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

3/15/2011

Pamela Blakley *Via E-Mail Notification*
United States Environmental Protection Agency
Mail Code: AR-18J
77 West Jackson Blvd.
Chicago, IL 60604-3507

RE: PROPOSED AIR POLLUTION TITLE V PERMIT
Facility Name: Crown Cork & Seal
Facility ID: 0448010466
Permit Type: Renewal
Permit Number: P0088137

Dear Ms. Blakley:

A proposed OAC Chapter 3745-77 Title V permit for the referenced facility has been issued for review by U.S. EPA. This permit has been posted to the Division of Air Pollution Control (DAPC) Web page http://www.epa.ohio.gov/dapc in Microsoft Word and Adobe Acrobat format. If U.S. EPA does not object to this proposed permit, the permit will be processed for issuance as a final action not less than 45 days from the date of this letter. Please contact me at (614) 644-3631 by the end of the 45 day review period if you wish to object to the proposed permit.

Sincerely,

Michael W. Ahern

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

Cc: Toledo Department of Environmental Services

50 West Town Street, Suite 700
P.O. Box 1049
Columbus, OH 43216-1049

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Ohio | Environmental Protection Agency

PROPOSED

Division of Air Pollution Control
Title V Permit
for
Crown Cork & Seal

Facility ID:	0448010466
Permit Number:	P0088137
Permit Type:	Renewal
Issued:	3/15/2011
Effective:	To be entered upon final issuance
Expiration:	To be entered upon final issuance

Ohio Environmental Protection Agency

Division of Air Pollution Control
Title V Permit
for
Crown Cork & Seal

Table of Contents

Authorization 1
A. Standard Terms and Conditions 2
1. Federally Enforceable Standard Terms and Conditions 3
2. Monitoring and Related Record Keeping and Reporting Requirements 3
3. Scheduled Maintenance 6
4. Risk Management Plans 6
5. Title IV Provisions 7
6. Severability Clause 7
7. General Requirements 7
8. Fees 8
9. Marketable Permit Programs 8
10. Reasonably Anticipated Operating Scenarios 8
11. Reopening for Cause 8
12. Federal and State Enforceability 9
13. Compliance Requirements 9
14. Permit Shield 10
15. Operational Flexibility 11
16. Emergencies 11
17. Off-Permit Changes 11
18. Compliance Method Requirements 12
19. Insignificant Activities or Emissions Levels 12
20. Permit to Install Requirement 12
21. Air Pollution Nuisance 12
22. Permanent Shutdown of an Emissions Unit 12
23. Title VI Provisions 13
24. Reporting Requirements Related to Monitoring and Record Keeping Requirements Under State Law Only 13
25. Records Retention Requirements Under State Law Only 14
26. Inspections and Information Requests 14
27. Scheduled Maintenance/Malfunction Reporting 14
28. Permit Transfers 14

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

B. Facility-Wide Terms and Conditions 16

C. Emissions Unit Terms and Conditions 18

1. B004, Paint line Steam Boiler 19
2. K001, 66 inch coil coating line 25
3. K004, 2nd coater - 36 inch coil coating line (South Coater) 40
4. K005, 36 inch coil coating line (North Coater) 57

Authorization

Facility ID: 0448010466
Facility Description: Metal coil coating facility.
Application Number(s): A0019286, A0019287, A0019288
Permit Number: P0088137
Permit Description: Title V permit renewal for metal coil coating facility
Permit Type: Renewal
Issue Date: 3/15/2011
Effective Date: To be entered upon final issuance
Expiration Date: To be entered upon final issuance
Superseded Permit Number: P0088136

This document constitutes issuance of an OAC Chapter 3745-77 Title V permit to:

Crown Cork & Seal
5201 Enterprise Blvd
Toledo, OH 43612

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 Title V permit pursuant to Chapter 3745-77 of the Ohio Administrative Code. This permit and the authorization to operate the air contaminant sources (emissions units) at this facility shall expire at midnight on the expiration date shown above. You will be sent a notice approximately 18 months prior to the expiration date regarding the renewal of this permit. If you do not receive a notice, please contact the Toledo Department of Environmental Services. If a renewal permit is not issued prior to the expiration date, the permittee may continue to operate pursuant to OAC rule 3745-77-08(E) and in accordance with the terms of this permit beyond the expiration date, if a timely renewal application is submitted. A renewal application will be considered timely if it is submitted no earlier than 18 months (540 days) and no later than 6 months (180 days) prior to the expiration date.

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency

Scott J. Nally
Director

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. 24., Reporting Requirements Related to Monitoring and Record Keeping Requirements of State-Only Enforceable Permit Terms and Conditions

(2) Standard Term and Condition A. 25., Records Retention Requirements for State-Only Enforceable Permit Terms and Conditions

(3) Standard Term and Condition A. 27., Scheduled Maintenance/Malfunction Reporting

(4) Standard Term and Condition A. 29., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations

(Authority for term: ORC 3704.036(A))

2. 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 (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit), 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.

(Authority for term: OAC rule 3745-77-07(A)(3)(b)(i))

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 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.

(Authority for term: OAC rule 3745-77-07(A)(3)(b)(ii))

c) The permittee shall submit required reports in the following manner:

(1) All reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations caused by malfunctions shall be submitted in the following manner:

Any malfunction, as defined in OAC rule 3745-15-06(B)(1), shall be promptly reported to the Ohio EPA in accordance with OAC rule 3745-15-06. In addition, to fulfill the OAC rule 3745-77-07(A)(3)(c) deviation reporting requirements for malfunctions, written reports that identify each malfunction that occurred during each calendar quarter (including each malfunction reported only verbally in accordance with OAC rule 3745-15-06) shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year in accordance with Standard Term and Condition A.2.c)(2) below; and each report shall cover the previous calendar quarter. An exceedance of the visible emission limitations specified in OAC rule 3745-17-07(A)(1) that is caused by a malfunction is not a violation and does not need to be reported as a deviation if the owner or operator of the affected air contaminant source or air pollution control equipment complies with the requirements of OAC rule 3745-17-07(A)(3)(c).

In accordance with OAC rule 3745-15-06, a malfunction reportable under OAC rule 3745-15-06(B) is a deviation of the federally enforceable permit requirements. Even though verbal notifications and written reports are required for malfunctions pursuant to OAC rule 3745-15-06, the written reports required pursuant to this term must be submitted quarterly to satisfy the prompt reporting provision of OAC rule 3745-77-07(A)(3)(c).

In identifying each deviation caused by a malfunction, the permittee shall specify the emission limitation(s) (or control requirement(s)) for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. For a specific malfunction, if this information has been provided in a written report that was submitted in accordance with OAC rule 3745-15-06, the permittee may simply reference that written report to identify the deviation. Nevertheless, all malfunctions, including those reported only verbally in accordance with OAC rule 3745-15-06, must be reported in writing on a quarterly basis.

Any scheduled maintenance, as referenced in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described above for malfunctions.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

(2) Except as may otherwise be provided in the terms and conditions for a specific emissions unit (i.e., in section C. Emissions Unit Terms and Conditions of this Title V permit or, in some cases, in section B. Facility-Wide Terms and Conditions of this Title V permit), all reporting required in accordance with OAC rule 3745-77-07(A)(3)(c) for deviations of the emission limitations, operational restrictions, and control device operating parameter limitations shall be submitted in the following manner:

Written reports of (a) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, (b) the probable cause of such deviations, and (c) any corrective actions or preventive measures taken, shall be promptly made to the appropriate Ohio EPA District Office or local air agency. Except as provided below, the written reports shall be submitted (i.e., postmarked) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.

In identifying each deviation, the permittee shall specify the emission limitation(s), operational restriction(s), and/or control device operating parameter limitation(s) for which the deviation occurred, describe each deviation, and provide the estimated magnitude and duration of each deviation.

These written deviation reports shall satisfy the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations. Full compliance with OAC rule 3745-77-07(A)(3)(c) requires reporting of all other deviations of the federally enforceable requirements specified in the permit as required by such rule.

If an emissions unit has a deviation reporting requirement for a specific emission limitation, operational restriction, or control device operating parameter limitation that is not on a quarterly basis (e.g., within 30 days following the end of the calendar month, or within 30 or 45 days after the exceedance occurs), that deviation reporting requirement satisfies the reporting requirements specified in this Standard Term and Condition for that specific emission limitation, operational restriction, or control device parameter limitation. Following the provisions of that non-quarterly deviation reporting requirement will also satisfy (for the deviations so reported) the requirements of OAC rule 3745-77-07(A)(3)(c) pertaining to the submission of monitoring reports every six months and to the prompt reporting of all deviations, and additional quarterly deviation reports for that specific emission limitation, operational restriction, or control device parameter limitation are not required pursuant to this Standard Term and Condition.

See A.29 below if no deviations occurred during the quarter.
(Authority for term: OAC rule 3745-77-07(A)(3)(c))

(3) All reporting required in accordance with the OAC rule 3745-77-07(A)(3)(c) for other deviations of the federally enforceable permit requirements which are not reported in accordance with Standard Term and Condition A.2)c)(2) above shall be submitted in the following manner:

Unless otherwise specified by rule, written reports that identify deviations of the following federally enforceable requirements contained in this permit; Standard Terms and Conditions: A.3, A.4, A.5, A.7.e), A.8, A.13, A.15, A.19, A.20, A.21, and A.23 of this Title V permit, as well as any deviations from the requirements in section C. Emissions Unit Terms and Conditions of this Title V permit, and any monitoring, record keeping, and reporting requirements, which are not reported in accordance with Standard Term and Condition A.2.c)(2) above shall be submitted (i.e., postmarked) to the appropriate Ohio EPA District Office or local air agency by January 31 and July 31 of each year; and each report shall cover the previous six calendar months. Unless otherwise specified by rule, all other deviations from federally enforceable requirements identified in this permit shall be submitted annually as part of the annual compliance certification, including deviations of federally enforceable requirements not specifically addressed by permit or rule for the insignificant activities or emissions levels (IEU) identified in section B. Facility-Wide Terms and Conditions of this Title V permit. Annual reporting of deviations is deemed adequate to meet the deviation reporting requirements for IEUs unless otherwise specified by permit or rule.

In identifying each deviation, the permittee shall specify the federally enforceable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation.

These semi-annual and annual written reports shall satisfy the reporting requirements of OAC rule 3745-77-07(A)(3)(c) for any deviations from the federally enforceable requirements contained in this permit that are not reported in accordance with Standard Term and Condition A.2.c)(2) above.

If no such deviations occurred during a six-month period, the permittee shall submit a semi-annual report which states that no such deviations occurred during that period.

(Authority for term: OAC rules 3745-77-07(A)(3)(c)(i) and (ii) and OAC rule 3745-77-07(A)(13)(b))

(4) 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 (including any written malfunction reports required by OAC rule 3745-15-06 that are referenced in the deviation reports) are true, accurate, and complete."

(Authority for term: OAC rule 3745-77-07(A)(3)(c)(iv))

(5) Reports of any required monitoring and/or record keeping information shall be submitted to Toledo Department of Environmental Services.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

3. Scheduled Maintenance

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. Except as provided in OAC rule 3745-15-06(A)(3), any scheduled maintenance necessitating the shutdown or bypassing of any air pollution control system(s) shall be accompanied by the shutdown of the emissions unit(s) that is (are) served by such control system(s). Any scheduled maintenance, as defined in OAC rule 3745-15-06(A)(1), that results in a deviation from a federally enforceable emission limitation (or control requirement) shall be reported in the same manner as described for malfunctions in Standard Term and Condition A.2.c)(1) above.

(Authority for term: OAC rule 3745-77-07(A)(3)(c))

4. Risk Management Plans

If applicable, the permittee shall 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"); and, pursuant to 40 C.F.R. 68.215(a), the permittee shall submit either of the following:

a) a compliance plan for meeting the requirements of 40 C.F.R. Part 68 by the date specified in 40 C.F.R. 68.10(a) and OAC 3745-104-05(A); or

b) as part of the compliance certification submitted under 40 C.F.R. 70.6(c)(5), a certification statement that the source is in compliance with all requirements of 40 C.F.R. Part 68 and OAC Chapter 3745-104, including the registration and submission of the risk management plan.

(Authority for term: OAC rule 3745-77-07(A)(4))

5. 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.

(Authority for term: OAC rule 3745-77-07(A)(5))

6. Severability Clause

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.
(Authority for term: OAC rule 3745-77-07(A)(6))

7. 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 reissuance, or modification, or for denial of a permit renewal application.

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, reopened, revoked, or revoked and reissued, for cause, in accordance with Standard Term and Condition A.11 below. 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, reopening 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.

(1) Except as otherwise indicated below, this Title V permit, or permit modification, is effective for five years from the original effective date specified in the permit. In the event

that this facility becomes eligible for non-title V permits, this permit shall cease to be enforceable when:

(2) the permittee submits an approved facility-wide potential to emit analysis supporting a claim that the facility no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on the permanent shutdown and removal of one or more emissions units identified in this permit; or

(3) the permittee no longer meets the definition of a "major source" as defined in OAC rule 3745-77-01(W) based on obtaining restrictions on the facility-wide potential(s) to emit that are federally enforceable or legally and practically enforceable ; or

(4) a combination of (1) and (2) above.

The permittee shall continue to comply with all applicable OAC Chapter 3745-31 requirements for all regulated air contaminent sources once this permit ceases to be enforceable. The permittee shall comply with any residual requirements, such as quarterly deviation reports, semi-annual deviation reports, and annual compliance certifications covering the period during which this Title V permit was enforceable. All records relating to this permit must be maintained in accordance with law.

(Authority for term: OAC rule 3745-77-01(W), OAC rule 3745-77-07(A)(3)(b)(ii), OAC rule 3745-77(A)(7))

8. 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.
(Authority for term: OAC rule 3745-77-07(A)(8))

9. Marketable Permit Programs

No revision of this permit is required under any approved economic incentive, marketable permits, emissions trading, and other similar programs or processes for changes that are provided for in this permit.
(Authority for term: OAC rule 3745-77-07(A)(9))

10. Reasonably Anticipated Operating Scenarios

The permittee is hereby authorized to make changes among operating scenarios authorized in this permit without notice to the Ohio EPA, but, contemporaneous with making a change from one operating scenario to another, the permittee must record in a log at the permitted facility the scenario under which the permittee is operating. The permit shield provided in these standard terms and conditions shall apply to all operating scenarios authorized in this permit.
(Authority for term: OAC rule 3745-77-07(A)(10))

11. Reopening for Cause

This Title V permit will be reopened prior to its expiration date under the following conditions:

a) Additional applicable requirements under the Act become applicable to one or more emissions units covered by this permit, and this permit has a remaining term of three or more years. Such

a reopening shall be completed not later than eighteen (18) months after promulgation of the applicable requirement. No such reopening is required if the effective date of the requirement is later than the date on which the permit is due to expire, unless the original permit or any of its terms and conditions has been extended pursuant to paragraph (E)(1) of OAC rule 3745-77-08.

b) This permit is issued to an affected source under the acid rain program and additional requirements (including excess emissions requirements) become applicable. Upon approval by the Administrator, excess emissions offset plans shall be deemed to be incorporated into the permit, and shall not require a reopening of this permit.

c) The Director of the Ohio EPA or the Administrator of the U.S. EPA determines that the federally applicable requirements in this permit are based on a material mistake, or that inaccurate statements were made in establishing the emissions standards or other terms and conditions of this permit related to such federally applicable requirements.

d) The Administrator of the U.S. EPA or the Director of the Ohio EPA determines that this permit must be revised or revoked to assure compliance with the applicable requirements.

(Authority for term: OAC rules 3745-77-07(A)(12) and 3745-77-08(D))

12. Federal and State Enforceability

Only those terms and conditions designated in this permit as federally enforceable, that 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, the State, and citizens under the Act. All other terms and conditions of this permit shall not be federally enforceable and shall be enforceable under State law only.
(Authority for term: OAC rule 3745-77-07(B))

13. Compliance Requirements

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

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

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

(2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with paragraph (E) of OAC rule 3745-77-03.

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

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

c) The permittee shall submit progress reports to the appropriate Ohio EPA District Office or local air agency concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:

(1) Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.

(2) An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

d) Compliance certifications concerning the terms and conditions contained in this permit that are federally enforceable emission limitations, standards, or work practices, shall be submitted to the Director (the appropriate Ohio EPA District Office or local air agency) and the Administrator of the U.S. EPA in the following manner and with the following content:

(1) Compliance certifications shall be submitted annually on a calendar year basis. The annual certification shall be submitted (i.e., postmarked) on or before April 30th of each year during the permit term.

(2) Compliance certifications shall include the following:

a. An identification of each term or condition of this permit that is the basis of the certification.

b. The permittee's current compliance status.

c. Whether compliance was continuous or intermittent.

d. The method(s) used for determining the compliance status of the source currently and over the required reporting period.

e. Such other facts as the Director of the Ohio EPA may require in the permit to determine the compliance status of the source.

(3) Compliance certifications shall contain such additional requirements as may be specified pursuant to sections 114(a)(3) and 504(b) of the Act.

(Authority for term: OAC rules 3745-77-07(C)(1),(2),(4) and (5) and ORC section 3704.03(L))

14. Permit Shield

a) Compliance with the terms and conditions of this permit (including terms and conditions established for alternate operating scenarios, emissions trading, and emissions averaging, but excluding terms and conditions for which the permit shield is expressly prohibited under OAC rule 3745-77-07) shall be deemed compliance with the applicable requirements identified and addressed in this permit as of the date of permit issuance.

b) This permit shield provision shall apply to any requirement identified in this permit pursuant to OAC rule 3745-77-07(F)(2), as a requirement that does not apply to the source or to one or more emissions units within the source.

(Authority for term: OAC rule 3745-77-07(F))

15. Operational Flexibility

The permittee is authorized to make the changes identified in OAC rule 3745-77-07(H)(1)(a) to (H)(1)(c) within the permitted stationary source without obtaining a permit revision, if such change is not a modification under any provision of Title I of the Act [as defined in OAC rule 3745-77-01(JJ)], and does not result in an exceedance of the emissions allowed under this permit (whether expressed therein as a rate of emissions or in terms of total emissions), and the permittee provides the Administrator of the U.S. EPA and the appropriate Ohio EPA District Office or local air agency with written notification within a minimum of seven days in advance of the proposed changes, unless the change is associated with, or in response to, emergency conditions. If less than seven days notice is provided because of a need to respond more quickly to such emergency conditions, the permittee shall provide notice to the Administrator of the U.S. EPA and the appropriate District Office of the Ohio EPA or local air agency as soon as possible after learning of the need to make the change. The notification shall contain the items required under OAC rule 3745-77-07(H)(2)(d).

(Authority for term: OAC rules 3745-77-07(H)(1) and (2))

16. Emergencies

The permittee shall have an affirmative defense of emergency to an action brought for noncompliance with technology-based emission limitations if the conditions of OAC rule 3745-77-07(G)(3) are met. This emergency defense provision is in addition to any emergency or upset provision contained in any applicable requirement.
(Authority for term: OAC rule 3745-77-07(G))

17. Off-Permit Changes

The owner or operator of a Title V source may make any change in its operations or emissions at the source that is not specifically addressed or prohibited in the Title V permit, without obtaining an amendment or modification of the permit, provided that the following conditions are met:

a) The change does not result in conditions that violate any applicable requirements or that violate any existing federally enforceable permit term or condition.

b) The permittee provides contemporaneous written notice of the change to the Director and the Administrator of the U.S. EPA, except that no such notice shall be required for changes that qualify as insignificant emissions levels or activities as defined in OAC rule 3745-77-01(U). Such written notice shall describe each such change, the date of such change, any change in emissions or pollutants emitted, and any federally applicable requirement that would apply as a result of the change.

c) The change shall not qualify for the permit shield under OAC rule 3745-77-07(F).

d) The permittee shall keep a record describing all changes made at the source that result in emissions of a regulated air pollutant subject to an applicable requirement, but not otherwise regulated under the permit, and the emissions resulting from those changes.

e) The change is not subject to any applicable requirement under Title IV of the Act or is not a modification under any provision of Title I of the Act.

Paragraph (I) of rule 3745-77-07 of the Administrative Code applies only to modification or amendment of the permittee's Title V permit. The change made may require a permit-to-install under Chapter 3745-31 of the Administrative Code if the change constitutes a modification as defined in that Chapter. Nothing in paragraph (I) of rule 3745-77-07 of the Administrative Code shall affect any applicable obligation under Chapter 3745-31 of the Administrative Code.

(Authority for term: OAC rule 3745-77-07(I))

18. Compliance Method Requirements

Nothing in this permit shall alter or affect the ability of any person to establish compliance with, or a violation of, any applicable requirement through the use of credible evidence to the extent authorized by law. Nothing in this permit shall be construed to waive any defenses otherwise available to the permittee, including but not limited to, any challenge to the Credible Evidence Rule (see 62 Fed. Reg. 8314, Feb. 24, 1997), in the context of any future proceeding.

(This term is provided for informational purposes only.)

19. Insignificant Activities or Emissions Levels

Each IEU that has one or more applicable requirements shall comply with those applicable requirements.

(Authority for term: OAC rule 3745-77-07(A)(1))

20. Permit to Install Requirement

Prior to the "installation" or "modification" of any "air contaminant source," as those terms are defined in OAC rule 3745-31-01, a permit to install must be obtained from the Ohio EPA pursuant to OAC Chapter 3745-31.

(Authority for term: OAC rule 3745-77-07(A)(1))

21. 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.

(Authority for term: OAC rule 3745-77-07(A)(1))

22. Permanent Shutdown of an Emissions Unit

The permittee may notify Ohio EPA of any emissions unit that is permanently shut down by submitting a certification from the responsible 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 responsible official that the emissions unit was permanently shut down.

After the date on which an emissions unit is permanently shut down (i.e., that 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 and therefore ceases to meet the definition of an "emissions unit" as defined in OAC rule 3745-77-01(O)), rendering existing permit terms and conditions irrelevant, the permittee shall not be required, after the date of the certification and submission to Ohio EPA, to meet any Title V permit requirements applicable to that emissions unit, except for any residual requirements, such as the quarterly deviation reports, semi-annual deviation reports and annual compliance certification covering the period during which the emissions unit last operated. All records relating to the shutdown emissions unit, generated while the emissions unit was in operation, must be maintained in accordance with law.

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

(Authority for term: OAC rule 3745-77-01)

23. Title VI Provisions

If applicable, the permittee shall comply with the standards for recycling and reducing emissions of ozone depleting substances pursuant to 40 CFR Part 82, Subpart F, except as provided for motor vehicle air conditioners in Subpart B of 40 CFR Part 82:

a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices specified in 40 CFR 82.156.

b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment specified in 40 CFR 82.158.

c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

(Authority for term: OAC rule 3745-77-01(H)(11))

24. Reporting Requirements Related to Monitoring and Record Keeping Requirements Under State Law Only

The permittee shall submit required reports in the following manner:

a) Reports of any required monitoring and/or record keeping information shall be submitted to the appropriate Ohio EPA District Office or local air agency.

b) Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (i) any deviations (excursions) from emission limitations, operational restrictions, and control device operating parameter limitations that have been detected by the testing, monitoring, and record keeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures which have been or will be taken, shall be submitted to the appropriate Ohio EPA District Office or local air

agency. In identifying each deviation, the permittee shall specify the applicable requirement for which the deviation occurred, describe each deviation, and provide the magnitude and duration of each deviation. 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.)

25. Records Retention Requirements Under State Law Only

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.

26. Inspections and Information Requests

The Director of the Ohio EPA, or an authorized representative of the Director, may, subject to the safety requirements of the permittee and without undue delay, enter upon the premises of this source at any reasonable time for purposes of making inspections, conducting tests, examining records or reports pertaining to any emission of air contaminants, and determining compliance with any applicable State air pollution laws and regulations and the terms and conditions of this permit. 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, reopening or revoking this permit or to determine compliance with this permit. Upon verbal or written request, the permittee shall also furnish to the Director of the Ohio EPA, or an authorized representative of the Director, copies of records required to be kept by this permit.

(Authority for term: OAC rule 3745-77-07(C))

27. 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 of any emissions units or any associated air pollution control system(s) shall be reported to the appropriate Ohio EPA District Office or local air agency in accordance with paragraph (B) of 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 emissions unit(s) that is (are) served by such control system(s).

28. Permit Transfers

Any transferee of this permit shall assume the responsibilities of the prior permit holder. The appropriate Ohio EPA District Office or local air agency must be notified in writing of any transfer of this permit.

(Authority for term: OAC rule 3745-77-01(C))

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

If no emission limitation (or control requirement), operational restriction and/or control device parameter limitation 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) by January 31, April 30, July 31, and October 31 of each year; and each report shall cover the previous calendar quarter.
The permittee is not required to submit a quarterly report which states that no deviations occurred during that quarter for the following situations:

a) where an emissions unit has deviation reporting requirements for a specific emission limitation, operational restriction, or control device parameter limitation that override the deviation reporting requirements specified in Standard Term and Condition A.2.c)(2); or

b) where an uncontrolled emissions unit has no monitoring, record keeping, or reporting requirements and the emissions unit's applicable emission limitations are established at the potentials to emit; or

c) where the company's responsible official has certified that an emissions unit has been permanently shut down.

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) B.6.

2. The following emissions units contained in this permit are subject to 40 CFR Part 60, Subpart TT: K004 and K005. 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 DDDDD: B001, B004, and B005. 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 SSSS: K001, K004 and K005. 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 following insignificant emissions units are located at this facility.

   B001 – office boiler; and

   B005 - 1.47 mmBtu/hr natural gas-fired boiler / Wise retort boiler.

   Each insignificant emissions unit at this facility must comply with all applicable State and federal regulations, as well as any emission limitations and/or control requirements contained within the identified Permit to Install for the emissions unit. Insignificant emissions units listed above that are not subject to specific permit to install requirements are subject to one or more applicable requirements contained in the federally-approved versions of OAC Chapters 3745-17, 3745-18, and/or 3745-21.

6. The following insignificant emissions units located at this facility are exempt from permit requirements because they are not subject to any applicable requirements or because they meet the “de minimis” criteria established in OAC rule 3745-15-05:

   B002 - make-up air heaters;

   B003 - unit heaters;

   T001 - storage tank 1;

   T002 - storage tank 2;

   Z004 - storage tank 3; and

   Z006 - five parts washers.

C. Emissions Unit Terms and Conditions

1. B004, Paint line Steam Boiler

Operations, Property and/or Equipment Description:

16.8 mmBtu/hr Eclipse Lookout natural gas fired boiler with no control

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(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. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI P0105134 as issued 3/10/2010)	Carbon monoxide (CO) emissions shall not exceed 0.08 pound per million BTU of actual heat input and 6.1 tons per year. Nitrogen oxides (NO_x) emissions shall not exceed 0.1 pound per million BTU of actual heat input and 10.3 tons per year. Particulate emissions (PE) shall not exceed 0.020 pound per million BTU of actual heat input and 1.5 tons per year. Sulfur dioxide (SO_2) emissions shall not exceed 0.00083 pound per million BTU of actual heat input and 0.1 ton per year. Volatile organic compounds (VOC) emissions shall not exceed 0.005 pound per million BTU of actual heat input and 0.4 ton per year. See b)(2)a.
b.	OAC rule 3745-17-07(A)(1)	See b)(2)b.
c.	OAC rule 3745-17-10(B)(1)	See b)(2)c.
d.	OAC rule 3745-18-06(A)	See b)(2)d.

e.	40 CFR Part 63, Subpart DDDDD [In accordance with 40 CFR 63.7506(b), this emissions unit is an existing large gaseous fuel industrial boiler located at a major source of hazardous air pollutants and subject to the reporting requirements specified in this section.	This emissions unit is only subject to the initial notification requirements in 40 CFR 63.9(b).
f.	40 CFR 63.1-15 (40 CFR 63.7506(b))	This emissions unit is only subject to the initial notification requirements in 40 CFR 63.9(b).

(2) Additional Terms and Conditions

a. The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A)(1) and 3745-17-10(B)(1).

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

c. The short term PE limitation established pursuant to OAC rule 3745-31-05(A)(3) is equivalent to that specified by OAC rule 3745-17-10(B)(1).

d. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

c) Operational Restrictions

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

[Authority for term: OAC rule 3745-77-07(A)(1)]

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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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 reports required in this permit shall be submitted in accordance with the reporting requirements of the Standard Terms and Conditions of this permit.

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

(4) The permittee shall submit semiannual reports and such other notifications and reports to the Toledo Division of Environmental Services and EPA Region 5 as are required pursuant to 40 CFR Part 63 Subpart DDDDD, per the following sections:

63.7506(b)	Initial notification requirements in 40 CFR 63.9(b)

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) and b)(2) of these terms and conditions shall be determined in accordance with the following methods:

a. Emission Limitation:

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

Applicable Compliance Method:

If required, compliance shall be determined through visible emissions observations performed in accordance with OAC rule 3745-17-03(B)(1).

[Authority for term: OAC rule 3745-77-07(C)(1)]

b. Emission Limitation:

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

Applicable Compliance Method:

Compliance may be determined by the following one time calculation. Divide the particulate emissions factor from AP-42 Table 1.4-2 dated 7/98 (1.9 pounds per million standard cubic feet) by the natural gas heating value (1,020 mmBtu/mmscf).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Methods 1 through 5 of 40 CFR Part 60, Appendix A and OAC rule 3745-17-03(B)(9). Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

[Authority for term: OAC rule 3745-77-07(C)(1)]

c. Emission Limitation:

PE shall not exceed 1.5 tons per year

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable particulate emission limitation (0.020 lb/mmBtu) by the maximum heat input capacity (16.8 mmBtu/hr) and by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

d. Emission Limitation:

CO emissions shall not exceed 0.08 pound per million BTU of actual heat input.

Applicable Compliance Method:

Compliance may be determined by the following one time calculation. Divide the CO emission factor from AP-42 Table 1.4-1 dated 7/98 (84 pounds per million standard cubic feet) by the natural gas heating value (1,020 mmBtu/mmscf).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Methods 1 through 4 and 10 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

[Authority for term: OAC rule 3745-77-07(C)(1)]

e. Emission Limitation:

CO emissions shall not exceed 6.1 tons per year.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable CO emission limitation (0.08 lb/mmBtu) by the maximum heat input capacity (16.8 mmBtu/hr) and by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

f. Emission Limitation:

NO_x emissions shall not exceed 0.1 pound per million BTU of actual heat input.

Applicable Compliance Method:

Compliance may be determined by the following one time calculation. Divide the NO_x emission factor from AP-42 Table 1.4-1 dated 7/98 (100 pounds per million standard cubic feet) by the natural gas heating value (1,020 mmBtu/mmscf).

If required, the permittee shall demonstrate compliance with this NO_x emission limitation in accordance with the methods and procedures specified in Methods 1 through 4 and 7 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA-approved test methods may be used with prior approval from the Ohio EPA.

[Authority for term: OAC rule 3745-77-07(C)(1)]

g. Emission Limitation:

NO_x emissions shall not exceed 10.3 tons per year.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable NO_x emission limitation (0.1 lb/mmBtu) by the maximum heat input capacity (16.8 mmBtu/hr) and by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

h. Emission Limitation:

SO_2 emissions shall not exceed 0.00083 pound per million BTU of actual heat input.

Applicable Compliance Method:

Compliance may be determined by the following one time calculation. Divide the SO_2 emission factor from AP-42 Table 1.4-1 dated 7/98 (0.6 pound per million standard cubic feet) by the natural gas heating value (1,020 mmBtu/mmscf).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in OAC rule 3745-18-04(E).

[Authority for term: OAC rule 3745-77-07(C)(1)]

i. Emission Limitation:

SO_2 emissions shall not exceed 0.1 ton per year.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable SO_2 emission limitation (0.00083 lb/mmBtu) by the maximum heat input capacity (16.8 mmBtu/hr) and by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

j. Emission Limitation:

VOC emissions shall not exceed 0.005 pound per million BTU of actual heat input.

Applicable Compliance Method:

Compliance may be determined by the following one time calculation. Divide the VOC emission factor from AP-42 Table 1.4-1 dated 7/98 (5.5 pounds per million standard cubic feet) by the natural gas heating value (1,020 mmBtu/mmscf).

If required, the permittee shall demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Method 25 of 40 CFR Part 60, Appendix A.

[Authority for term: OAC rule 3745-77-07(C)(1)]

k. Emission Limitation:

VOC emissions shall not exceed 0.4 ton per year.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable VOC emission limitation (0.005 lb/mmBtu) by the maximum heat input capacity (16.8 mmBtu/hr) and by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

2. K001, 66 inch coil coating line

Operations, Property and/or Equipment Description:

66 inch aluminum coil coating line and 16 mmBtu/hr direct-fired natural gas drying oven controlled with a permanent total enclosure and 7.5 mmBtu/hr catalytic incinerator

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(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. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI P0105929 issued 3/10/2010)	Carbon monoxide (CO) emissions shall not exceed 1.9 pounds per hour and 8.3 tons per year. Nitrogen oxides (NO_x) emissions shall not exceed 2.3 pounds per hour and 10.07 tons per year. Particulate emissions (PE) shall not exceed 0.04 pound per hour and 0.18 ton per year. Sulfur dioxide (SO_2) emissions shall not exceed 0.01 pound per hour and 0.04 ton per year. Volatile organic compounds (VOC) emissions from coatings and cleanup materials shall not exceed 70.0 pounds per hour. See b)(2)a through b)(2)d.
b.	OAC rule 3745-31-05(D) (PTI P0105929 issued 3/10/2010)	VOC emissions from coatings and cleanup materials shall not exceed 182.1 tons per year, based upon a rolling, 365-day summation of the daily emissions.
c.	OAC rule 3745-17-07(A)(1)	See b)(2)e.
d.	OAC rule 3745-17-11(A)(2)	See b)(2)f.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
e.	OAC rule 3745-18-06(A)	See b)(2)f.
f.	OAC rules 3745-21-09(E) and 3745-21-09(B)(6)	See b)(2)f.
g.	40 CFR Part 60, Subpart TT	See b)(2)g.
h.	40 CFR Part 63, Subpart A (40 CFR 63.1 – 16)	Table 2 of 40 CFR Part 63, Subpart SSSS provides cross-references, indicating which parts of the General Provisions apply.
i.	40 CFR Part 63, Subpart SSSS (40 CFR 63.5080 – 5201) [This metal coil coating line is subject to the emission standards in 63.5120.]	The permittee shall comply with one of the following emission standards: 98% overall control of organic HAP for each month during each 12-month compliance period; 0.046 kilogram of organic HAP per liter (0.38 lb/gal) of solids applied during each 12-month compliance period; or 100% capture efficiency and organic HAP emissions shall not exceed 20 parts per million by volume (ppmv) on a dry basis.

(2) Additional Terms and Conditions

a. The permittee shall operate and maintain a permanent total enclosure and a catalytic incinerator to capture and control the VOC emissions.

b. The permittee shall maintain a minimum of 90% overall control efficiency for the VOC emissions from this emissions unit.

c. The permittee shall maintain a permanent total enclosure that shall capture 100% of the VOC emitted by the coating applicator.

d. The requirements of this rule also include compliance with the requirements of OAC rules 3745-17-07(A)(1), 3745-21-09(E) and 3745-21-09(B)(6).

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

f. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

g. This emissions unit is not subject to the requirements of 40 CFR Part 60, Subpart TT, since it was installed prior to January 5, 1991, and the permittee has indicated that it has not been modified or reconstructed after this date.

c) Operational Restrictions

(1) This emissions unit shall be totally enclosed such that all the VOC emissions are captured for venting to the catalytic incinerator. Compliance with the following criteria, as specified by USEPA Method 204, shall be met by the permittee:

a. any natural draft opening (NDO) shall be at least four equivalent opening diameters from each VOC emitting point unless otherwise specified by the Administrator;

b. the total area of all NDO's shall not exceed 5 percent of the surface area of the enclosure's four walls, floor and ceiling;

c. the average facial velocity (FV) of air through all the NDO's shall be at least 3,600 meters per hour (200 feet per minute);

d. the differential pressure between the inside and outside of the enclosure shall not be less than 0.007 inch of water as a 3-hour average;

e. the direction of air flow through all NDO's shall be into the enclosure;

f. all access doors and windows whose areas are not included in c)(1)b. and are not included in the calculations in c)(1)c shall be closed during routine operation of the process; and

g. all VOC emissions from the coating line must be captured and contained for discharge to the catalytic incinerator.

[Authority for term: OAC rule 3745-31-05(A)(3) and OAC rule 3745-77-07(A)(1)]

(2) The average temperature of the exhaust gases immediately before the catalyst bed, for any 3-hour block of time when the emissions unit is in operation, shall not be less than the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

[Authority for term: OAC rule 3745-77-07(A)(1) and OAC rule 3745-31-05(A)(3)]

(3) The permittee shall develop and implement an inspection and maintenance plan for the catalytic oxidizer serving this emissions unit. The plan must address, at a minimum, the following elements.

a. Annual sampling and analysis of the catalyst activity (i.e., conversion efficiency) following the manufacturer's or catalyst supplier's recommended procedures.

b. Monthly inspection of the oxidizer system including the burner assembly and fuel supply lines for problems; and,

c. Annual internal and monthly external visual inspection of the catalyst bed to check for channeling, abrasion, and settling. If problems are found, the permittee shall take corrective action consistent with the manufacturer's recommendations

and conduct a new performance test to determine destruction efficiency according to 40 CFR 63.5160.

[Authority for term: OAC rule 3745-31-05(A)(3) and OAC rule 3745-77-07(A)(1)]

(4) The maximum annual volatile organic material usage (coating and cleanup solvent) for this emissions unit shall not exceed 1,821 tons per year, based upon a rolling, 365-day summation of the daily volatile organic material usage figures.

[Authority for Term: OAC rule 3745-31-05(A)(3) and OAC rule 3745-77-07(A)(1)]

(5) The permittee shall burn only natural gas as fuel in this emissions unit.

[Authority for term: OAC rule 3745-31-05(A)(3) and OAC rule 3745-77-07(A)(1)]

(6) The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart SSSS, including the following sections:

63.5121(a)	establishes capture and control device operating limits to be met at all times

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall operate and maintain monitoring devices and a recorder which simultaneously measure and record the pressure inside and outside the permanent total enclosure. The monitoring and recording devices shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record each day, all 3-hour blocks of time during which the permanent total enclosure was not maintained at an average differential pressure of at least 0.007 inch of water column whenever the emissions unit was in operation.

[Authority for term: OAC rule 3745-31-05(A)(3) and OAC rule 3745-77-07(C)(1)]

(2) The permittee shall properly install, operate, and maintain continuous temperature monitors and recorder(s) that measure and record(s) the temperature immediately upstream and downstream of the incinerator's catalyst bed when the emissions unit(s) is/are in operation. Units shall be in degrees Fahrenheit. The accuracy for each thermocouple, monitor, and recorder shall be guaranteed by the manufacturer to be within ± 1 percent of the temperature being measured or ± 5 degrees Fahrenheit, whichever is greater. The temperature monitors and recorder(s) shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and the operating manuals. (If a SIP change is approved removing the recordkeeping and reporting requirement for temperature differential, then the requirement to install, operate, and maintain a temperature monitor and recorder that measures the temperature downstream of the incinerator's catalyst bed shall become void upon approval of the SIP change by U.S. EPA.)

[Authority for term: OAC rule 3745-31-05(A)(3)(and OAC rule 3745-77-07(C)(1)]

(3) The permittee shall collect and record the following information each day the emissions unit(s) is/are in operation:

a. all 3-hour blocks of time, when the emissions unit(s) controlled by the catalytic incinerator was/were in operation, during which the average temperature of the exhaust gases immediately before the catalyst bed was below the average temperature measured during the most recent emissions test that demonstrated the emissions unit(s) was/were in compliance;

(Note: This requirement requires reporting on a more stringent basis than that required under OAC rule 3745-21-09(B)(4)(b)(iii) since the permittee has requested to monitor on the same basis as that required under 40 CFR 63.5160(d)(3)((ii)(C).)

b. all 3-hour blocks of time, when the emissions unit(s) controlled by the catalytic incinerator was/were in operation, during which the average temperature difference across the catalyst bed was less than 80 percent of the average temperature difference measured during the most recent emissions test that demonstrated the emissions unit(s) was/were in compliance; (If a SIP change is approved removing the recordkeeping and reporting requirement for temperature differential, then this term and condition will become void upon approval of the SIP change by U.S. EPA.) and

c. a log or record of the operating time for the capture (collection) system, catalytic incinerator, monitoring equipment, and the associated emissions unit(s).

The permittee may use a temperature chart recorder or equivalent recording device as the log that documents the temperature differential across the catalyst bed.

[Authority for Term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-21-09(B)(4)(b)]

(4) The permittee shall collect and record the following information each day for this emissions unit:

a. the name and identification number of each coating, as applied;

b. the pounds of VOC per gallon of coating solids, as applied, the volume solids content, as applied, and the volume, as applied, of each coating;

c. the total uncontrolled VOC emissions from all coatings, in pounds per day;

d. the name and identification of each cleanup material employed;

e. the number of gallons of each cleanup material employed;

f. the uncontrolled VOC content of each cleanup material, in pounds per gallon;

g. the total uncontrolled VOC emissions from all cleanup materials, in pounds per day;

h. the daily uncontrolled VOC emissions from all coatings and cleanup materials, i.e., (c + g, in pounds per day);

i. the daily controlled VOC emissions from all coatings and cleanup materials, in pounds per day, calculated using 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;

j. the total number of hours the emissions unit was in operation;

k. the average hourly controlled VOC emissions from all coatings and cleanup materials, in pounds per hour, calculated using 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, i.e. (i/j);

l. the annual controlled VOC emissions, based upon a rolling, 365-day summation of the daily emissions;

m. the daily volatile organic material usage, in pounds per day; and

n. the rolling, 365-day summation of the volatile organic material usage figures, in tons.

[Authority for term: OAC rule 3745-31-05(A)(3) and OAC rule 3745-77-07(C)(1)]

(5) 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.

[Authority for term: OAC rule 3745-31-05(A)(3) and OAC rule 3745-77-07(C)(1)].

(6) The permittee shall comply with the applicable monitoring and recordkeeping requirements required under 40 CFR Part 63, Subpart SSSS, including the following sections:

63.5150(a)(1)	Bypass monitoring for intermittently-controllable work stations
63.5150(a)(2)	Continuous emission monitoring system (CEMS) requirements if using a CEMS to demonstrate compliance
63.5150(a)(3)	Temperature monitoring of oxidizers
63.5150(a)(4)	Capture system monitoring
63.5160(d)(3)(ii)(D)	Catalytic oxidizer inspection and maintenance plan
63.5170(a)	If using as-purchased compliant coatings
63.5170(b)	If using as-applied compliant coatings

63.5170(c)	If using capture and control device to reduce emissions to no more than allowable limit
63.5170(d)	If using capture and control to achieve the emission rate limit
63.5170(e)	If using solvent recovery to demonstrate compliance
63.5170(f)	Use of oxidation to demonstrate compliance
63.5170(g)	If using a combination of capture and control
63.5190(a)(1)	Beginning and ending dates of each compliance option used
63.5190(a)(2)	Records of all measurements needed to demonstrate compliance
63.5190(a)(3)	Records specified in 63.10(b)(3)
63.5190(a)(4)	Records if using CEMS
63.5190(a)(5)	Records of liquid-liquid material balances

[Authority for term: OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

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

a. each day during which the calculated, controlled VOC emission rate exceeded 70 pounds per hour;

b. each day during which the calculated, controlled VOC emission rate exceeded 182.1 tons per year as rolling, 365-day summation of the daily emissions;

c. each day during which the volatile organic material usage exceeded 1,821 tons per year, based upon a rolling, 365-day summation daily usage figures;

d. all 3-hour blocks of time during which the permanent total enclosure was not maintained at an average differential pressure of at least 0.007 inch of water column when the emissions unit was in operation;

e. all 3-hour blocks of time (when the emissions unit(s) was/were in operation) during which the average temperature of the exhaust gases immediately before the catalyst bed was below the average temperature established during the most

recent emission tests that demonstrated the emissions unit(s) was/were in compliance; and

f. all 3-hour blocks of time (when the emissions unit(s) was/were in operation) during which the average temperature difference across the catalyst bed was less than 80 percent of the average temperature difference established during the most recent emissions test that demonstrated the emissions unit(s) was/were in compliance. (Note that although reporting of the temperature differential summary is required by OAC rule 3745-21-09(B)(4)(c), temperature differential readings less than 80 percent of the average temperature difference established during the most recent emissions test that demonstrated the emissions unit(s) was/were in compliance are not excursions or deviations, since the permittee has chosen to implement a site-specific inspection and maintenance program for the catalytic incinerator. If a SIP change is approved during the term of this permit as specified under OAC rule 3745-21-09(B)(5) to remove the recordkeeping and reporting requirement for temperature differential, then this term and condition will become void upon approval of the SIP change by U.S. EPA.)

g. The permittee shall submit the results of the monthly catalytic incinerator inspections required under c)(3) that are completed during the reporting period.

h. The permittee shall submit the results of the annual catalyst activity test(s) required by c)(3) in the last quarterly report for each year, along with a summary of the results of the annual inspection of the internal integrity of the catalytic incinerator required by c)(3).

If no deviations/excursions occurred during a calendar quarter, the report shall state that no deviations occurred during the reporting period.

[Authority for term: OAC rule 3745-31-05(A)(3), OAC rule 3745-77-07(C)(1) and OAC rule 3745-21-09(B)(4)(c)]

(2) The permittee shall submit quarterly summaries of the following records:

a. any records of downtime (date and length of time) for the capture (collection) system, the catalytic incinerator, and/or the monitoring equipment when the emissions unit(s) was/were in operation; and

b. a log of the operating time for the capture system, catalytic incinerator, monitoring equipment, and the emissions unit(s).

[Authority for term: OAC rule 3745-21-09(B)(4)(c)]

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

[Authority for term: OAC rule 3745-31-05(A)(3) and OAC rule 3745-77-07(C)(1)]

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

(5) The permittee shall submit semiannual reports and such other notifications and reports to the Toledo Division of Environmental Services and EPA Region 5 as are required pursuant to 40 CFR Part 63, Subpart SSSS, per the following sections:

63.5180(a)	Submit reports to EPA Region 5 and Toledo Division of Environmental Services
63.5180(c)	Notification of Performance Test
63.5180(e)	Performance Test Report
63.5180(f)	Start-up shutdown and malfunction reports
63.5180(g)	Semi-annual compliance reports
63.5180(h)	Deviation reports if not using a CEMS
63.5180(i)	Deviation reports if using a CEMS

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) and b)(2) of these terms and conditions shall be determined in accordance with the following methods:

a. <u>Emission Limitation</u>:

VOC emissions from coatings and cleanup materials shall not exceed 70 pounds per hour.

<u>Applicable Compliance Method</u>:

VOC from the coatings and cleanup materials:

If required, the permittee shall perform additional emission tests, conducted in accordance with USEPA Methods 1 through 4 and 25 of 40 CFR Part 60, Appendix A, and methods and procedures of OAC rule 3745-21-10(C). Alternative U.S. EPA-approved compliance methods may be used with prior approval from the Ohio EPA.

[Authority for term: OAC rule 3745-77-07(C)(1)]

b. Emission Limitation:

The permittee shall maintain a permanent total enclosure that shall capture 100% of the VOC emitted by the coating applicator.

Applicable Compliance Method:

If required, the permittee shall perform additional emission tests, conducted in accordance with USEPA Method 204 of 40 CFR Part 51, Appendix M and the methods and procedures of OAC rule 3745-21-10(C). Alternative U.S. EPA-approved compliance methods may be used with prior approval from the Ohio EPA.

[Authority for term: OAC rule 3745-77-07(C)(1)]

c. Emission Limitation:

The permittee shall maintain a minimum of 90% overall control efficiency for the VOC emissions from this emissions unit.

Applicable Compliance Method:

If required, the permittee shall perform emission testing conducted in accordance with USEPA Method 25 of 40 CFR Part 60, Appendix A, USEPA Method 204 of 40 CFR Part 51, Appendix M, and methods and procedures of OAC rule 3745-21-10(C). Alternative U.S. EPA-approved compliance methods may be used with prior approval from the Ohio EPA.

[Authority for term: OAC rule 3745-77-07(C)(1)]

d. Emission Limitation:

VOC emissions from coatings and cleanup materials shall not exceed 182.1 tons per year, based upon a rolling, 365-day summation of the daily emissions.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the record keeping requirements specified in d)(4).

[Authority for term: OAC rule 3745-77-07(C)(1)]

e. Emission Limitation:

CO emissions shall not exceed 1.9 pounds per hour.

Applicable Compliance Method:

Compliance may be demonstrated based upon the maximum burner capacity of 23.5 mmBtu/hr, an emission factor of 84 pounds of CO per million standard cubic

feet, and a heating value of 1020 Btu per standard cubic foot. This CO emission factor is specified in Table 1.4-1 of USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 7/98.

If required, the permittee shall also demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Method 10 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA-approved compliance methods may be used with prior approval from the Ohio EPA.

[Authority for term: OAC rule 3745-77-07(C)(1)]

f. Emission Limitation:

CO emissions shall not exceed 8.3 tons per year.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable CO emission limitation (1.9 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

g. Emission Limitation:

NO_x emissions shall not exceed 2.3 pounds per hour.

Applicable Compliance Method:

Compliance may be demonstrated based upon the maximum burner capacity of 23.5 mmBtu/hr, an emission factor of 100 pounds of NO_x per million standard cubic feet, and a heating value of 1020 Btu per standard cubic foot. This NO_x emission factor is specified in Table 1.4-1 of USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 7/98.

If required, the permittee shall also demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Method 7 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA-approved compliance methods may be used with prior approval from the Ohio EPA.

[Authority for term: OAC rule 3745-77-07(C)(1)]

h. Emission Limitation:

NO_x emissions shall not exceed 10.07 tons per year.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable NO_x emission limitation (2.3 lbs/hr) by the maximum annual hours of

operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

i. Emission Limitation:

PE shall not exceed 0.04 pound per hour.

Applicable Compliance Method:

Compliance may be demonstrated based upon the maximum burner capacity of 23.5 mmBtu/hr, an emission factor of 1.9 pounds of particulates per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot. This particulate emission factor is specified in Table 1.4-2 of USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 7/98.

If required, the permittee shall also demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Methods 1 through 5 of 40 CFR Part 60, Appendix A and the procedures in OAC rule 3745-17-03(B)(9). Alternative U.S. EPA-approved compliance methods may be used with prior approval from the Ohio EPA.

[Authority for term: OAC rule 3745-77-07(C)(1)]

j. Emission Limitation:

PE shall not exceed 0.18 ton per year.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable particulate emission limitation (0.04 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

k. Emission Limitation:

SO_2 emissions shall not exceed 0.01 pound per hour.

Applicable Compliance Method:

Compliance may be demonstrated based upon the maximum burner capacity of 23.5 mmBtu/hr, an emission factor of 0.6 pound of SO_2 per million standard cubic feet, and a heating value of 1020 Btu per standard cubic foot. This SO_2 emission factor is specified in Table 1.4-2 of USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 7/98.

If required, the permittee shall also demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Method 6 of 40 CFR Part 60, Appendix A and the procedures in OAC rule 3745-18-04(E). Alternative U.S. EPA-approved compliance methods may be used with prior approval from the Ohio EPA.

[Authority for term: OAC rule 3745-77-07(C)(1)]

l. Emission Limitation:

SO_2 emissions shall not exceed 0.04 ton per year.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable SO_2 emission limitation (0.01 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

m. Emission Limitation:

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

Applicable Compliance Method:

If required, compliance shall be demonstrated through visible emissions observations performed in accordance with 40 CFR Part 60, Appendix A, Method 9 using the methods and procedures specified in OAC rule 3745-17-03(B)(1). Alternative U.S. EPA-approved compliance methods may be used with prior approval from the Ohio EPA.

[Authority for term: OAC rule 3745-77-07(C)(1)]

n. Emission Limitation:

98% overall control of organic HAP for each month during each 12-month compliance period

Applicable Compliance Method:

The monitoring and record keeping requirements of d)(6) (40 CFR 63.5170) shall serve as demonstration of compliance with this emission limitation.

If required, the permittee shall demonstrate compliance according to 40 CFR 63.5160(d) and 63.5160(e).

[Authority for term: OAC rule 3745-77-07(C)(1)]

o. Emission Limitation:

0.046 kilogram of organic HAP per liter (0.38 lb/gal) of solids applied during each 12-month compliance period

Applicable Compliance Method:

The monitoring and record keeping requirements of d)(6) (40 CFR 63.5170) shall serve as demonstration of compliance with this emission limitation.

If required, the permittee shall demonstrate compliance with this emission limitation according to 40 CFR 63.5160.

[Authority for term: OAC rule 3745-77-07(C)(1)]

p. Emission Limitation:

100% capture efficiency and organic HAP emissions shall not exceed 20 parts per million by volume (ppmv) on a dry basis

Applicable Compliance Method:

The monitoring and record keeping requirements of d)(6) (40 CFR 63.5170) shall serve as demonstration of compliance with this emission limitation.

If required, the permittee shall demonstrate compliance according to 40 CFR 63.5160(d) and 63.5160(e).

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

a. The emission testing shall be conducted within 6 months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the mass emission limitation and control efficiency limitation for VOC.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission limitation for VOC: Methods 1 through 4 and 25 of 40 CFR Part 60, Appendix A. The sampling time for each of three runs is to be at least 60 minutes, and the minimum sampling volume is to be at least 0.003 dscm (0.11 dscf); however, shorter sampling times or smaller volumes, when necessitated by process variables or other factors, may be approved by the Ohio EPA. The test method(s) which must be employed to compliance with the control efficiency limitation are specified below. Alternative U.S. EPA-approved test methods may be used with prior approval from the Toledo Division of Environmental Services.

d. The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the

test methods and procedures specified in 3745-21-10 or an alternative test protocol approved by the Toledo Division of Environmental Services. The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.

e. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Toledo Division of Environmental Services.

f. The permittee shall record the temperature immediately upstream and downstream of the incinerator's catalyst bed, and the pressure differential between the inside and outside of the permanent total enclosure at least once every 15 minutes during each test run. The permittee shall determine the 3-hour average temperature immediately upstream of the catalyst bed, and the 3-hour average pressure differential between the inside and outside of the permanent total enclosure during each test run, and include the 3-hour average temperature and pressure differential values in the written test report. (If a SIP change is approved removing the recordkeeping and reporting requirement for temperature differential, then the requirement to measure the downstream temperature and incinerator temperature differential will become void upon approval of the SIP change by U.S. EPA.)

g. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Toledo Division of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Toledo Division of Environmental Service's refusal to accept the results of the emission test(s).

h. Personnel from the Toledo Division of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

i. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Toledo Division of Environmental Services within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Toledo Division of Environmental Services.

[Authority for term: OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

3. K004, 2nd coater - 36 inch coil coating line (South Coater)

Operations, Property and/or Equipment Description:

36 inch coil coating line with 16 mmBtu/hr direct-fired natural gas drying oven, permanent total enclosure, and 4 mmBtu/hr catalytic incinerator

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(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. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI P0105928 issued 3/10/2010)	Carbon monoxide (CO) emissions shall not exceed 1.65 pound per hour and 7.2 tons per year. Nitrogen oxides (NO_x) emissions shall not exceed 2.0 pounds per hour and 8.8 tons per year. Particulate emissions (PE) shall not exceed 0.09 pound per hour and 0.4 ton per year. Sulfur dioxide (SO_2) emissions shall not exceed 0.01 pound per hour and 0.05 ton per year. Volatile organic compounds (VOC) emissions, including emissions from cleanup materials, shall not exceed 39.0 pounds per hour and 170.9 tons per year. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1). See b)(2)a through b)(2)c.
b.	40 CFR Part 60, Subpart A	See b)(2)f.
c.	40 CFR Part 60, Subpart TT (40 CFR 60.460 – 466)	0.28 kilogram VOC per liter (kg VOC/l) of coating solids uncontrolled; 0.14 kg VOC/l of coating solids for each

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	[In accordance with 40 CFR 60.462(a), this emissions unit is a metal coil coating line subject to the emission limitations and control measures specified in this section.]	month a control device is continuously used; 90 percent VOC emission reduction when a control device is continuously used and operated at the most recently demonstrated overall control efficiency; or Emissions shall not exceed a value between 0.14 (or a 90-percent emission reduction) and 0.28 kg VOC/l of coating solids applied for each calendar month for each affected facility that intermittently uses an emission control device operated at the most recently demonstrated overall control efficiency. See b)(2)g.
d.	OAC rule 3745-17-07(A)(1)	See b)(2)d.
e.	OAC rule 3745-17-11(A)(2)	See b)(2)e.
f.	OAC rule 3745-18-06(A)	See b)(2)e.
g.	OAC rule 3745-21-09(E) and OAC rule 3745-21-09(B)(6)	See b)(2)e.
h.	40 CFR Part 63, Subpart A (40 CFR 63.1 – 16)	Table 2 of 40 CFR Part 63, Subpart SSSS provides cross-references, indicating which parts of the General Provisions apply.
i.	40 CFR Part 63, Subpart SSSS (40 CFR 63.5080 – 5201) [This metal coil coating line is subject to the emission standards in 63.5120.]	The permittee shall comply with one of the following emission standards: 98% overall control of organic HAP for each month during each 12-month compliance period; 0.046 kilogram of organic HAP per liter (0.38 lb/gal) of solids applied during each 12-month compliance period; or 100% capture efficiency and organic HAP emissions shall not exceed 20 parts per million by volume (ppmv) on a dry basis.

(2) Additional Terms and Conditions

a. The permittee shall operate and maintain a permanent total enclosure and a catalytic incinerator to capture and control the VOC emissions.

b. The permittee shall maintain a minimum of 90% overall control efficiency for the VOC emissions from this emissions unit.

c. The permanent total enclosure shall capture 100% of the VOC emitted by the coating applicator.

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

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. 40 CFR Part 60, Subpart A provides applicability provisions, definitions, and other general provisions that are pertinent to emissions units affected by 40 CFR Part 60.

g. The permittee has chosen to comply with the 90 percent emission reduction requirement, so additional monitoring, record keeping and reporting requirements to demonstrate compliance with the other emission standards under this rule are not necessary.

c) Operational Restrictions

(1) This emissions unit shall be totally enclosed such that all the VOC emissions are captured for venting to the catalytic incinerator. Compliance with the following criteria, as specified by USEPA Method 204, shall be met by the permittee:

a. any natural draft opening (NDO) shall be at least four equivalent opening diameters from each VOC emitting point unless otherwise specified by the Administrator;

b. the total area of all NDO's shall not exceed 5 percent of the surface area of the enclosure's four walls, floor and ceiling;

c. the average facial velocity (FV) of air through all the NDO's shall be at least 3,600 meters per hour (200 feet per minute);

d. the differential pressure between the inside and outside of the enclosure shall not be less than 0.007 inch of water as a 3-hour average;

e. the direction of air flow through all NDO's shall be into the enclosure;

f. all access doors and windows whose areas are not included in c)(1)b. and are not included in the calculations in c)(1)c shall be closed during routine operation of the process; and

g. all VOC emissions from the coating line must be captured and contained for discharge to the catalytic incinerator.

[Authority for term: OAC rule 3745-31-05(A)(3) and OAC rule 3745-77-07(A)(1)]

(2) The average temperature of the exhaust gases immediately before the catalyst bed, for any 3-hour block of time when the emissions unit is in operation, shall not be less than the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

[Authority for term: OAC rule 3745-77-07(A)(1) and OAC rule 3745-31-05(A)(3)]

(3) The permittee shall develop and implement an inspection and maintenance plan for the catalytic oxidizer serving this emissions unit. The plan must address, at a minimum, the following elements.

a. Annual sampling and analysis of the catalyst activity (i.e., conversion efficiency) following the manufacturer's or catalyst supplier's recommended procedures.

b. Monthly inspection of the oxidizer system including the burner assembly and fuel supply lines for problems; and,

c. Annual internal and monthly external visual inspection of the catalyst bed to check for channeling, abrasion, and settling. If problems are found, the permittee shall take corrective action consistent with the manufacturer's recommendations and conduct a new performance test to determine destruction efficiency according to 40 CFR 63.5160.

[Authority for term: OAC rule 3745-31-05(A)(3) and OAC rule 3745-77-07(A)(1)]

(4) The permittee shall only burn natural gas as fuel in this emissions unit.

[Authority for term: OAC rule 3745-31-05(A)(3) and 3745-77-07(A)(1)]

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

63.5121(a)	establishes capture and control device operating limits to be met at all times

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall operate and maintain monitoring devices and a recorder which simultaneously measure and record the pressure inside and outside the permanent total enclosure. The monitoring and recording devices shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record each day, all 3-hour blocks of time during which the permanent total enclosure was not maintained at an average differential pressure of at least 0.007 inch of water column whenever the emissions unit was in operation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

(2) The permittee shall operate and maintain continuous temperature monitors and recorder(s) which measure and record(s) the temperature immediately upstream and downstream of the incinerator's catalyst bed when the emissions unit is in operation. These devices shall have an accuracy of plus or minus 2.5 degrees Celsius or plus or minus 0.75 percent of the temperature being measured expressed in degrees Celsius, whichever is greater, pursuant to the requirements specified in 40 CFR 60.464(c). The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitors and recorder(s) shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee. (If a SIP change is approved removing the recordkeeping and reporting requirement for temperature differential, then the requirement to install, operate, and maintain a temperature monitor and recorder that measures the temperature downstream of the incinerator's catalyst bed shall become void upon approval of the SIP change by U.S. EPA.)

[Authority for term: OAC rule 3745-77-07(C)(1)]

(3) The permittee shall collect and record the following information each day the emissions unit(s) is/are in operation:

a. all 3-hour blocks of time, when the emissions unit(s) controlled by the catalytic incinerator was/were in operation, during which the average temperature of the exhaust gases immediately before the catalyst bed was below the average temperature measured during the most recent emissions test that demonstrated the emissions unit(s) was/were in compliance;

(Note: This requirement requires reporting on a more stringent basis than that required under OAC rule 3745-21-09(B)(4)(b)(iii) since the permittee has requested to monitor on the same basis as that required under 40 CFR 63.5160(d)(3)((ii)(C).)

b. all 3-hour blocks of time, when the emissions unit(s) controlled by the catalytic incinerator was/were in operation, during which the average temperature difference across the catalyst bed was less than 80 percent of the average temperature difference measured during the most recent emissions test that demonstrated the emissions unit(s) was/were in compliance; (If a SIP change is approved removing the recordkeeping and reporting requirement for temperature differential, then this term and condition will become void upon approval of the SIP change by U.S. EPA.) and

c. a log or record of the operating time for the capture (collection) system, catalytic incinerator, monitoring equipment, and the associated emissions unit(s).

The permittee may use a temperature chart recorder or equivalent recording device as the log that documents the temperature differential across the catalyst bed.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-21-09(B)(4)(b)]

(4) The permittee shall collect and record the following information each day for this emissions unit:

a. the name and identification number of each coating, as applied;

b. the pounds of VOC per gallon of coating solids, as applied, the volume solids content, as applied, and the volume, as applied, of each coating;

c. the total uncontrolled VOC emissions from all coatings, in pounds per day;

d. the name and identification of each cleanup material employed;

e. the number of gallons of each cleanup material employed;

f. the uncontrolled VOC content of each cleanup material, in pounds per gallon;

g. the total uncontrolled VOC emissions from all cleanup materials, in pounds per day;

h. the total number of hours the emissions unit was in operation;

i. the average hourly uncontrolled VOC emissions from all coatings and cleanup materials, i.e., (c+g)/h, in pounds per hour (average); and

j. the average hourly controlled VOC emissions from all coatings and cleanup materials, in pounds per hour, calculated using 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

(5) The permittee shall collect and record the following information each month for this emissions unit:

a. the calculated, controlled VOC emissions from all coatings and cleanup materials, in tons per month, calculated using d)(4)c, d)(4)g and 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; and

b. the rolling, 12 month summation of VOC emissions from all coatings and cleanup materials, in tons.

[Authority for term: OAC rule 3745-77-07(C)(1)]

(6) 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

63.5150(a)(1)	Bypass monitoring for intermittently-controllable work stations
63.5150(a)(2)	Continuous emission monitoring system (CEMS) requirements if using a CEMS to demonstrate compliance
63.5150(a)(3)	Temperature monitoring of oxidizers
63.5150(a)(4)	Capture system monitoring
63.5160(d)(3)(ii)(D)	Catalytic oxidizer inspection and maintenance plan
63.5170(a)	If using as-purchased compliant coatings
63.5170(b)	If using as-applied compliant coatings
63.5170(c)	If using capture and control device to reduce emissions to no more than allowable limit
63.5170(d)	If using capture and control to achieve the emission rate limit
63.5170(e)	If using solvent recovery to demonstrate compliance
63.5170(f)	Use of oxidation to demonstrate compliance
63.5170(g)	If using a combination of capture and control
63.5190(a)(1)	Beginning and ending dates of each compliance option used
63.5190(a)(2)	Records of all measurements needed to demonstrate compliance
63.5190(a)(3)	Records specified in 63.10(b)(3)
63.5190(a)(4)	Records if using CEMS
63.5190(a)(5)	Records of liquid-liquid material balances

(8) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR Part 60, Subpart TT, including the following sections:

60.463(b)	Monthly performance test requirement
60.463(c)(2)	Determining overall reduction efficiency
60.464(c)	Catalytic incinerator temperature monitoring requirements
60.465(e)	Catalytic incinerator temperature recordkeeping requirements

(9) The permittee received permission from U.S. EPA by letter dated March 8, 2010 to implement the compliance method described in 40 CFR 63.5160(d)(3) to demonstrate compliance with 40 CFR Part 60, Subpart TT. The permittee may only use this method for demonstrating compliance with 40 CFR Part 60, Subpart TT when performing skim coating at this emissions unit. At all other times, the permittee is required to demonstrate compliance with 40 CFR Part 60, Subpart TT using both the catalyst bed inlet temperature and temperature difference requirement.

The permittee is still required to record and report the temperature difference across the catalyst bed during skim coating operations to maintain compliance with the record keeping and reporting requirements of 40 CFR Part 60, Subpart TT. However, compliance during skim coating operations can be demonstrated using only the catalyst bed inlet temperature accompanied by the operation and maintenance plan and annual catalyst activity testing specified under 40 CFR 63.5160(d)(3)(ii)(D).

[Authority for term: OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

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

a. each day during which the calculated, controlled VOC emission rate exceeded 39.0 pounds per hour;

b. each month during which the calculated, controlled VOC emission rate exceeded 170.9 tons per year as rolling, 12-month summation of the monthly emissions;

c. all 3-hour blocks of time during which the permanent total enclosure was not maintained at an average differential pressure of at least 0.007 inch of water column when the emissions unit was in operation;

d. all 3-hour blocks of time (when the emissions unit(s) was/were in operation) during which the average temperature of the exhaust gases immediately before the catalyst bed was below the average temperature established during the most recent emission tests that demonstrated the emissions unit(s) was/were in compliance; and

e. all 3-hour blocks of time (when the emissions unit(s) was/were in operation) during which the average temperature difference across the catalyst bed was

less than 80 percent of the average temperature difference established during the most recent emissions test that demonstrated the emissions unit(s) was/were in compliance. (Note that although reporting of the temperature differential summary is required by OAC rule 3745-21-09(B)(4)(c), temperature differential readings less than 80 percent of the average temperature difference established during the most recent emissions test that demonstrated the emissions unit(s) was/were in compliance are not excursions or deviations, since the permittee has chosen to implement a site-specific inspection and maintenance program for the catalytic incinerator. If a SIP change is approved during the term of this permit as specified under OAC rule 3745-21-09(B)(5) to remove the recordkeeping and reporting requirement for temperature differential, then this term and condition will become void upon approval of the SIP change by U.S. EPA.).

f. The permittee shall submit the results of the monthly catalytic incinerator inspections required under c)(3) that are completed during the reporting period.

g. The permittee shall submit the results of the annual catalyst activity test(s) required by c)(3) in the last quarterly report for each year, along with a summary of the results of the annual inspection of the internal integrity of the catalytic incinerator required by c)(3).

If no deviations/excursions occurred during a calendar quarter, the report shall state that no deviations occurred during the reporting period.

[OAC rule 3745-15-03(B)(1)(b), OAC rule 3745-15-03(C) and OAC rule 3745-21-09(B)(4)(c)]

(2) The permittee shall submit quarterly summaries of the following records:

a. any records of downtime (date and length of time) for the capture (collection) system, the catalytic incinerator, and/or the monitoring equipment when the emissions unit(s) was/were in operation; and

b. a log of the operating time for the capture system, catalytic incinerator, monitoring equipment, and the emissions unit(s).

[Authority for term: OAC rule 3745-21-09(B)(4)(c)]

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

(5) The permittee shall submit semiannual reports and such other notifications and reports to the Toledo Division of Environmental Services and EPA Region 5 as are required pursuant to 40 CFR Part 63, Subpart SSSS, per the following sections:

63.5180(a)	Submit reports to EPA Region 5 and Toledo Division of Environmental Services
63.5180(c)	Notification of Performance Test
63.5180(e)	Performance Test Report
63.5180(f)	Start-up shutdown and malfunction reports
63.5180(g)	Semi-annual compliance reports
63.5180(h)	Deviation reports if not using a CEMS
63.5180(i)	Deviation reports if using a CEMS

(6) The permittee shall submit semiannual reports and such other notifications and reports to the Toledo Division of Environmental Services as are required pursuant to 40 CFR Part 60, Subpart TT, per the following sections:

60.465(d)	semi-annual incinerator temperature deviation reports

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) and b)(2) of these terms and conditions shall be determined in accordance with the following methods.

a. Emission Limitation:

VOC emissions, including emissions from cleanup materials, shall not exceed 39.0 pounds per hour.

Applicable Compliance Method:

If required, the permittee shall perform additional emissions tests, conducted in accordance with USEPA Methods 1 through 4 and 25 of 40 CFR Part 60, Appendix A, and methods and procedures of OAC rule 3745-21-10(C). Alternative U.S. EPA-approved compliance methods may be used with prior approval from the Ohio EPA.

[Authority for term: OAC rule 3745-77-07(C)(1)]

b. Emission Limitation:

VOC emissions, including emissions from cleanup materials, shall not exceed 170.9 tons per year.

Applicable Compliance Method:

Compliance shall be demonstrated based upon a rolling, 12-month summation of the monthly VOC emissions calculated in d)(5).

[Authority for term: OAC rule 3745-77-07(C)(1)]

c. Emission Limitation:

CO emissions shall not exceed 1.65 pounds per hour.

Applicable Compliance Method:

Compliance may be demonstrated based upon the maximum burner capacity of 20 mmBtu/hr, an emission factor of 84 pounds of CO per million standard cubic feet, and a heating value of 1020 Btu per standard cubic foot. This CO emission factor is specified in Table 1.4-2 of USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 7/98.

If required, the permittee shall also demonstrate compliance with this emission limitation in accordance with methods and procedures specified in Methods 1 through 4 and 10 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA-approved compliance methods may be used with prior approval from the Ohio EPA.

[Authority for term: OAC rule 3745-77-07(C)(1)]

d. Emission Limitation:

CO emissions shall not exceed 7.2 tons per year.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable CO emission limitation (1.65 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

e. Emission Limitation:

NO_x emissions shall not exceed 2.0 pounds per hour.

Applicable Compliance Method:

Compliance may be demonstrated based upon the maximum burner capacity of 20 mmBtu/hr, an emission factor of 100 pounds of NO_x per million standard cubic feet and heating value of 1020 Btu per standard cubic foot. This NO_x emission factor is specified in Table 1.4-1 of USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, date 7/98.

If required, the permittee shall also demonstrate compliance with this emission limitation in accordance with the methods and procedures specified Methods 1 through 4 and 7 of 40 CFR Part 60, Appendix. Alternative U.S. EPA-approved compliance methods may be used with prior approval from the Ohio EPA.

[Authority for term: OAC rule 3745-77-07(C)(1)]

f. Emission Limitation:

NO_x emissions shall not exceed 8.8 tons per year.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable NO_x emission limitation (2.0 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

g. Emission Limitation:

PE shall not exceed 0.09 pound per hour.

Applicable Compliance Method:

Compliance may be demonstrated based upon the maximum burner capacity of 20 mmBtu/hr, an emission factor of 1.9 pounds of PE per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot. This particulate emission factor is specified in Table 1.4-2 of USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 7/98.

If required, the permittee shall also demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Methods 1 through 5 of 40 CFR Part 60, Appendix A and the procedures in OAC rule 3745-17-03(B)(9). Alternative U.S. EPA-approved compliance methods may be used with prior approval from the Ohio EPA.

[Authority for term: OAC rule 3745-77-07(C)(1)]

h. Emission Limitation:

PE shall not exceed 0.4 ton per year.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable PE limitation (0.09 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

i. Emission Limitation:

SO_2 emissions shall not exceed 0.01 pound per hour.

Applicable Compliance Method:

Compliance may be demonstrated based upon the maximum burner of 20 mmBtu/hr, an emission factor of 0.6 pound of SO_2 per million standard cubic feet, and a heating value of 1020 Btu per standard cubic foot. This SO_2 emission factor is specified in Table 1.4-2 of USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 7/98.

If required, the permittee shall also demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Method 6 of 40 CFR Part 60, Appendix A and the procedures in OAC rule 3745-18-04(E). Alternative U.S. EPA-approved compliance methods may be used with prior approval from the Ohio EPA.

[Authority for term: OAC rule 3745-77-07(C)(1)]

j. Emission Limitation:

SO_2 emissions shall not exceed 0.05 ton per year.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable SO_2 emission limitation (0.01 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

k. Emission Limitation:

The permanent total enclosure shall capture 100% of the VOC emitted by the coating applicator.

Applicable Compliance Method:

If required, the permittee shall perform additional emissions tests, conducted in accordance with USEPA Method 204 of 40 CFR Part 51, Appendix M and methods and procedures of OAC rule 3745-21-10(C). Alternative U.S. EPA-approved compliance methods may be used with prior approval from the Ohio EPA.

[Authority for term: OAC rule 3745-77-07(C)(1)]

l. Emission Limitation:

The permittee shall maintain a minimum of 90% overall control efficiency for the VOC emissions from this emissions unit.

Applicable Compliance Method:

If required, the permittee shall perform additional emission tests, conducted in accordance with USEPA Method 25 of 40 CFR Part 60, Appendix A, USEPA Methods 204 of CFR Part 51, Appendix M and methods and procedures of 40 CFR 60.466 and OAC rule 3745-21-10(C). (94 weight percent based on June 9, 2005 stack testing) Alternative U.S. EPA-approved compliance methods may be used with prior approval from the Ohio EPA.

[Authority for term: OAC rule 3745-77-07(C)(1)]

m. Emission Limitation:

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

Applicable Compliance Method:

If required, compliance with the above visible limitation shall be demonstrated by visible PE evaluations performed in accordance with OAC rule 3745-17-03(B)(1) using the methods and procedures specified in 40 CFR Part 60, Appendix A, Method 9.

[Authority for term: OAC rule 3745-77-07(C)(1)]

n. Emission Limitation:

98% overall control of organic HAP for each month during each 12-month compliance period

Applicable Compliance Method:

The monitoring and record keeping requirements of d)(7) (40 CFR 63.5170) shall serve as demonstration of compliance with this emission limitation.

If required, the permittee shall demonstrate compliance according to 40 CFR 63.5160(d) and 63.5160(e).

[Authority for term: OAC rule 3745-77-07(C)(1)]

o. Emission Limitation:

0.046 kilogram of organic HAP per liter (0.38 lb/gal) of solids applied during each 12-month compliance period

Applicable Compliance Method:

The monitoring and record keeping requirements of d)(7) (40 CFR 63.5170) shall serve as demonstration of compliance with this emission limitation.

If required, the permittee shall demonstrate compliance with this emission limitation according to 40 CFR 63.5160.

[Authority for term: OAC rule 3745-77-07(C)(1)]

p. Emission Limitation:

100% capture efficiency and organic HAP emissions shall not exceed 20 parts per million by volume (ppmv) on a dry basis

Applicable Compliance Method:

The monitoring and record keeping requirements of d)(7) (40 CFR 63.5170) shall serve as demonstration of compliance with this emission limitation.

If required, the permittee shall demonstrate compliance according to 40 CFR 63.5160(d) and 63.5160(e).

[Authority for term: OAC rule 3745-77-07(C)(1)]

q. Emission Limitation:

0.28 kilogram VOC per liter (kg VOC/l) of coating solids

Applicable Compliance Method:

If required, the procedures specified under 40 CFR 60.463(c) shall be used to demonstrate compliance.

[Authority for term: OAC rule 3745-77-07(C)(1)]

r. Emission Limitation:

0.14 kg VOC/l of coating solids

Applicable Compliance Method:

If required, the procedures specified under 40 CFR 60.463(c) shall be used to demonstrate compliance.

[Authority for term: OAC rule 3745-77-07(C)(1)]

s. Emission Limitation:

Emissions shall not exceed a value between 0.14 (or a 90-percent emission reduction) and 0.28 kg VOC/l of coating solids applied for each calendar month for each affected facility that intermittently uses an emission control device.

Applicable Compliance Method:

If required, the procedures specified under 40 CFR 60.463(c) shall be used to demonstrate compliance.

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

a. The emission testing shall be conducted within 6 months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the mass emission limitation and control efficiency limitation for VOC.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission limitation for VOC: Methods 1 through 4 and 25 of 40 CFR Part 60, Appendix A. The sampling time for each of three runs is to be at least 60 minutes, and the minimum sampling volume is to be at least 0.003 dscm (0.11 dscf); however, shorter sampling times or smaller volumes, when necessitated by process variables or other factors, may be approved by the Ohio EPA. The test method(s) which must be employed to demonstrate compliance with the control efficiency limitations are specified below. Alternative U.S. EPA-approved test methods may be used with prior approval from the Toledo Division of Environmental Services.

d. The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in 3745-21-10 or an alternative test protocol approved by the Toledo Division of Environmental Services. The test methods and procedures selected shall be based on a consideration of the diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.

e. The test(s) shall be conducted while the emissions unit is operating at or near its maximum capacity, unless otherwise specified or approved by the Toledo Division of Environmental Services.

f. The permittee shall record the temperature immediately upstream and downstream of the incinerator's catalyst bed, and the pressure differential between the inside and outside of the permanent total enclosure at least once every 15 minutes during each test run. The permittee shall determine the 3-hour average temperature immediately upstream and the 3-hour average temperature immediately downstream of the catalyst bed, and the 3-hour average pressure

differential between the inside and outside of the permanent total enclosure during each test run, and include the 3-hour average temperature and pressure differential values in the written test report. (If a SIP change is approved removing the recordkeeping and reporting requirement for temperature differential, then the requirement to measure the downstream temperature and incinerator temperature differential will become void upon approval of the SIP change by U.S. EPA.)

g. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Toledo Division of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Toledo Division of Environmental Service's refusal to accept the results of the emission test(s).

h. Personnel from the Toledo Division of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

i. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Toledo Division of Environmental Services within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Toledo Division of Environmental Services.

[Authority for term: OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

4. K005, 36 inch coil coating line (North Coater)

Operations, Property and/or Equipment Description:

36 inch coil coating line with 12 mmBtu/hr direct-fired natural gas drying oven, permanent total enclosure, and 15 mmBtu/hr catalytic incinerator

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

(1) The specific operations(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. Emissions from each unit shall not exceed the listed limitations, and the listed control measures shall be specified in narrative form following the table.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
a.	OAC rule 3745-31-05(A)(3) (PTI P0105927 issued 3/10/2010)	Carbon monoxide (CO) emissions shall not exceed 2.22 pounds per hour and 9.7 tons per year. Nitrogen oxides (NO_x) emissions shall not exceed 2.65 pounds per hour and 11.6 tons per year. Particulate emissions (PE) shall not exceed 0.05 pound per hour and 0.22 ton per year. Sulfur dioxide (SO_2) emissions shall not exceed 0.02 pound per hour and 0.09 ton per year. Volatile organic compounds (VOC) emissions shall not exceed 14.02 pounds per hour and 61.5 tons per year. The requirements of this rule also include compliance with the requirements of OAC rule 3745-17-07(A)(1). See b)(2)a through b)(2)c.
b.	40 CFR Part 60, Subpart A	See b)(2)e.
c.	40 CFR Part 60, Subpart TT (40 CFR 60.460 – 466) [In accordance with 40 CFR	See b)(2)d.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
	60.462(a), this emissions unit is a metal coil coating line subject to the emission limitations and control measures specified in this section.]	
d.	OAC rule 3745-17-07(A)(1)	Visible PE from any stack shall not exceed 20% opacity as a 6-minute average, except as provided by the rule.
e.	OAC rule 3745-17-11(A)(2)	See b)(2)d.
f.	OAC rule 3745-18-06(A)	See b)(2)d.
g.	OAC rule 3745-21-09(E) and OAC rule 3745-21-09(B)(6)	See b)(2)d.
h.	40 CFR Part 63, Subpart A (40 CFR 63.1 – 16)	Table 2 of 40 CFR Part 63, Subpart SSSS provides cross-references, indicating which parts of the General Provisions apply.
i.	40 CFR Part 63, Subpart SSSS (40 CFR 63.5080 – 5201) [This metal coil coating line is subject to the emission standards in 63.5120.]	The permittee shall comply with one of the following emission standards: 98% overall control of organic HAP for each month during each 12-month compliance period; 0.046 kilogram of organic HAP per liter (0.38 lb/gal) of solids applied during each 12-month compliance period; or 100% capture efficiency and organic HAP emissions shall not exceed 20 parts per million by volume (ppmv) on a dry basis.

(2) Additional Terms and Conditions

a. The permittee shall operate and maintain a permanent total enclosure and a catalytic incinerator to capture and control the VOC emissions.

b. The permittee shall not allow or permit the discharge into the atmosphere of more than 2 percent of the VOC applied for each calendar month (98 percent emission reduction).

c. The permanent total enclosure shall capture 100% of the VOC emitted by the coating applicator.

d. The emission limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).

e. 40 CFR Part 60, Subpart A provides applicability provisions, definitions, and other general provisions that are pertinent to emissions units affected by 40 CFR Part 60.

c) Operational Restrictions

(1) This emissions unit shall be totally enclosed such that all the VOC emissions are captured for venting to the catalytic incinerator. Compliance with the following criteria, as specified by USEPA Method 204, shall be met by the permittee:

a. any natural draft opening (NDO) shall be at least four equivalent opening diameters from each OC emitting point unless otherwise specified by the Administrator;

b. the total area of all NDO's shall not exceed 5 percent of the surface area of the enclosure's four wall's, floor and ceiling;

c. the average face velocity (FV) of air through all the NDO's shall be at least 3,600 m/hr (200 fpm);

d. the differential pressure between the inside and outside of the enclosure shall not be less than 0.007 inch of water as a 3-hour average;

e. the direction of air flow through all NDO's shall be into the enclosure; and

f. all access doors and windows whose area's are not included in b. and are not included in the calculations in c)(1)c shall be closed during routine operation of the process; and

g. all VOC emissions from the coating line must be captured and contained for discharge to the catalytic incinerator.

[Authority for term: OAC rule 3745-31-05(A)(3) and OAC rule 3745-77-07(A)(1)]

(2) The average temperature of the exhaust gases immediately before the catalyst bed, for any 3-hour block of time when the emissions unit is in operation, shall not be less than the average temperature during the most recent emission test that demonstrated the emissions unit was in compliance.

[Authority for term: OAC rule 3745-77-07(A)(1) and OAC rule 3745-31-05(A)(3)]

(3) The permittee shall develop and implement an inspection and maintenance plan for the catalytic oxidizer serving this emissions unit. The plan must address, at a minimum, the following elements.

a. Annual sampling and analysis of the catalyst activity (i.e., conversion efficiency) following the manufacturer's or catalyst supplier's recommended procedures.

b. Monthly inspection of the oxidizer system including the burner assembly and fuel supply lines for problems; and,

c. Annual internal and monthly external visual inspection of the catalyst bed to check for channeling, abrasion, and settling. If problems are found, the permittee shall take corrective action consistent with the manufacturer's recommendations and conduct a new performance test to determine destruction efficiency according to 40 CFR 63.5160.

[Authority for term: OAC rule 3745-77-07(A)(1) and OAC rule 3745-31-05(A)(3)]

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

[Authority for term: OAC rule 3745-31-05(A)(3) and OAC rule 3745-77-07(A)(1)]

(5) The permittee shall comply with the applicable restrictions required under 40 CFR Part 63, Subpart SSSS, including the following sections.

63.5121(a)	establishes capture and control device operating limits to be met at all times

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall operate and maintain monitoring devices and a recorder which simultaneously measure and record the pressure inside and outside the permanent the permanent total enclosure. The monitoring and recording devices shall be installed, calibrated, operated and maintained in accordance with the manufacturer's recommendations, instructions and operating manuals.

The permittee shall collect and record each day, all 3-hour blocks of time during which the permanent total enclosure was a not maintained at an average differential pressure of a least 0.007 inch of water column whenever the emissions unit was in operation.

[Authority for term: OAC rule 3745-31-05(A)(3) and OAC rule 3745-77-07(C)(1)]

(2) The permittee shall operate and maintain continuous temperature monitors and recorder(s) which measure and record(s) the temperature immediately upstream and downstream of the incinerator's catalyst bed when the emissions unit is in operation. These devices shall have an accuracy of plus or minus 2.5 degrees Celsius or plus or minus 0.75 percent of the temperature being measured expressed in degrees Celsius, whichever is greater, pursuant to the requirements specified in 40 CFR 60.464(c). The monitoring and recording devices shall be capable of accurately measuring the desired parameter. The temperature monitors and recorder(s) shall be calibrated, operated and maintained in accordance with the manufacturer's recommendations, with any modifications deemed necessary by the permittee. (If a SIP change is approved removing the recordkeeping and reporting requirement for temperature differential, then the requirement to install, operate, and maintain a temperature monitor and recorder that measures the temperature downstream of the incinerator’s catalyst bed shall become void upon approval of the SIP change by U.S. EPA.)

[Authority for term: OAC rule 3745-77-07(C)(1)

(3) The permittee shall collect and record the following information each day the emissions unit(s) is/are in operation:

a. all 3-hour blocks of time, when the emissions unit(s) controlled by the catalytic incinerator was/were in operation, during which the average temperature of the exhaust gases immediately before the catalyst bed was below the average temperature measured during the most recent emissions test that demonstrated the emissions unit(s) was/were in compliance;

(Note: This requirement requires reporting on a more stringent basis than that required under OAC rule 3745-21-09(B)(4)(b)(iii) since the permittee has requested to monitor on the same basis as that required under 40 CFR 63.5160(d)(3)((ii)(C).)

b. all 3-hour blocks of time, when the emissions unit(s) controlled by the catalytic incinerator was/were in operation, during which the average temperature difference across the catalyst bed was less than 80 percent of the average temperature difference measured during the most recent emissions test that demonstrated the emissions unit(s) was/were in compliance; (If a SIP change is approved removing the recordkeeping and reporting requirement for temperature differential, then this term and condition will become void upon approval of the SIP change by U.S. EPA.); and

c. a log or record of the operating time for the capture (collection) system, catalytic incinerator, monitoring equipment, and the associated emissions unit(s).

The permittee may use a temperature chart recorder or equivalent recording device as the log that documents the temperature differential across the catalyst bed.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-21-09(B)(4)(b)]

(4) The permittee shall collect and record the following information each day for this emissions unit;

a. the name and identification of each coating, as applied

b. the pounds of VOC per gallon of coating, as applied, and the volume, as applied, of each coating;

c. the total uncontrolled VOC emissions from all coatings, in pounds per day;

d. the name and identification of each cleanup material employed;

e. the number of gallons of each cleanup material employed;

f. the uncontrolled VOC content of each cleanup material, in pounds per gallon;

g. the total uncontrolled VOC emissions from all cleanup materials, in pounds per day;

h. the total number of hours the emissions unit was in operation;

i. the average hourly uncontrolled VOC emissions from all coatings and cleanup materials, i.e., (c + g)/h, in pounds per hour (average); and

j. the average hourly controlled VOC emissions from all coatings and cleanup materials, in pounds per hour, calculated using 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.

[Authority for term: OAC rule 3745-77-07(C)(1)]

(5) The permittee shall collect and record the following information each month for this emissions unit:

a. the calculated, controlled VOC emissions from all coatings and cleanup materials, in tons per month, calculated using d)(3)c., d)(3)g. and 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; and

b. the rolling, 12 month summation of VOC emissions from all coatings and cleanup materials, in tons.

(6) 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.

[Authority for term: OAC rule 3745-77-07(C)(1)].

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

63.5150(a)(1)	Bypass monitoring for intermittently-controllable work stations
63.5150(a)(2)	Continuous emission monitoring system (CEMS) requirements if using a CEMS to demonstrate compliance
63.5150(a)(3)	Temperature monitoring of oxidizers
63.5150(a)(4)	Capture system monitoring
63.5160(d)(3)(ii)(D)	Catalytic oxidizer inspection and maintenance plan
63.5170(a)	If using as-purchased compliant coatings
63.5170(b)	If using as-applied compliant coatings
63.5170(c)	If using capture and control device to reduce emissions to no more than

	allowable limit
63.5170(d)	If using capture and control to achieve the emission rate limit
63.5170(e)	If using solvent recovery to demonstrate compliance
63.5170(f)	Use of oxidation to demonstrate compliance
63.5170(g)	If using a combination of capture and control
63.5190(a)(1)	Beginning and ending dates of each compliance option used
63.5190(a)(2)	Records of all measurements needed to demonstrate compliance
63.5190(a)(3)	Records specified in 63.10(b)(3)
63.5190(a)(4)	Records if using CEMS
63.5190(a)(5)	Records of liquid-liquid material balances

[Authority for term: OAC rule 3745-77-07(C)(1)]

(8) The permittee shall comply with the applicable monitoring and record keeping requirements required under 40 CFR Part 60, Subpart TT, including the following sections:

60.463(b)	Monthly performance test requirement
60.463(c)(2)	Determining overall reduction efficiency
60.464(c)	Catalytic incinerator temperature monitoring requirements
60.465(e)	Catalytic incinerator temperature recordkeeping requirements

(9) The permittee received permission from U.S. EPA by letter dated March 8, 2010 to implement the compliance method described in 40 CFR 63.5160(d)(3) to demonstrate compliance with 40 CFR Part 60, Subpart TT. The permittee may only use this method for demonstrating compliance with 40 CFR Part 60, Subpart TT when performing skim coating at this emissions unit. At all other times, the permittee is required to demonstrate compliance with 40 CFR Part 60, Subpart TT using both the catalyst bed inlet temperature and temperature difference requirement.

The permittee is still required to record and report the temperature difference across the catalyst bed during skim coating operations to maintain compliance with the record keeping and reporting requirements of 40 CFR Part 60, Subpart TT. However, compliance during skim coating operations can be demonstrated using only the catalyst bed inlet temperature accompanied by the operation and maintenance plan and annual catalyst activity testing specified under 40 CFR 63.5160(d)(3)(ii)(D).

[Authority for term: OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

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

a. each day during which the calculated, controlled VOC emission rate exceeded 14.02 pounds per hour, and the actual calculated, controlled VOC emission rate for each such day;

b. each month during which annual VOC emissions exceeded 61.5 tons per year as a rolling, 12-month summation of the monthly emissions;

c. all 3-hour blocks of time during which the permanent total enclosure was not maintained at an average differential pressure of at least 0.007 inch of water column when the emissions unit was in operation;

d. all 3-hour blocks of time (when the emissions unit(s) was/were in operation) during which the average temperature of the exhaust gases immediately before the catalyst bed was more than 50 degrees Fahrenheit below the average temperature established during the most recent emission tests that demonstrated the emissions unit(s) was/were in compliance (When using a catalytic incinerator as a MACT SSSS compliance option, the operating limit is the 3-hour average temperature of the exhaust gases immediately before the catalyst bed, as determined during the most recent MACT SSSS compliance test.); and

e. all 3-hour blocks of time (when the emissions unit(s) was/were in operation) during which the average temperature difference across the catalyst bed was less than 80 percent of the average temperature difference established during the most recent emissions test that demonstrated the emissions unit(s) was/were in compliance. (Note that although reporting of the temperature differential summary is required by OAC rule 3745-21-09(B)(4)(c), temperature differential readings less than 80 percent of the average temperature difference established during the most recent emissions test that demonstrated the emissions unit(s) was/were in compliance are not excursions or deviations, since the permittee has chosen to implement a site-specific inspection and maintenance program for the catalytic incinerator. If a SIP change is approved during the term of this permit as specified under OAC rule 3745-21-09(B)(5) to remove the recordkeeping and reporting requirement for temperature differential, then this term and condition will become void upon approval of the SIP change by U.S. EPA.).

f. The permittee shall submit the results of the monthly catalytic incinerator inspections required under c)(3) that are completed during the reporting period.

g. The permittee shall submit the results of the annual catalyst activity test(s) required by c)(3) in the last quarterly report for each year, along with a summary of the results of the annual inspection of the internal integrity of the catalytic incinerator required by c)(3).

If no deviations/excursions occurred during a calendar quarter, the report shall state that no deviations occurred during the reporting period.

[OAC rule 3745-15-03(B)(1)(b), OAC rule 3745-15-03(C) and OAC rule 3745-21-09(B)(4)(c)]

(2) The permittee shall submit quarterly summaries of the following records:

a. any records of downtime (date and length of time) for the capture (collection) system, the catalytic incinerator, and/or the monitoring equipment when the emissions unit(s) was/were in operation; and

b. a log of the operating time for the capture system, catalytic incinerator, monitoring equipment, and the emissions unit(s).

[Authority for term: OAC rule 3745-21-09(B)(4)(c)]

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

(5) The permittee shall submit semiannual reports and such other notifications and reports to the Toledo Division of Environmental Services and EPA Region 5 as are required pursuant to 40 CFR Part 63, Subpart SSSS, per the following sections:

63.5180(a)	Submit reports to EPA Region 5 and Toledo Division of Environmental Services
63.5180(c)	Notification of Performance Test
63.5180(e)	Performance Test Report
63.5180(f)	Start-up shutdown and malfunction reports
63.5180(g)	Semi-annual compliance reports
63.5180(h)	Deviation reports if not using a CEMS
63.5180(i)	Deviation reports if using a CEMS

(6) The permittee shall submit semiannual reports and such other notifications and reports to the Toledo Division of Environmental Services as are required pursuant to 40 CFR Part 60, Subpart TT, per the following sections:

60.465(d)	semi-annual incinerator temperature deviation reports

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

(1) Compliance with the emission limitations in b)(1) and b)(2) of these terms and condition shall be determined accordance with the following methods:

a. Emission limitation:

The permittee shall not allow or permit the discharge into the atmosphere of more than 2 percent of the VOC applied for each calendar month (98 percent emission reduction).

Applicable Compliance Method:

If required, the permittee shall perform additional emissions tests, conducted in accordance with USEPA Method 25 and Methods 204 through Method 204F of 40 CFR Part 60, Appendix A, and methods and procedures of OAC 3745-21-10(C) and 40 CFR Part 60.466.

For Method 25, the sampling time for each of three runs is to be at least 60 minutes, and the minimum sampling volume is to be at least 0.003 dry standard meter (DSCM); however, shorter sampling times or smaller volumes, when necessitated by process variables or other factors, may be approved by the Administrator.

Method 24 and the procedures of 40 CFR 60.466, or data provided by the formulator of the coating, shall be used for determining the VOC content of each coating as applied to the surface of the metal coil. In the event of a dispute, Reference Method 24 shall be the method. When VOC content of waterborne coatings, determined by Method 24, is used to determine compliance of affected facilities, the results of the Method 24 analysis shall be adjusted as described in section 12.6 of Method 24. For Method 24, the coating sample must be at least a 1-liter sample taken at a point where the sample will be representative of the coating as applied to the surface of the metal coil.

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

b. Emission Limitation:

VOC emissions shall not exceed 14.02 pounds per hour.

Applicable Compliance Method:

If required, the permittee shall also demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Method 25 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA-approved compliance methods may be used with prior approval from the Ohio EPA.

[Authority for term: OAC rule 3745-77-07(C)(1)]

c. Emission Limitation:

VOC emissions shall not exceed 61.5 tons per year.

Applicable Compliance Method:

Compliance shall be demonstrated based upon a rolling, summation of monthly emissions calculated in d)(5).

[Authority for term: OAC rule 3745-77-07(C)(1)]

d. Emission Limitation:

CO emissions shall not exceed 2.22 pounds per hour.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the maximum burner capacity of 27 mmBtu/hr, an emission factor of 84 pounds of CO per million standard cubic feet, and a heating value of 1020 Btu per standard cubic foot. This CO emissions factor is specified in Table 1.4-1 of USEPA reference document AP42, Fifth Edison, Compilation of Air Pollution Emission Factors, dated 7/98.

If required, the permittee shall also demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Method 10 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA-approved compliance methods may be used with prior approval from the Ohio EPA.

[Authority for term: OAC rule 3745-77-07(C)(1)]

e. Emission Limitation:

CO emissions shall not exceed 9.7 tons per year.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable CO emission limitation (2.22 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

f. Emission Limitation:

NO_x emissions shall not exceed 2.65 pounds per hour.

Applicable Compliance Method:

Compliance shall be demonstrated based upon the maximum burner capacity of 27 mmBtu, an emission factor of 100 pounds of NO_x per million standard cubic feet, and a heating value of 1020 Btu per standard cubic foot. This NO_x emission factor is specified in Table 1.4-1 of USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 7/98.

If required, the permittee shall also demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Method 7 of 40 CFR Part 60, Appendix A. Alternative U.S. EPA-approved compliance methods may be used with prior approval from the Ohio EPA.

[Authority for term: OAC rule 3745-77-07(C)(1)]

g. Emission Limitation:

NO_x emissions shall not exceed 11.6 tons per year.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable NO_x emission limitation (2.65 lbs/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

h. Emission Limitation:

PE shall not exceed 0.05 pound per hour.

Applicable Compliance Method:

Compliance may be demonstrated based upon the maximum burner capacity of 27 mmBtu/hr, an emission factor of 1.9 lbs of particulates per million standard cubic feet and a heating value of 1020 Btu per standard cubic foot. This

particulate emission factor is specified in Table 1.4-2 of USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 7/98.

If required, the permittee shall also demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Methods 1 through 5 of 40 CFR Part 60, Appendix A and the procedures in OAC rule 3745-17-03(B)(9). Alternative U.S. EPA-approved compliance methods may be used with prior approval from the Ohio EPA.

[Authority for term: OAC rule 3745-77-07(C)(1)]

i. Emission Limitation:

PE shall not exceed 0.22 ton per year.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable CO emission limitation (0.05 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

j. Emission Limitation:

SO_2 emissions shall not exceed 0.02 pound per hour.

Applicable Compliance Method:

Compliance may be demonstrated based upon the maximum burner capacity of 27 mmBtu, an emission factor of 0.6 pound of SO_2 per million standard cubic feet, and a heating value of 1020 Btu per standard cubic foot. This SO_2 emission factor is specified in Table 1.4-2 of USEPA reference document AP-42, Fifth Edition, Compilation of Air Pollution Emission Factors, dated 7/98.

If required, the permittee shall also demonstrate compliance with this emission limitation in accordance with the methods and procedures specified in Method 6 of 40 CFR Part 60, Appendix A and the procedures in OAC rule 3745-18-07(E). Alternative U.S. EPA-approved compliance methods may be used with prior approval from the Ohio EPA.

[Authority for term: OAC rule 3745-77-07(C)(1)]

k. Emission Limitation:

SO_2 emissions shall not exceed and 0.09 ton per year.

Applicable Compliance Method:

The tpy emission limitation was developed by multiplying the short-term allowable SO_2 emission limitation (0.02 lb/hr) by the maximum annual hours of operation (8,760 hours), and then dividing by 2,000 lbs per ton. Therefore, if compliance is shown with the short-term allowable emission limitation, compliance shall also be shown with the annual emission limitation.

[Authority for term: OAC rule 3745-77-07(C)(1)]

l. Emission Limitation:

The permanent total enclosure shall capture 100% of the VOC emitted by the coating applicator.

Applicable Compliance Method:

Compliance shall be demonstrated by performing emission tests conducted in accordance with USEPA Method 204 of 40 CFR Part 51, Appendix M and the methods and procedures specified in OAC rule 3745-21-10(C).

[Authority for term: OAC rule 3745-77-07(C)(1)]

m. Emission Limitation:

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

Applicable Compliance Method:

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

[Authority for term: OAC rule 3745-77-07(C)(1)]

n. Emission Limitation:

98% overall control of organic HAP for each month during each 12-month compliance period

Applicable Compliance Method:

The monitoring and record keeping requirements of d)(7) (40 CFR 63.5170) shall serve as demonstration of compliance with this emission limitation.

If required, the permittee shall demonstrate compliance according to 40 CFR 63.5160(d) and 63.5160(e).

[Authority for term: OAC rule 3745-77-07(C)(1)]

o. Emission Limitation:

0.046 kilogram of organic HAP per liter (0.38 lb/gal) of solids applied during each 12-month compliance period

Applicable Compliance Method:

The monitoring and record keeping requirements of d)(7) (40 CFR 63.5170) shall serve as demonstration of compliance with this emission limitation.

If required, the permittee shall demonstrate compliance with this emission limitation according to 40 CFR 63.5160.

[Authority for term: OAC rule 3745-77-07(C)(1)]

p. Emission Limitation:

100% capture efficiency and organic HAP emissions shall not exceed 20 parts per million by volume (ppmv) on a dry basis

Applicable Compliance Method:

The monitoring and record keeping requirements of d)(7) (40 CFR 63.5170) shall serve as demonstration of compliance with this emission limitation.

If required, the permittee shall demonstrate compliance according to 40 CFR 63.5160(d) and 63.5160(e).

[Authority for term: OAC rule 3745-77-07(C)(1)]

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

a. The emission testing shall be conducted within 6 months prior to permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the mass emission limitation and control efficiency limitation for VOC.

c. The following test method(s) shall be employed to demonstrate compliance with the allowable mass emission limitation for VOC: Methods 1 through 4 and 25 of 40 CFR Part 60, Appendix A. The sampling time for each of three runs is to be at least 60 minutes, and the minimum sampling volume is to be at least 0.003 dscm (0.11 dscf); however, shorter sampling times or smaller volumes, when necessitated by process variables or other factors, may be approved by the Toledo Division of Environmental Services.

d. The control efficiency (i.e., the percent reduction in mass emissions between the inlet and outlet of the control system) shall be determined in accordance with the test methods and procedures specified in 3745-21-10 or an alternative test protocol approved by the Toledo Division of Environmental Services. The test methods and procedures selected shall be based on a consideration of the

diversity of the organic species present and their total concentration, and on a consideration of the potential presence of interfering gases.

e. The permittee shall record the temperature immediately upstream and downstream of the incinerator's catalyst bed, and the pressure differential between the inside and outside of the permanent total enclosure at least once every 15 minutes during each test run. The permittee shall determine the 3-hour average temperature immediately upstream and the 3-hour average temperature immediately downstream of the catalyst bed, and the 3-hour average pressure differential between the inside and outside of the permanent total enclosure during each test run, and include the 3-hour average temperature and pressure differential values in the written test report. (If a SIP change is approved removing the recordkeeping and reporting requirement for temperature differential, then the requirement to measure the downstream temperature and incinerator temperature differential will become void upon approval of the SIP change by U.S. EPA.)

The permittee shall also include a copy of the incinerator temperature recorder chart in the stack test report.

f. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the Toledo Division of Environmental Services. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Toledo Division of Environmental Service's refusal to accept the results of the emission test(s).

g. Personnel from the Toledo Division of Environmental Services shall be permitted to witness the test(s), examine the testing equipment, and acquire data and information necessary to ensure that the operation of the emissions unit and the testing procedures provide a valid characterization of the emissions from the emissions unit and/or the performance of the control equipment.

h. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the Toledo Division of Environmental Services within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the Toledo Division of Environmental Services.

[Authority for term: OAC rule 3745-77-07(C)(1)].

g) Miscellaneous Requirements

(1) None.