
- (4) The permittee shall maintain monthly records of the cumulative quantity of controlled VOC emissions from all coating operations performed in this emissions unit, in tons as a rolling, 12-month summation. These emissions shall be calculated as a summation of the total VOCs from all coating operations performed in this emissions unit as recorded in d)(3) above. To ensure enforceability during the first twelve calendar months of operation, following the issuance of this permit, actual emissions calculated from material usage records from the previous 11 calendar months of operation shall be used to calculate the rolling, 12-month emissions from this emissions unit and the facility.
 - (5) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the touch up booth dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.
 - (6) The permittee shall conduct periodic inspections of the touch up booth dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.
 - (7) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the touch up booth dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.
 - (8) The permittee shall document each inspection (periodic and annual) of the touch up booth dry particulate filter system and shall maintain the following information:
 - a. the date of the inspection;
 - b. a description of each/any problem identified and the date it was corrected;
 - c. a description of any maintenance and repairs performed; and
 - d. the name of person who performed the inspection.

These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

- (9) The permittee shall maintain records that document any time periods when the touch up booth dry particulate filter was not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.
 - (10) The permittee shall properly install, operate, and maintain equipment to monitor the total quantity of natural gas (in cubic feet) and fuel oil (in gallons) 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.
 - (11) The permittee shall maintain monthly records of the rolling 12-month total quantity of natural gas (in cubic feet per rolling, 12-month period) and fuel oil (in gallons per rolling, 12-month period) burned in B301 through B333, K301, K302, K303, K404 and K405.
 - (12) See 40 CFR Part 60 Subpart MM (40 CFR 60.390 through 60.398).
 - (13) See 40 CFR Part 63 Subpart IIII (40 CFR 63.3080 through 63.3176).
- 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 temperature deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within the thermal oxidizer, when the emissions unit was in operation, was below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance.
 - (3) The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month of the calendar quarter during which the calculated, controlled VOC emission rate, in pounds mass of VOC per gallon volume of applied coating solids, exceeded the emissions limitation specified in b), and the actual VOC emission rate for each such month.
 - (4) The permittee shall submit quarterly deviation (excursion) reports that identify any daily record showing that the touch up booth dry particulate filter system was not in service or not operated according to manufacturer's recommendations (with any documented modifications made by the permittee) when the emissions unit(s) was/were in operation;

- (5) 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 or fuel in B301 through B333, K301, K302, K303, P306, K404 and K405 exceeded the operational restrictions specified in c)(5) and c)(6), and the actual cumulative quantity of fuel burned for each such month.
 - (6) 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 60 Subpart MM (40 CFR 60.390 through 60.398).
 - (8) See 40 CFR Part 63 Subpart IIII (40 CFR 63.3080 through 63.3176).
- f) Testing Requirements

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:

- (1) Compliance with the emission limitation(s) for the coating emissions shall be determined in accordance with the following methods(s):
 - a. Emission Limitation:
0.27 pound of VOC per hour

Applicable Compliance Method:

This emission limitation was established based on a one-time calculation of the worst case operating scenario (82 jobs/hour) and a company supplied emissions factor (0.0033 pound VOC/job). 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.
 - b. Emission Limitation:
1.2 tons of VOC per year

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation of the potential to emit for this emissions unit. This emission limitation was developed by multiplying the maximum hourly emissions rate (0.27 pound of VOC per hour) by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/ton.
 - c. Emission Limitation:
100% capture efficiency and a minimum of 95 percent control efficiency

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Method 25 of 40 CFR Part 60 Appendix A and Method 204 of 40 CFR Part 51, Appendix M, using the methods and procedures specified in OAC rule 3745-21-10. The permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's "Guidelines for Determining Capture Efficiency", dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity and validity of the alternative, and may approve the use of the alternate if such approval does not contravene any other applicable requirement.)

- (2) Compliance with the emission limitation(s) for the E-Coat oven burner combustion emissions oxidizer stack shall be determined in accordance with the following methods(s):

- a. Emission Limitation;

5% opacity, as a six-minute average

Applicable Compliance Method;

If required, compliance shall be determined through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A using the methods and 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:

1.2 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 14.05 mmBtu heat input capacity of the E-coat oven burners

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:

5.1 tons of CO per year

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation of the annual potential to emit, based upon the worst case operating scenario. This emission limitation was developed by multiplying the allowable emission limitation (0.083 pound of CO per mmBtu) by the 14.05 mmBtu heat input capacity of the E-coat oven burners and 8760 hours per year, and then dividing by 2000 pounds per ton.

e. Emission Limitation:

0.085 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 50 pounds of NOx 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:

1.2 pounds of NOx per hour

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.085 pound of NOx per mmBtu) by the 14.05 mmBtu heat input capacity of the E-coat oven burners.

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:

5.3 tons of NO_x per year

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation of the annual potential to emit, based upon the worst case operating scenario. This emission limitation was developed by multiplying the allowable emission limitation (0.085 pound of NO_x per mmBtu) by the 14.05 mmBtu heat input capacity of the E-coat oven burners and 8760 hours per year, and then dividing by 2000 pounds per ton.

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 Btus 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:

0.03 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 14.05 mmBtu heat input capacity of the E-coat oven burners.

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. 0.12 ton of PE per year

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation of the potential to emit for this emissions unit. This emission limitation was developed by multiplying the 14.05 mmBtu heat input capacity of the E-coat oven burners by the allowable emission limitation (0.0019 pound of PE per mmBtu) and by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/ton.

- 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:

0.11 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 14.05 mmBtu heat input capacity of the E-coat oven burners.

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:

0.46 ton of PM10 per year

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation of the potential to emit for this emissions unit. This emission limitation was developed by

multiplying the 14.05 mmBtu heat input capacity of the E-coat oven burners by the allowable emission limitation (0.0075 pound of PM10 per mmBtu) and by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/ton.

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 pounds 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:

0.009 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 14.05 mmBtu/hr heat input capacity of the E-coat oven burners.

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:

0.04 ton of SO₂ per year

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation of the potential to emit for this emissions unit. This emission limitation was developed by multiplying the hourly maximum heat input (14.05 mmBtu/hr) by the allowable emission limitation (0.0006 pound of SO₂ per mmBtu) and by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/ton.

q. The combined emissions from the combustion of fuel oil and natural gas in B301 through B333, K301, K302, K303, K404 and K405 shall not exceed the following:

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

37.89 tons of NOx as a rolling, 12-month summation

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

3.65 tons of PM10 as a rolling, 12-month summation

9.19 tons of SO2 as a rolling, 12 month summation

2.36 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.7. through B.11. of this permit.

- (3) Compliance with the emission limitation(s) for the touch up booth shall be determined in accordance with the following methods(s):

- a. Emission Limitation;

5% opacity, as a six-minute average

Applicable Compliance Method;

If required, compliance shall be determined through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(1).

- b. Emission Limitation;

no visible emissions of fugitive dust

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 22 and the procedures specified in OAC rule 3745-17-03(B)(3).

- c. Emission Limitation:

98% control of particulate emissions

Applicable Compliance Method:

If required, compliance shall be determined through emissions testing at the inlet and outlet of the control device performed in accordance with Methods 201 and 202 of 40 CFR Part 51, Appendix M. Alternate USEPA approved test methods may be used with prior written approval.

d. Emissions Limitation:

0.01 pound of PE per hour

Applicable Compliance Method:

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.

e. Emission Limitation:

0.05 ton of PE per rolling 12-month period

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation of the potential to emit for this emissions unit. This emission limitation was developed by multiplying the hourly allowable emission limitation (0.01 pound of PE per hour) by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/ton. Therefore, if compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

f. Emission Limitation:

0.01 pound of PM10 per hour.

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with methods and procedures of 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.

g. Emission Limitation:

0.05 ton of PM10 per rolling 12-month period.

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation of the potential to emit for this emissions unit. This emission limitation was developed by multiplying the hourly allowable emission limitation (0.01 pound of PM10 per hour) by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/ton. Therefore, if compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

h. Emissions Limitation:

0.01 pound of VOC per hour

Applicable Compliance Method:

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

- i. 0.05 ton of VOC per rolling 12-month period

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation of the potential to emit for this emissions unit. This emission limitation was developed by multiplying the hourly allowable emission limitation (0.01 pound of VOC per hour) by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/ton. Therefore, if compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

- (4) Compliance with the combined emission limitation(s) for the thermal oxidizer combustion emissions shall be determined in accordance with the following methods(s):

- a. Emission Limitation;

5% opacity, as a six-minute average

Applicable Compliance Method;

If required, compliance shall be determined through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(1).

- b. Emission Limitation:

1.16 pounds of CO per hour

Applicable Compliance Method:

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:

5.11 tons of CO per year

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation of the annual potential to emit, based upon the worst case operating scenario. This emission limitation was developed by multiplying the allowable emission limitation (1.16

pounds of CO per hour) by 8760 hours per year, and then dividing by 2000 pounds per ton.

d. Emission Limitation:

1.19 pounds of NOx per hour

Applicable Compliance Method:

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.

e. Emission Limitation:

5.24 tons of NOx per year

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation of the annual potential to emit, based upon the worst case operating scenario. This emission limitation was developed by multiplying the allowable emission limitation (1.19 pounds of NOx per hour) by 8760 hours per year, and then dividing by 2000 pounds per ton.

f. Emission Limitation:

0.03 pound of PE per hour

Applicable Compliance Method:

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).

g. 0.13 ton of PE per year

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.03 pound of PE per hour) by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/ton.

h. Emission Limitation:

0.11 pound of PM10 per hour

Applicable Compliance Method:

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.

i. Emission Limitation:

0.55 ton of PM10 per year

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.11 pound of PM10 per hour) by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/ton.

j. Emission Limitation:

0.019 pound of SO2 per hour

Applicable Compliance Method:

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.

k. Emission Limitation:

0.093 ton of SO2 per year

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation of the potential to emit for this emissions unit. This emission limitation was developed by multiplying the allowable emission limitation (0.019 pound of SO2 per hour) and by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/ton.

l. Emission Limitation:

0.084 pound of VOC per hour

Applicable Compliance Method:

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.

m. Emission Limitation:

0.37 ton of VOC per year

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation of the potential to emit for this emissions unit. This emission limitation was developed by multiplying the allowable emission limitation (0.084 pound of VOC per hour) and by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/ton.

(5) See 40 CFR Part 60 Subpart MM (40 CFR 60.390 through 60.398).

(6) See 40 CFR Part 63 Subpart IIII (40 CFR 63.3080 through 63.3176).

g) Miscellaneous Requirements

(1) Should any coating formulations cause an odor, or process changes cause an increase in the quantity or intensity of odors emitted from this facility, as determined by the Toledo Division of Environmental Services, the company shall take corrective action to reduce the impact of the odors. The time schedule for the corrective action shall be approved by the Toledo Division of Environmental Services.

2. K303, Topcoat

Operations, Property and/or Equipment Description:

2 automotive topcoat booths with control by water wash filtration, using waterborne basecoat and solventborne clearcoat with regenerative thermal oxidizer (RTO) on heated flashoff, clearcoat booths and ovens

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) g)(1).

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
	2 automotive topcoat booths and associated operations with control by water wash filtration(s) and a regenerative thermal oxidizer (RTO) (coating emissions)	
a.	OAC rule 3745-31-05(A)(3) (PTI 04-1358 as issued 9/2/2004)	30 pounds per hour of particulate matter equal to or less than 10 microns in diameter (PM10), 247 pounds of volatile organic compounds (VOC) per hour, and see b)(2)a. through b)(2)g.
b.	OAC rule 3745-17-07(A)(1)	See b)(2)h.
c.	OAC rule 3745-17-11(C)(1),(C)(2)	See b)(2)i.
e.	OAC rule 3745-21-09(C)(1)(c)	For a topcoat coating line, 2.8 pounds of VOC per gallon of coating, excluding water and exempt solvents, or 15.1 pounds VOC per gallon of deposited solids. See b)(2)h.
f.	OAC rule 3745-31-10 thru 20 (PTI 04-1358 as issued 9/2/2004)	4.8 pounds per hour of particulate emissions (PE), and see b)(2)j. through b)(2)l.
g.	OAC rule 3745-31-21 thru 27 (PTI 04-1358 as issued 9/2/2004)	See b)(2)m. and b)(2)n.
h.	40 CFR Part 60 Subpart A (40 CFR 60.1 through 60.19)	See b)(2)o.
i.	40 CFR Part 60 Subpart MM (40 CFR 60.390 through 60.398)	The permittee shall comply with the applicable requirements of 40 CFR Part



	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	In accordance with 40 CFR 63.390(a), this emissions unit is an automobile or light-duty truck assembly plant topcoat operation subject to the emission limitations/control measures specified in this section.	60, Subpart MM. See b)(2)h. and b)(2)p.
j.	40 CFR Part 63 Subpart A (40 CFR 63.1 through 63.16)	See b)(2)q.
k.	40 CFR Part 63 Subpart IIII (40 CFR 63.3080 through 63.3176) In accordance with 40 CFR 63.3081(b), this emissions unit is an existing automobile, or new light-duty truck, surface coating operation located at a facility which is a major source of HAPs subject to the emission limitations/control measures specified in this section.	The permittee shall comply with the applicable requirements of 40 CFR Part 63, Subpart IIII.
16.24 mmBtu/hr indirect fired, low NOx, natural gas clearcoat oven burners (combustion emissions)		
l.	OAC rule 3745-31-05(A)(3) (PTI 04-1358 as issued 9/2/2004)	0.083 pound carbon monoxide (CO) per mmBtu, 1.4 pounds of CO per hour, 6 tons of CO per year, 1.4 pounds of NOx per hour, 6 tons of NOx per year, 0.03 pound of PE per hour, 0.14 ton of PE per year, 0.12 pound of PM10 per hour, 0.53 ton of PM10 per year, 0.0006 pound sulfur dioxide (SO2) per mmBtu, 0.009 pound of SO2 per hour, 0.042 ton of SO2 per year, 0.09 pound of VOC per hour, 0.40 ton of VOC per year, and see b)(2)b., b)(2)r. and b)(2)s.
m.	OAC rule 3745-17-07(A)(1)	See b)(2)h.
n.	OAC rule 3745-17-10(B)(1)	See b)(2)h.
o.	OAC rule 3745-18-06(A)	See b)(2)t.



p.	OAC rule 3745-31-05(D) (PTI 04-1358 as issued 9/2/2004)	See b)(2)u.
q.	OAC rule 3745-31-10 thru 20 (PTI 04-1358 as issued 9/2/2004)	0.085 pound nitrogen oxides (NOx) per mmBtu, 0.0019 pound particulate emissions (PE) per mmBtu, 0.0075 pound of PM10 per mmBtu, and see b)(2)v.
r.	OAC rule 3745-31-21 thru 27 (PTI 04-1358 as issued 9/2/2004)	0.085 pound nitrogen oxides (NOx) per mmBtu, 0.0054 pound volatile organic compounds (VOC) per mmBtu, and see b)(2)w.
s.	40 CFR Part 63 Subpart A	See b)(2)q.
t.	40 CFR Part 63 Subpart DDDDD	See b)(2)x.
14.0 mmBtu/hr natural gas fired regenerative thermal oxidizer shared by K301 and K303 (combined combustion emissions)		
u.	OAC rule 3745-31-05(A)(3) (as effective 11/30/01)	1.16 pounds of CO per hour, 5.11 tons of CO per year, 1.19 pounds of nitrogen oxides (NOx) per hour, 5.24 tons of NOx per year, 0.03 pound of PE per hour, 0.13 ton of PE per year, 0.11 pound of PM10 per hour, 0.50 ton of PM10 per year, 0.019 pound of SO2 per hour, 0.093 ton of SO2 per year, 0.084 pound of VOC per hour, 0.037 ton of VOC per year, 5% opacity as a 6 minute average, and see b)(2)s. and b)(2)y.
v	OAC rule 3745-31-05(A)(3)(a)ii (as effective 12/01/06)	See b)(2)z.

(2) Additional Terms and Conditions

- a. The requirements of this rule also include compliance with the requirements of OAC rules 3745-31-10 thru 27, 40 CFR Part 60 Subpart MM, and 40 CFR Part 63 Subpart IIII.
- b. Visible particulate emissions from any stack serving the topcoat booths and associated operations shall not exceed 5% opacity as a 6-minute average.
- c. The hourly PE and VOC emission limitations above were established for PTI purposes to reflect the controlled potential to emit for this emissions unit based on the worst case operating scenario (82 jobs/hour). Therefore, it is not

necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with these limitations. The permittee shall operate and maintain a water wash system(s) to control PM10 emissions from each spray booth operation comprising this emissions unit. The water wash system(s) shall be installed, operated and maintained in accordance with the manufacturer's recommendations with any amendments deemed necessary by the permittee.

- d. The permittee shall operate and maintain a water wash system(s) to control PM10 emissions from each spray booth operation comprising this emissions unit. The water wash system(s) shall be installed, operated and maintained in accordance with the manufacturer's recommendations with any amendments deemed necessary by the permittee.
- e. The permittee shall operate and maintain a thermal oxidizer, with a 100% capture efficiency and a minimum of 95 percent control efficiency, to control VOC emissions from the sections of the coating line identified as the basecoat heated flash, clearcoat bells and topcoat ovens. The thermal oxidizer shall be installed, operated and maintained in accordance with the manufacturer's recommendations with any amendments deemed necessary by the permittee.
- f. The average combustion temperature within any thermal oxidizer, for any 3-hour block of time when the oxidizer is in operation as a VOC control device for compliance purposes, shall not be below the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.
- g. The permittee shall allow no visible emissions of fugitive dust from any enclosure serving the processes comprising this emissions unit.
- h. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).
- i. The permittee shall operate the waterwash system for the control of particulate emissions from each spray booth operation comprising this emissions unit whenever this emissions unit is in operation and shall maintain the waterwash in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

In the event the waterwash control system is not operating in accordance with the manufacturer's recommendations, instructions, or operating manual, with any modifications deemed necessary by the permittee, the control device shall be expeditiously repaired or otherwise returned to these documented operating conditions.

- j. The emissions of PM10 from any stack serving the spray booth operations shall not exceed 0.0015 grains per dry standard cubic foot (gr/dscf) of exhaust gases.
- k. The combined emissions of PE from the coating operations associated with this emissions unit shall not exceed 21 tons as a rolling, 12-month summation.

The hourly and annual PE emission limitations were established for PTI purposes to reflect the controlled 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 this limitation.

- I. The combined emissions of PM10 from the coating operations associated with this emissions unit shall not exceed 36.01 tons as a rolling, 12-month summation.

The annual PM10 emission limitation above was established for PTI purposes to reflect the controlled potential to emit for this emissions unit based on the worst case operating scenario (200,064 jobs per rolling, 12 month period). Therefore, it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with this limitation.

- m. The combined emissions of VOC from all coating operations performed in this emissions unit shall not exceed 5.42 pounds of volatile organic compounds per gallon of applied coating solids as a volume-weighted daily average.
- n. The combined emissions of VOC from all coating operations performed in this emissions unit shall not exceed 300.6 tons as a rolling, 12-month summation.
- o. 40 CFR Part 60, Subpart A provides applicability provisions, definitions, and other general provisions that are applicable to emissions units affected by 40 CFR Part 60.
- p. 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.
- q. 40 CFR Part 63, Subpart A, provides applicability provisions, definitions, and other general provisions that are applicable to emissions units affected by 40 CFR Part 63.
- r. The requirements of this rule also include compliance with the requirements of OAC rule 3745-31-05(D), OAC rule 3745-31-10 thru 27, 40 CFR Part 63 Subpart A and 40 CFR Part 63 Subpart DDDDD.
- s. The hourly and annual emission limitations above were established for PTI purposes to reflect the potential to emit for this emissions unit while combusting natural gas. Therefore, it is not necessary to develop monitoring, record keeping and/or reporting requirements to ensure compliance with these limitations.
- t. OAC rule 3745-18-06(A) does not establish SO2 emission limitations for the fuel burning equipment associated with this emissions unit because the emissions unit only employs 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 being burned in this emission 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.

- u. The combined emissions from the combustion of fuel oil and natural gas in B301 through B333, K301, K302, K303, K404 and K405 shall not exceed the following:
 - i. 36.40 tons of CO per rolling, 12-month period, and
 - ii. 9.19 tons of SO₂ per rolling, 12-month period.
- v. The combined emissions from the combustion of fuel oil and natural gas in B301 through B333, K301, K302, K303, K404 and K405 shall not exceed the following:
 - i. 37.89 tons of NO_x per rolling, 12-month period,
 - ii. 1.09 tons of PE per rolling, 12-month period, and
 - iii. 3.65 tons of PM₁₀ per rolling, 12-month period.
- w. The combined emissions from the combustion of fuel oil and natural gas in B301 through B333, K301, K302, K303, K404 and K405 shall not exceed the following:
 - i. 37.89 tons of NO_x per rolling, 12-month period, and
 - ii. 2.36 tons of VOC per rolling, 12-month period.
- x. On May 16, 2011, U.S. EPA decided to stay the Boiler MACT (40 CFR Part 63, Subpart DDDDD). This delay of effectiveness will remain in place until the proceedings for judicial review are completed or U.S. EPA completes its reconsideration of the rules, whichever is earlier, and the Agency publishes a notice in the Federal Register announcing that the rules are in effect. Upon being effective, this emissions unit will be subject to 40 CFR Part 63, Subpart DDDDD.

DISCUSSION OF PLACEHOLDER T&C

Since the Boiler MACT was published as a final rule, it is an applicable requirement to be listed in a Title V permit despite the fact that the EFFECTIVE date of the rule has been stayed. U.S. EPA has concurred that the Stay does not

trigger 112(j) case-by-case MACT requirements, therefore the previous Boiler MACT “placeholder” T&C cannot be used. DAPC has decided to continue to process Title V permits using the new placeholder T&C (above) until such time as a final effective rule is in place. At that time, DAPC intends to notify affected facilities that they should submit a Minor Permit Modification (MPM) application to incorporate the final effective Boiler MACT requirements into their final Title V permit using the EG#76 IBR approach. Therefore for Title V permits that are processed prior to the date of a final effective Boiler MACT rule it is important that the permit CITE the Boiler MACT as an applicable requirement in the Final Title V permit. The Title V modification guidance (section VII.B.1) allows for the Boiler MACT requirements to be added to the final permit via an MPM since these requirements would not be considered “newly promulgated” requirements provided 40 CFR Part 63, Subpart DDDDD is cited in the permit as an Applicable Requirement. The MPM permit only goes through the Proposed and Final stages of Title V permit issuance and this does not present a problem concerning these Title V permits since the Boiler MACT rule itself has been subject to public review and comment (including any portions subject to the Reconsideration of the rule). Therefore there is no need for the Title V permit Reopenings.

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

The Best Available Technology requirements under OAC rule 3745-31-05(A)(3) do not apply to the thermal oxidizer combustion emissions of carbon monoxide (CO), nitrogen oxides (NOx), particulate (PE), particulate matter less than or equal to 10 microns in diameter (PM10), sulfur dioxide (SO2), and volatile organic compound (VOC) from this air contaminant source since the uncontrolled potential to emit for CO, NOx, PE, PM10, PM2.5, SO2, and VOC is less than 10 tons per year.

c) **Operational Restrictions**

- (1) The permittee shall burn only natural gas as fuel in this emissions unit.
- (2) Each spray booth operation comprising this emissions unit shall be enclosed and all of the particulate emissions shall be exhausted through a water wash system.

- (3) The permittee shall operate the water wash system whenever the respective emission source is in operation.
 - (4) The maximum annual production rate through the topcoat operation shall not exceed 200,064 jobs (painted automobiles), based upon a rolling, 12-month summation. To ensure enforceability during the first twelve calendar months of operation, following the issuance of this permit, actual production records from the previous 11 calendar months of operation shall be used to calculate the rolling, 12-month production rate through this emissions unit and the facility.
 - (5) The maximum annual natural gas usage for B301 through B333, K301, K302, K303, K404 and K405 shall not exceed 845 mmscf, based upon a rolling, 12 month summation of the natural gas usage figures. To ensure enforceability during the first twelve calendar months of operation, following the issuance of this permit, actual emissions calculated from material usage records from the previous 11 calendar months of operation shall be used to calculate the rolling, 12-month emissions from this emissions unit and the facility.
 - (6) The maximum annual fuel usage for B301 through B333, K301, K302, K303, K404 and K405 shall not exceed 250,000 gallons, based upon a rolling, 12 month summation of the fuel oil usage figures. To ensure enforceability during the first twelve calendar months of operation, following the issuance of this permit, actual emissions calculated from material usage records from the previous 11 calendar months of operation shall be used to calculate the rolling, 12-month emissions from this emissions unit and the facility.
 - (7) See 40 CFR Part 60 Subpart MM (40 CFR 60.390 through 60.398).
 - (8) See 40 CFR Part 63 Subpart IIII (40 CFR 63.3080 through 63.3176).
- 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 operate and maintain a continuous temperature monitor(s) and recorder(s) which measures and records the combustion temperature within each thermal oxidizer when the oxidizer is in operation. The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitor(s) and recorder(s) shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any amendments deemed necessary by the permittee and approved by the Toledo Division of Environmental Services.
 - (3) Pursuant to OAC rule 3745-21-09(C)(4), the permittee shall maintain records for the top coat process that will enable the permittee to calculate the VOC emission rate in order to demonstrate compliance with the emissions limitation identified in b)(1) above for the topcoat process in accordance with the U.S. EPA's "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobiles and Light-Duty Truck

Topcoat Operations" (EPA-450/3-88-018, Dec.1988) and any subsequent revisions thereof. The permittee shall calculate the VOC emission rates for the topcoat operation in pounds of VOC per gallon of solids applied and in pounds of VOC per day, using the overall capture and control efficiency for the control equipment, as determined during the most recent emission test that demonstrated that the emissions unit was in compliance.

- (4) The permittee shall maintain monthly records of the following information for this emissions unit:
 - a. the rolling, 12-month summation of the monthly VOC emission rates (controlled), in tons;
 - b. the rolling 12-month summation of jobs produced through the paint shop.
- (5) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the waterwash control system, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.
- (6) The permittee shall conduct periodic inspections of the waterwash control to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.
- (7) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the waterwash control while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.
- (8) The permittee shall document each inspection (periodic and annual) of the waterwash control system and shall maintain the following information:
 - a. the date of the inspection;
 - b. a description of each/any problem identified and the date it was corrected;
 - c. a description of any maintenance and repairs performed; and
 - d. the name of person who performed the inspection.

These records shall be maintained at the facility for not less than five years from the date the inspection and any necessary maintenance or repairs were completed and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

- (9) The permittee shall maintain records that document any time periods when the waterwash control was not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the waterwash control was not operated according to the manufacturer's recommendations with any documented

modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

- (10) The permittee shall properly install, operate, and maintain equipment to monitor the total quantity of natural gas (in cubic feet) and fuel oil (in gallons) 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.
 - (11) The permittee shall maintain monthly records of the rolling 12-month total quantity of natural gas (in cubic feet per rolling, 12-month period) and fuel oil (in gallons per rolling, 12-month period) burned in B301 through B333, K301, K302, K303, K404 and K405.
 - (12) See 40 CFR Part 60 Subpart MM (40 CFR 60.390 through 60.398).
 - (13) See 40 CFR Part 63 Subpart IIII (40 CFR 63.3080 through 63.3176).
- 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 temperature deviation (excursion) reports that identify all 3-hour blocks of time during which the average combustion temperature within any thermal oxidizer, when the emissions unit was in operation, was below the average temperature during the most recent emission test that demonstrated that the emissions unit was in compliance.
 - (3) The permittee shall submit quarterly deviation (excursion) reports that include an identification of each day of the calendar quarter during which the calculated pounds of VOC per day, exceeded the emissions limitation specified in b)(1)., and the actual VOC emission rate for each such day.
 - (4) The permittee shall notify the Director (the Toledo Division of Environmental Services) in writing of any monthly record showing that the calculated, controlled VOC emission rates exceed(s) the applicable pounds of VOC per gallon of solids limitation for the topcoat process. The notification shall include a copy of such record and shall be sent to the Director (the Toledo Division of Environmental Services) within 30 days after the exceedance occurs.
 - (5) The permittee shall submit quarterly deviation (excursion) reports that include an identification of each month of the calendar quarter during which the annual production rate through the topcoat operation exceeded the operational restrictions specified in c)(4) and the actual cumulative annual production rate for each such month.
 - (6) The permittee shall submit quarterly reports which identify any daily record showing that the waterwash control system was not in service or not operated according to manufacturer's recommendations (with any documented modifications made by the permittee) when the emissions unit was in operation.

- (7) 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 or fuel in B301 through B333, K301, K302, K303, P306, K404 and K405 exceeded the operational restrictions specified in c)(5) and c)(6), and the actual cumulative quantity of fuel burned for each such month.
- (8) The quarterly deviation (excursion) reports shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.
- (9) By February 15 of each year, and in accordance with section 18 of the U.S.EPA's "Protocol for Determining the Daily Volatile Organic Compound Emission Rate of Automobiles and Light-Duty Truck Topcoat Operations" (EPA-450/3-88-018, December 1988) and any subsequent revisions thereof, the permittee shall submit to the Toledo Division of Environmental Services a report which reviews the current operating conditions for this emissions unit and compares them to the conditions in existence at the time of the most recent transfer efficiency tests.

If significant product, processing, material, or application equipment changes have occurred which necessitate a re-evaluation of the transfer efficiency for each operation which has been modified, the permittee shall complete the re-evaluation and submit the results to the Toledo Division of Environmental Services within 60 days following the completion of re-evaluation testing.

- (10) See 40 CFR Part 60 Subpart MM (40 CFR 60.390 through 60.398).
- (11) See 40 CFR Part 63 Subpart IIII (40 CFR 63.3080 through 63.3176).

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;

5% opacity, as a six-minute average

Applicable Compliance Method;

If required, compliance shall be determined through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(1).
 - b. Emission Limitation;

no visible emissions of fugitive dust

Applicable Compliance Method:

If required, compliance shall be demonstrated based upon visible emission observations performed in accordance with 40 CFR Part 60, Appendix A, Method 22 and the procedures specified in OAC rule 3745-17-03(B)(3).

c. Emission Limitation:

4.8 pounds of PE per hour

Applicable Compliance Method:

To determine the actual worst case particulate emission rate, the following equation shall be used:

$$E = (M) * (1-TE) * (1-CE)$$

where:

E = particulate emission rate (lbs/hr)

M = maximum coating solids usage rate (lbs/hr)

TE = transfer efficiency, which is the ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used

CE = control efficiency of the control equipment - If more than one piece of control equipment is used in series, the equation should be multiplied by additional (1-CE) terms for each additional piece of equipment.

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.

d. 21 tons of PE per rolling 12-month period

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation of the potential to emit for this emissions unit. This emission limitation was developed by multiplying the hourly maximum allowable emission limitation (4.8 pounds of PE per hour) by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/ton. Therefore, if compliance is shown with the hourly limitation, compliance shall also be shown with the annual emission limitation.

e. Emission Limitation:

0.0015 gr PM10/dscf

Applicable Compliance Method:

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.

f. Emission Limitation:

30 pounds of PM10 per hour

Applicable Compliance Method:

This emissions limitation was established based on a one-time calculation of the worst case operating scenario (82 jobs/hour) and a company supplied emissions factor (0.36 pound PM10/job).

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 201 and 202 of 40 CFR Part 52 Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

g. Emission Limitation:

36.01 tons of PM10 per rolling, 12-month period

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation, based upon the worst case operating scenario (200,064 jobs/year) and a company supplied emissions factor (0.36 pound PM10/job).

If required, the permittee shall demonstrate compliance with the site specific emission factor through emission testing performed in accordance with Methods 201 and 202 of 40 CFR Part 52 Appendix M. Alternate, equivalent methods may be used upon approval by the Toledo Division of Environmental Services.

h. Emission Limitation

5.42 pounds of VOC per gallon of applied coating solids as a volume-weighted daily average.

Applicable Compliance Method

Compliance shall be demonstrated through the record keeping requirements of d)(3) of this permit.

i. Emission Limitation:

247 pounds of VOC per hour

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation based on the worst case operating scenario (82 jobs/hour) and a company supplied emissions factor (3.0 pounds VOC/job).

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Methods 1 thru 4 and 25 or Method 24 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-21-10.

j. Emission Limitation:

The combined emissions of VOC from all coating operations performed in this emissions unit shall not exceed 300.6 tons as a rolling, 12-month summation.

Applicable Compliance Method:

Compliance shall be demonstrated through the record keeping requirements of Section A.III. of this permit. This emissions limitation was established based on a one-time calculation of the worst case operating scenario (200,064 jobs/year) and a company supplied emissions factor (3.0 pounds VOC/job).

If required, the permittee shall demonstrate compliance with the site specific emission factor through emission testing performed in accordance with Methods 1 thru 4 and 25 or Method 24 of 40 CFR Part 60 Appendix A using the methods and procedures specified in OAC rule 3745-21-10.

k. Emission Limitation:

100% capture efficiency and a minimum of 95 percent control efficiency

Applicable Compliance Method:

If required, the permittee shall demonstrate compliance with this emission limitation through emission testing performed in accordance with Method 25 of 40 CFR Part 60 Appendix A and Method 204 of 40 CFR Part 51, Appendix M, using the methods and procedures specified in OAC rule 3745-21-10. The permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA's "Guidelines for Determining Capture Efficiency", dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity and validity of the alternative, and may approve the use of the alternate if such approval does not contravene any other applicable requirement.)

(2) Compliance with the emission limitation(s) for the topcoat oven stacks shall be determined in accordance with the following methods(s):

a. Emission Limitation;

5% opacity, as a six-minute average

Applicable Compliance Method;

If required, compliance shall be determined through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A using the methods and 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:

1.4 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 (16.24 mmBtu/hr).

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:

6 tons of CO per year

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 (16.24 mmBtu/hr) and by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/ton.

e. Emission Limitation:

0.085 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 50 pounds of NO_x 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:

1.4 pounds of NO_x per hour

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.085 pound of NO_x per mmBtu) by the maximum heat input of the burners (16.24 mmBtu/hr).

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:

6 tons of NO_x per year

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.085 pound of NO_x per mmBtu) by the maximum heat input of the burners (16.24 mmBtu/hr) and by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/ton.

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:

0.03 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 (16.24 mmBtu/hr).

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. 0.14 ton of PE per rolling, 12-month period

Applicable Compliance Method:

This emission limitation was developed by multiplying the hourly maximum heat input (16.24 mmBtu/hr) by the allowable emission limitation (0.0019 pound of PE per mmBtu) and by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/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:

0.12 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 (16.24 mmBtu/hr).

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:

0.53 ton of PM10 per year

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 (16.24 mmBtu/hr) and by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/ton.

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:

0.009 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 (16.24 mmBtu/hr).

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:

0.042 ton of SO₂ per year

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 (16.24 mmBtu/hr) and by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/ton.

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:

0.09 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 (16.24 mmBtu/hr).

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:

0.40 ton of VOC per year

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 (66 mmBtu/hr) and by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/ton.

- t. The combined emissions from the combustion of fuel oil and natural gas in B301 through B333, K301, K302, K303, K404 and K405 shall not exceed the following:

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

37.89 tons of NOx as a rolling, 12-month summation

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

3.65 tons of PM10 as a rolling, 12-month summation

9.19 tons of SO2 as a rolling, 12 month summation

2.36 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.7. through B.11. of this permit.

- (3) Compliance with the combined emission limitation(s) for the thermal oxidizer combustion emissions shall be determined in accordance with the following methods(s):

- a. Emission Limitation;

5% opacity, as a six-minute average

Applicable Compliance Method;

If required, compliance shall be determined through visible emission observations performed in accordance with Method 9 of 40 CFR Part 60, Appendix A using the methods and procedures specified in OAC rule 3745-17-03(B)(1).

- b. Emission Limitation:

1.16 pounds of CO per hour

Applicable Compliance Method:

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:

5.11 tons of CO per year

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation of the annual potential to emit, based upon the worst case operating scenario. This emission limitation was developed by multiplying the allowable emission limitation (1.16 pounds of CO per hour) by 8760 hours per year, and then dividing by 2000 pounds per ton.

d. Emission Limitation:

1.19 pounds of NOx per hour

Applicable Compliance Method:

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.

e. Emission Limitation:

5.24 tons of NOx per year

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation of the annual potential to emit, based upon the worst case operating scenario. This emission limitation was developed by multiplying the allowable emission limitation (1.19 pounds of NOx per hour) by 8760 hours per year, and then dividing by 2000 pounds per ton.

f. Emission Limitation:

0.03 pound of PE per hour

Applicable Compliance Method:

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).

- g. 0.13 ton of PE per year

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.03 pound of PE per hour) by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/ton.

- h. Emission Limitation:

0.11 pound of PM10 per hour

Applicable Compliance Method:

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.

- i. Emission Limitation:

0.55 ton of PM10 per year

Applicable Compliance Method:

This emission limitation was developed by multiplying the allowable emission limitation (0.11 pound of PM10 per hour) by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/ton.

- j. Emission Limitation:

0.019 pound of SO2 per hour

Applicable Compliance Method:

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.

- k. Emission Limitation:

0.093 ton of SO2 per year

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation of the potential to emit for this emissions unit. This emission limitation was developed by multiplying the allowable emission limitation (0.019 pound of SO2 per hour) and by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/ton.

I. Emission Limitation:

0.084 pound of VOC per hour

Applicable Compliance Method:

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.

m. Emission Limitation:

0.37 ton of VOC per year

Applicable Compliance Method:

Compliance shall be demonstrated by a one-time calculation of the potential to emit for this emissions unit. This emission limitation was developed by multiplying the allowable emission limitation (0.084 pound of VOC per hour) and by the maximum annual hours of operation (8760 hrs), and then dividing by 2000 lbs/ton.

(4) See 40 CFR Part 60 Subpart MM (40 CFR 60.390 through 60.398).

(5) See 40 CFR Part 63 Subpart IIII (40 CFR 63.3080 through 63.3176).

g) Miscellaneous Requirements

(1) Should any coating formulations cause an odor, or process changes cause an increase in the quantity or intensity of odors emitted from this facility, as determined by the Toledo Division of Environmental Services, the company shall take corrective action to reduce the impact of the odors. The time schedule for the corrective action shall be approved by the Toledo Division of Environmental Services.