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

6/13/2011

Certified Mail

Facility ID: 0149000089
Permit Number: P0083767
County: Madison

Larry Hicks
STANLEY ELECTRIC US COMPANY
420 East High Street
London, OH 43140

RE: PRELIMINARY PROPOSED AIR POLLUTION TITLE V PERMIT
Permit Type: Renewal

Dear Permit Holder:

Enclosed is the Ohio EPA Preliminary Proposed Title V permit that was issued in draft form on 3/31/2011. The comment period for the Draft permit has ended. We are now ready to submit this permit to U.S. EPA for approval.

We are submitting this for your review and comment. If you do not agree with the Preliminary Proposed Title V permit as written, you now have the opportunity to raise your concerns. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Issued Air Pollution Control Permits" link. Comments will be accepted as a marked-up copy of the permit or in narrative format. Any comments must be sent to the following within 14 days of your receipt of this letter:

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

and

Ohio EPA DAPC, Central District Office
50 West Town Street, 6th Floor
P.O. Box 1049
Columbus, OH 43216-1049

If you believe that it is necessary to have an informal conference with us, then, as part of your written comments, you should request a conference concerning the written comments.

If comments are not submitted within 14 days of your receipt of this letter, we will forward the proposed permit to U.S. EPA for approval. All comments received will be carefully considered before proceeding with the proposed permit.

Sincerely,

Michael W. Ahern

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

Cc: Ohio EPA DAPC, Central District Office

# Response to Comments

Response to comments for: Title V Permit

| | |
|---|---|
| Facility ID: | 0149000089 |
| Facility Name: | STANLEY ELECTRIC US COMPANY |
| Facility Description: | Vehicular lighting equipment |
| Facility Address: | 420 East High Street<br>London, OH 43140<br>Madison County |
| Permit #: | P0083767, Renewal |
| A public notice for the draft permit issuance was published in the Ohio EPA Weekly Review and appeared in the The Madison Press on 04/02/2011. The comment period ended on 05/02/2011. | |
| Hearing date (if held) | |
| Hearing Public Notice Date (if different from draft public notice) | |

The following comments were received during the comment period specified. Ohio EPA reviewed and considered all comments received during the public comment period. By law, Ohio EPA has authority to consider specific issues related to protection of the environment and public health. Often, public concerns fall outside the scope of that authority. For example, concerns about zoning issues are addressed at the local level. Ohio EPA may respond to those concerns in this document by identifying another government agency with more direct authority over the issue.

In an effort to help you review this document, the questions are grouped by topic and organized in a consistent format. PDF copies of the original comments in the format submitted are available upon request.

1. Topic: **None**
    a. Comment: **None**

Ohio | Environmental Protection Agency

# PRELIMINARY PROPOSED

# Division of Air Pollution Control
# Title V Permit
for
STANLEY ELECTRIC US COMPANY

| | |
|---|---|
| Facility ID: | 0149000089 |
| Permit Number: | P0083767 |
| Permit Type: | Renewal |
| Issued: | 6/13/2011 |
| 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
STANLEY ELECTRIC US COMPANY

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# Authorization

Facility ID: 0149000089
Facility Description: Vehicular lighting equipment
Application Number(s): A0014176, A0014177, A0014178
Permit Number: P0083767
Permit Description: Renewal TV operating permit for 11 surface coating operations and 7 compression/injection molding machines utilized for the manufacture of vehicular lighting equipment.
Permit Type: Renewal
Issue Date: 6/13/2011
Effective Date: To be entered upon final issuance
Expiration Date: To be entered upon final issuance
Superseded Permit Number: P0083766

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

STANLEY ELECTRIC US COMPANY
420 East High Street
London, OH 43140

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

Ohio EPA DAPC, Central District Office
50 West Town Street, 6th Floor
P.O. Box 1049
Columbus, OH 43216-1049
(614)728-3778

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 Ohio EPA DAPC, Central District Office. 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 Ohio EPA DAPC, Central District Office.

*(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.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:

(1) 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; orthe 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

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

(3) 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 RequirementsUnder 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.)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.

**25. 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))*

**26. 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).

**27. 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))*

**28. 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 of the following facility-wide terms and conditions are federally enforceable with the exception of those listed in B.1.a) below which are enforceable under state law only:

   a) None.

2. The following emissions units contained in this permit are subject to MACT Subpart PPPP: R003, R022, R023, R024, R025, R027, R028, R029, R030, R041, and R042. 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 Central District Office.

3. The following emissions units contained in this permit are subject to MACT Subpart WWWW: R032, R033, R036, R037, R038, R039, and R040. 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 Central District Office.

# C. Emissions Unit Terms and Conditions

**1. R003, Topcoat**

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

Topcoat Line spray booth with dry filtration vented to thermal incinerator 20-2.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| a. | OAC rule 3745-31-05(A)(3)<br><br>(P0108161) | Volatile organic compound (VOC) emissions shall not exceed 2.5 pounds per hour (lbs/hr) and 5.0 tons per year (TPY). |
| b. | OAC rule 3745-21-07(G)(2) | Organic Compound (OC) emissions shall be reduced overall by a minimum of 85%.<br><br>See b)(2)a.i. |
| c. | OAC rule 3745-21-07(M)(2) | This emissions unit shall be equipped with a control system that reduces OC emissions by an overall control efficiency of at least 85%, by weight.<br><br>See b)(2)a.ii. |
| d. | OAC rule 3745-21-07(G)(6) | See b)(2)a.iii. |
| e. | OAC rule 3745-17-11(C) | See c)(1) and c)(2) |
| f. | 40 CFR Part 63, Subpart PPPP (40 CFR 63.4480-4581) | See b)(2)b. |
| g. | 40 CFR Part 63, Subpart A (40 CFR Part 63.1-16) | See b)(2)c. |

(2) Additional Terms and Conditions

a. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to

comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio. The following terms and conditions shall become void after U.S. EPA approves the rule revision:

i. b)(1)b.

The emission limitations and control requirements from the amended 21-07 rule, and the associated operational restrictions and the monitoring, record keeping, and reporting requirements contained in this permit, shall become federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan. The following terms shall become federally enforceable after U.S. EPA approves the rule revision:

ii. b)(1)c.

The following term is required by OAC rule 3745-21-07(G)(6) and is part of the federally-approved Ohio State Implementation Plan and will remain federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan as identified by OAC rule 3745-21-07(M)(2):

iii. Ninety percent or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.

b. The facility is subject to the following applicable emissions limitation(s) identified in 40 CFR Part 63, Subpart PPPP, Section 63.4490(b)(2):

i. For each existing automotive lamp coating affected source, limit organic HAP emissions to no more than 0.45 kg (0.45 lb) per kg (lb) coating solids used during each 12-month compliance period.

c. Table 2 to subpart PPPP of 40 CFR Part 63 - "Applicability of General Provisions (Subpart A) to subpart PPPP of Part 63" identifies which parts of the General Provisions in 40 CFR Part 63.1-16 apply.

c) Operational Restrictions

(1) The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

[Authority for term: OAC rule 3745-17-11(C)(1), OAC rule 3745-17-11(C)(2)(b), and OAC rule 3745-77-07(A)(1)]

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

[Authority for term: OAC rule 3745-17-11(C)(2)(e) and OAC rule 3745-77-07(A)(1)]

(3) The permittee shall comply with the applicable operational restrictions necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(A)(1)]

(4) The permittee shall comply with the applicable operational restrictions necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

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

a. The company identification for each coating and clean-up material employed, and documentation of the chemical content of each;

b. The number of gallons of each coating and clean-up material employed;

c. The OC content of each coating and clean-up material employed, in pounds OC per gallon;

d. If a credit to emissions from recovered clean-up material is to be used in emissions calculations, the number of gallons of clean-up material reclaimed for off-site recycle, recovery, and/or disposal;

e. The total controlled OC emissions rate for all coatings and clean-up materials, in pounds per day. The controlled OC emission rate shall be 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;

f. The total number of hours the emissions unit was in operation; and

g. The average hourly controlled OC emissions rate for all coatings and clean-up materials, in pounds per hour (average).

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

(2) The permittee shall properly install, operate, and maintain a continuous temperature monitor and recorder that measures and records the combustion temperature within the thermal oxidizer when the emissions unit(s) is/are in operation, including periods of startup and shutdown. 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 monitor and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and the operating manuals, with any modifications deemed necessary by the permittee. 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 thermal oxidizer was/were in operation, during which the average combustion temperature within the thermal oxidizer was more than 50 degrees Fahrenheit below the average temperature measured during the most recent performance test that demonstrated the emissions unit(s) was/were in compliance; and

b. a log (date and total time) of the downtime or bypass of the capture (collection) system and thermal oxidizer, and/or downtime of the monitoring equipment, when the associated emissions unit(s) was/were in operation.

[Authority for term: OAC rule 3745-21-07(G)(1), OAC rule 3745-21-07(G)(6)(a), OAC rule 3745-21-07(G)(7), and OAC rule 3745-77-07(C)(1)]

(3) Whenever the monitored average combustion temperature within the thermal oxidizer deviates from the range or limit established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

a. the date and time the deviation began;

b. the magnitude of the deviation at that time;

c. the date the investigation was conducted;

d. the name(s) of the personnel who conducted the investigation; and

e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range/limit specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

a. a description of the corrective action;

b. the date corrective action was completed;

c. the date and time the deviation ended;

d. the total period of time (in minutes) during which there was a deviation;

e. the temperature readings immediately after the corrective action was implemented; and

f. the name(s) of the personnel who performed the work.

Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The temperature range/limit is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted temperature range/limit based upon information obtained during future performance tests that demonstrate compliance with the allowable emission rate(s) for the controlled pollutant(s). In addition, approved revisions to the temperature range/limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a minor permit modification.

[Authority for term: OAC rule 3745-21-07(G)(1), OAC rule 3745-21-07(G)(6)(a), OAC rule 3745-21-07(G)(7), and OAC rule 3745-77-07(C)(1)]

(4) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[Authority for term: OAC 3745-17-11(C)(2)(a) and OAC rule 3745-77-07(C)(1)]

(5) The permittee shall conduct periodic inspections of the dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(C)(1)]

(6) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.

[Authority for term: OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(C)(1)]

(7) The permittee shall document each inspection (periodic and annual) of the dry particulate filter system and shall maintain the following information:

a. the date of the inspection;
b. a description of each/any problem identified and the date it was corrected;
c. a description of any maintenance and repairs performed; and
d. the name of person who performed the inspection.

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

[Authority for term: OAC rule 3745-17-11(C)(2)(d), OAC rule 3745-17-11(C)(2)(f), and 3745-77-07(C)(1)]

(8) The permittee shall maintain records that document any time periods when the dry particulate filter was not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(e), OAC rule 3745-17-11(C)(2)(f), OAC rule 3745-17-11(C)(2)(g), and 3745-77-07(C)(1)]

(9) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(10) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

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

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

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

a. all days during which the average hourly VOC emission rate from coatings and cleanup materials exceeded the limit contained in b)(1), and the actual average VOC emission rate for each such day;

b. any daily record showing that the dry particulate filter system was not in service or not operated according to manufacturer's recommendations (with any documented modifications made by the permittee) when the emissions unit(s) was/were in operation;

c. each period of time (start time and date, and end time and date) when the average combustion temperature within the thermal oxidizer was outside of the acceptable range;

d. any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the thermal oxidizer;

e. each incident of deviation described in "c" or "d" (above) where a prompt investigation was not conducted;

f. each incident of deviation described in "c" or "d" where prompt corrective action, that would bring the emissions unit(s) into compliance and/or the temperature within the thermal oxidizer into compliance with the acceptable range, was determined to be necessary and was not taken; and

g. each incident of deviation described in "c" or "d" where proper records were not maintained for the investigation and/or the corrective action(s).

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

[Authority for term: OAC rule 3745-15-03(B)(1)(a), OAC rule 3745-15-03(C), and OAC rule 3745-77-07(C)(1)]

(3) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(4) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

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

a. <u>Emissions Limitations:</u>

VOC emissions shall not exceed 2.5 lbs/hr and 5.0 TPY.

<u>Applicable Compliance Method:</u>

Compliance with the hourly VOC emission limitation shall be determined in accordance with the recordkeeping requirements established in d)(1).

Compliance with the annual VOC limitation shall be determined by summing the daily OC emissions required by d)(1).

b. <u>Emissions Limitations:</u>

OC emissions shall be reduced overall by a minimum of 85%; and

This emissions unit shall be equipped with a control system that reduces OC emissions by an overall control efficiency of at least 85%, by weight.

Applicable Compliance Method:

Compliance with this limitation shall be determined in accordance with the testing requirements established in f)(4).

c. Emissions Limitations:

Ninety percent or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.

Applicable Compliance Method:

If required, compliance with this limitation shall be determined in accordance with the testing performed in accordance with 40 CFR Part 60, Appendix A, Method 10.

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

(2) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(3) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

(4) 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 after issuance of the permit and within 6 months prior to the permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the limitations identified in f)(1)b.

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

i. Methods 1 through 4 from 40 CFR Part 60, Appendix A for velocity traverses, velocity and volumetric flow rates, gas analysis, and moisture content; and

ii. Method 18, Method 25, or Method 25A from 40 CFR Part 60, Appendix A.

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

The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an

alternative method or procedure for the determination of capture efficiency in accordance with the USEPA s Guidelines for Determining Capture Efficiency, dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.)

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 Ohio EPA. 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.

d. 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 appropriate Ohio EPA District Office or local air agency.

e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

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

g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

[Authority for term: OAC rule 3745-15-04(A) and OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

## 2. R024, HardCoat

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

Hardcoat Line spray booth with infrared oven, UV oven and dry filtration venting to thermal incinerator 20-2.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| a. | OAC rule 3745-31-05(A)(3)<br><br>(P0108161) | Organic compound (OC) emissions shall not exceed 2.89 pounds per hour (lbs/hr) and 12.66 tons per year (TPY).<br><br>Particulate emissions (PE) shall not exceed 2.4 TPY.<br><br>See b)(2)a. |
| b. | OAC rule 3745-21-07(G)(2) | The emissions limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).<br><br>See b)(2)b. |
| c. | OAC rule 3745-21-07(M)(2) | The overall OC emissions reduction requirement specified by this rule is less stringent than the overall OC emissions reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).<br><br>See b)(2)b. |
| d. | OAC rule 3745-21-07 (G)(6) | See b)(2)b. |
| e. | OAC rule 3745-17-11(C) | See c)(1) and c)(2). |
| f. | 40 CFR Part 63, Subpart PPPP (40 CFR 63.4480-4581) | See b)(2)c. |
| g. | 40 CFR Part 63, Subpart A (40 CFR Part 63.1-16) | See b)(2)d. |

(2) Additional Terms and Conditions

a. Best available technology (BAT) control requirements for this emissions unit have been determined to be the use of a permanent total enclosure (PTE) and a thermal incinerator with a minimum destruction and removal efficiency of 95% for OC emissions. BAT also includes compliance with the terms and conditions of this permit. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the acceptable average combustion temperature within the thermal oxidizer, for any 3-hour block of time when the emissions unit(s) controlled by the thermal oxidizer is/are in operation, shall not be more than 50 degrees Fahrenheit below the average temperature measured during the most recent performance test that demonstrated the emissions unit(s) was/were in compliance.

b. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio.

The emission limitations and control requirements from the amended 21-07 rule, and the associated operational restrictions and the monitoring, record keeping, and reporting requirements contained in this permit, shall become federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan.

The following term is required by OAC rule 3745-21-07(G)(6) and is part of the federally-approved Ohio State Implementation Plan and will remain federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan as identified by OAC rule 3745-21-07(M)(2):

i. Ninety percent or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.

c. The facility is subject to the following applicable emissions limitation(s) identified in 40 CFR Part 63, Subpart PPPP, Section 63.4490(b)(2):

i. For each existing automotive lamp coating affected source, limit organic HAP emissions to no more than 0.45 kg (0.45 lb) per kg (lb) coating solids used during each 12-month compliance period.

d. Table 2 to subpart PPPP of 40 CFR Part 63 - "Applicability of General Provisions (Subpart A) to subpart PPPP of Part 63" identifies which parts of the General Provisions in 40 CFR Part 63.1-16 apply.

c) Operational Restrictions

(1) The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

[Authority for term: OAC rule 3745-17-11(C)(1), OAC rule 3745-17-11(C)(2)(b), and OAC rule 3745-77-07(A)(1)]

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

[Authority for term: OAC rule 3745-17-11(C)(2)(e) and OAC rule 3745-77-07(A)(1)]

(3) The permittee shall comply with the applicable operational restrictions necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(A)(1)]

(4) The permittee shall comply with the applicable operational restrictions necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each day for the coating operation:

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

b. The OC content of each coating, as applied, in pounds per gallon;

c. The number of gallons of each coating employed;

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

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

f. The OC content of each cleanup material, in pounds per gallon;

g. The name and identification number of the wash booth solvent, as applied;

h. The OC content of the wash booth solvent, as applied, in pounds per gallon;

i. The number of gallons of wash booth solvent employed;

j. The total uncontrolled OC emissions from all coatings, cleanup materials, and wash booth solvents employed, in pounds or tons;

k. The calculated, controlled OC emission rate for all coatings, cleanup materials, and and wash booth solvents in pounds or tons. The controlled OC emission rate shall be 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;

l. The total number of hours the emissions unit was in operation; and

m. The average hourly controlled emissions rate [i.e., d)(1)k. divided by d)(1)l., in pounds per hour (average)].

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

(2) The permittee shall collect and record the total OC emissions for all coatings and clean-up materials, in pounds per month.

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

(3) The permittee shall properly install, operate, and maintain a continuous temperature monitor and recorder that measures and records the combustion temperature within the thermal oxidizer when the emissions unit(s) is/are in operation, including periods of startup and shutdown. 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 monitor and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and the operating manuals, with any modifications deemed necessary by the permittee. 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 thermal oxidizer was/were in operation, during which the average combustion temperature within the thermal oxidizer was more than 50 degrees Fahrenheit below the average temperature measured during the most recent performance test that demonstrated the emissions unit(s) was/were in compliance; and

b. a log (date and total time) of the downtime or bypass of the capture (collection) system and thermal oxidizer, and/or downtime of the monitoring equipment, when the associated emissions unit(s) was/were in operation.

[Authority for term: OAC rule 3745-21-07(G)(1), OAC rule 3745-21-07(G)(6)(a), and OAC rule 3745-21-07(G)(7)]

(4) Whenever the monitored average combustion temperature within the thermal oxidizer deviates from the range or limit established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

a. the date and time the deviation began;

b. the magnitude of the deviation at that time;

c. the date the investigation was conducted;

d. the name(s) of the personnel who conducted the investigation; and

e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range/limit specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

a. a description of the corrective action;

b. the date corrective action was completed;

c. the date and time the deviation ended;

d. the total period of time (in minutes) during which there was a deviation;

e. the temperature readings immediately after the corrective action was implemented; and

f. the name(s) of the personnel who performed the work.

Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The temperature range/limit is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted temperature range/limit based upon information obtained during future performance tests that demonstrate compliance with the allowable emission rate(s) for the controlled pollutant(s). In addition, approved revisions to the temperature range/limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a minor permit modification.

[Authority for term: OAC rule 3745-21-07(G)(1), OAC rule 3745-21-07(G)(6)(a), OAC rule 3745-21-07(G)(7), and OAC rule 3745-77-07(C)(1)]

(5) The permittee shall install, maintain, and operate monitoring devices and a recorder which continuously and simultaneously measure and record the pressure inside and outside the permanent total enclosure surrounding this emissions unit. 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 continuously record the pressure differential between the inside and outside of the permanent total enclosure, when the emissions unit is in operation.

[Authority for term: OAC 3745-17-11(C)(3)]

(6) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[Authority for term: OAC 3745-17-11(C)(2)(a) and OAC rule 3745-77-07(C)(1)]

(7) The permittee shall conduct periodic inspections of the dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(C)(1)]

(8) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.

[Authority for term: OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(C)(1)]

(9) The permittee shall document each inspection (periodic and annual) of the dry particulate filter system and shall maintain the following information:

a. the date of the inspection;
b. a description of each/any problem identified and the date it was corrected;
c. a description of any maintenance and repairs performed; and
d. the name of person who performed the inspection.

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

[Authority for term: OAC rule 3745-17-11(C)(2)(d), OAC rule 3745-17-11(C)(2)(f), and 3745-77-07(C)(1)]

(10) The permittee shall maintain records that document any time periods when the dry particulate filter was not in service when the emissions unit(s) was/were in operation, as

well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(e), OAC rule 3745-17-11(C)(2)(f), OAC rule 3745-17-11(C)(2)(g), and 3745-77-07(C)(1)]

(11) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(12) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

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

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(2) The permittee shall submit quarterly deviation (excursion) reports which identify the following:

a. all days during which the average hourly OC emission rate from coatings and cleanup materials exceeded the limit contained in b)(1), and the actual average OC emission rate for each such day;

b. any daily record showing that the dry particulate filter system was not in service or not operated according to manufacturer's recommendations (with any documented modifications made by the permittee) when the emissions unit(s) was/were in operation;

c. all periods of time during which the permanent total enclosure was not maintained in such a manner as to meet the criteria established for a PTE in Method 204 (40 CFR Part 51), when the emissions unit was in operation;

d. each period of time (start time and date, and end time and date) when the average combustion temperature within the thermal oxidizer was outside of the acceptable range;

e. any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the thermal oxidizer;

f. each incident of deviation described in “d” or ”e” (above) where a prompt investigation was not conducted;

g. each incident of deviation described in “d” or ”e” where prompt corrective action, that would bring the emissions unit(s) into compliance and/or the temperature within the thermal oxidizer into compliance with the acceptable range, was determined to be necessary and was not taken; and

h. each incident of deviation described in “d” or ”e” where proper records were not maintained for the investigation and/or the corrective action(s).

The quarterly deviation (excursion) reports 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), OAC rule 3745-15-03(B)(1)(a), and OAC rule 3745-15-03(C)]

(3) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(4) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

(1) Compliance with the emission limitation(s) in b)(1) of these terms and conditions shall be determined in accordance with the following method(s):

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

Particulate emissions shall not exceed 2.4 TPY.

<u>Applicable Compliance Method:</u>

If required, the permittee shall demonstrate compliance with this emission limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, methods 1 through 5 and the procedures specified in OAC rule 3745-17-03(B)(9) to determine the pounds particulate matter per hour emissions rate. A conversion factor of 4.38 times the hourly emissions rate shall be used to determine the tons per year.

b. <u>Emissions Limitation:</u>

OC emissions shall not exceed 2.89 lbs/hr and 12.66 TPY.

Applicable Compliance Method:

Compliance with the hourly OC limit shall be determined through daily recordkeeping as specified in d)(1).

Compliance with the annual OC limitation shall be determined by summing the monthly OC emissions required by d)(2).

c. Emissions Limitation:

Ninety percent or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.

Applicable Compliance Method:

If required, compliance with this limitation shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 10.

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

(2) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(3) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

(4) 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 after issuance of the permit and within 6 months prior to the permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the requirement to use a permanent total enclosure (PTE) and a thermal incinerator with a minimum destruction and removal efficiency of 95% for OC emissions.

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

i. Methods 1 through 4 from 40 CFR Part 60, Appendix A for velocity traverses, velocity and volumetric flow rates, gas analysis, and moisture content; and

ii. Method 18, Method 25, or Method 25A from 40 CFR Part 60, Appendix A.

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

The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA s Guidelines for Determining Capture Efficiency, dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.)

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 Ohio EPA. 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.

d. 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 appropriate Ohio EPA District Office or local air agency.

e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

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

g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-15-04(A)]

g) Miscellaneous Requirements

(1) None.

**3. R025, UV Line 3**

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

UV Line 3 spray booth with infrared oven, UV oven and dry filtration venting to thermal incinerator 20-3.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| a. | OAC rule 3745-31-05(A)(3)<br><br>(P0108161) | Organic compound (OC) emissions shall not exceed 0.9 pound per hour (lb/hr) and 3.7 tons per year (TPY).<br><br>Particulate emissions (PE) shall not exceed 0.31 lb/hr and 1.4 TPY.<br><br>See b)(2)a. |
| b. | OAC rule 3745-21-07(G)(2) | The emissions limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).<br><br>See b)(2)b. |
| c. | OAC rule 3745-21-07(M)(2) | The overall OC emissions reduction requirement specified by this rule is less stringent than the overall OC emissions reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).<br><br>See b)(2)b. |
| d. | OAC rule 3745-21-07 (G)(6) | See b)(2)b. |
| e. | OAC rule 3745-17-11(C) | See c)(1) and c)(2). |
| f. | 40 CFR Part 63, Subpart PPPP (40 CFR 63.4480-4581) | See b)(2)c. |
| g. | 40 CFR Part 63, Subpart A (40 CFR Part 63.1-16) | See b)(2)d. |

(2) Additional Terms and Conditions

a. Best available technology (BAT) control requirements for this emissions unit have been determined to be the use of a permanent total enclosure (PTE) and a thermal incinerator with a minimum destruction and removal efficiency of 95% for OC emissions. BAT also includes compliance with the terms and conditions of this permit. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the acceptable average combustion temperature within the thermal oxidizer, for any 3-hour block of time when the emissions unit(s) controlled by the thermal oxidizer is/are in operation, shall not be more than 50 degrees Fahrenheit below the average temperature measured during the most recent performance test that demonstrated the emissions unit(s) was/were in compliance.

b. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio.

The emission limitations and control requirements from the amended 21-07 rule, and the associated operational restrictions and the monitoring, record keeping, and reporting requirements contained in this permit, shall become federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan.

The following term is required by OAC rule 3745-21-07(G)(6) and is part of the federally-approved Ohio State Implementation Plan and will remain federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan as identified by OAC rule 3745-21-07(M)(2):

i. Ninety percent or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.

c. The facility is subject to the following applicable emissions limitation(s) identified in 40 CFR Part 63, Subpart PPPP, Section 63.4490(b)(2):

i. For each existing automotive lamp coating affected source, limit organic HAP emissions to no more than 0.45 kg (0.45 lb) per kg (lb) coating solids used during each 12-month compliance period.

d. Table 2 to subpart PPPP of 40 CFR Part 63 - "Applicability of General Provisions (Subpart A) to subpart PPPP of Part 63" identifies which parts of the General Provisions in 40 CFR Part 63.1-16 apply.

c) Operational Restrictions

(1) The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

[Authority for term: OAC rule 3745-17-11(C)(1), OAC rule 3745-17-11(C)(2)(b), and OAC rule 3745-77-07(A)(1)]

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

[Authority for term: OAC rule 3745-17-11(C)(2)(e) and OAC rule 3745-77-07(A)(1)]

(3) The permittee shall comply with the applicable operational restrictions necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(A)(1)]

(4) The permittee shall comply with the applicable operational restrictions necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each day for the coating operation:

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

b. the OC content of each coating, as applied, in pounds per gallon;

c. the number of gallons of each coating employed;

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

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

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

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

h. the total uncontrolled OC emission rate from all coating and cleanup materials, in pounds [i.e., sum of d)(1)b. x d)(1)c. of all coatings + sum of d)(1)e. x d)(1)f. of all cleanup materials];

i. the calculated, controlled OC emission rate for all coatings and cleanup materials, in pounds or tons. The controlled OC emission rate shall be 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; and

j. the average hourly controlled OC emissions rate [i.e., d)(1)i. divided by d)(1)g., in pounds per hour (average)].

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

(2) The permittee shall collect and record the total OC emissions for all coatings and clean-up materials, in pounds per month.

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

(3) The permittee shall properly install, operate, and maintain a continuous temperature monitor and recorder that measures and records the combustion temperature within the thermal oxidizer when the emissions unit(s) is/are in operation, including periods of startup and shutdown. 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 monitor and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and the operating manuals, with any modifications deemed necessary by the permittee. 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 thermal oxidizer was/were in operation, during which the average combustion temperature within the thermal oxidizer was more than 50 degrees Fahrenheit below the average temperature measured during the most recent performance test that demonstrated the emissions unit(s) was/were in compliance; and

b. a log (date and total time) of the downtime or bypass of the capture (collection) system and thermal oxidizer, and/or downtime of the monitoring equipment, when the associated emissions unit(s) was/were in operation.

[Authority for term: OAC rule 3745-21-07(G)(1), OAC rule 3745-21-07(G)(6)(a), and OAC rule 3745-21-07(G)(7)]

(4) Whenever the monitored average combustion temperature within the thermal oxidizer deviates from the range or limit established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

a. the date and time the deviation began;

b. the magnitude of the deviation at that time;

c. the date the investigation was conducted;

d. the name(s) of the personnel who conducted the investigation; and

e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range/limit specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

a. a description of the corrective action;

b. the date corrective action was completed;

c. the date and time the deviation ended;

d. the total period of time (in minutes) during which there was a deviation;

e. the temperature readings immediately after the corrective action was implemented; and

f. the name(s) of the personnel who performed the work.

Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The temperature range/limit is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted temperature range/limit based upon information obtained during future performance tests that demonstrate compliance with the allowable emission rate(s) for the controlled pollutant(s). In addition, approved revisions to the temperature range/limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a minor permit modification.

[Authority for term: OAC rule 3745-21-07(G)(1), OAC rule 3745-21-07(G)(6)(a), OAC rule 3745-21-07(G)(7), and OAC rule 3745-77-07(C)(1)]

(5) The permittee shall install, maintain, and operate monitoring devices and a recorder which continuously and simultaneously measure and record the pressure inside and outside the permanent total enclosure surrounding this emissions unit. 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 continuously record the pressure differential between the inside and outside of the permanent total enclosure, when the emissions unit is in operation.

[Authority for term: OAC 3745-17-11(C)(3)]

(6) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[Authority for term: OAC 3745-17-11(C)(2)(a) and OAC rule 3745-77-07(C)(1)]

(7) The permittee shall conduct periodic inspections of the dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(C)(1)]

(8) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.

[Authority for term: OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(C)(1)]

(9) The permittee shall document each inspection (periodic and annual) of the dry particulate filter system and shall maintain the following information:

a. the date of the inspection;
b. a description of each/any problem identified and the date it was corrected;
c. a description of any maintenance and repairs performed; and
d. the name of person who performed the inspection.

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

[Authority for term: OAC rule 3745-17-11(C)(2)(d), OAC rule 3745-17-11(C)(2)(f), and 3745-77-07(C)(1)]

(10) The permittee shall maintain records that document any time periods when the dry particulate filter was not in service when the emissions unit(s) was/were in operation, as

well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(e), OAC rule 3745-17-11(C)(2)(f), OAC rule 3745-17-11(C)(2)(g), and 3745-77-07(C)(1)]

(11) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(12) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

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

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(2) The permittee shall submit quarterly deviation (excursion) reports which identify the following:

a. all days during which the average hourly OC emission rate from coatings and cleanup materials exceeded the limit contained in b)(1), and the actual average OC emission rate for each such day;

b. any daily record showing that the dry particulate filter system was not in service or not operated according to manufacturer's recommendations (with any documented modifications made by the permittee) when the emissions unit(s) was/were in operation;

c. all periods of time during which the permanent total enclosure was not maintained in such a manner as to meet the criteria established for a PTE in Method 204 (40 CFR Part 51), when the emissions unit was in operation;

d. each period of time (start time and date, and end time and date) when the average combustion temperature within the thermal oxidizer was outside of the acceptable range;

e. any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the thermal oxidizer;

f. each incident of deviation described in “d” or ”e” (above) where a prompt investigation was not conducted;

g. each incident of deviation described in “d” or ”e” where prompt corrective action, that would bring the emissions unit(s) into compliance and/or the temperature within the thermal oxidizer into compliance with the acceptable range, was determined to be necessary and was not taken; and

h. each incident of deviation described in “d” or ”e” where proper records were not maintained for the investigation and/or the corrective action(s).

The quarterly deviation (excursion) reports 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), OAC rule 3745-15-03(B)(1)(a), and OAC rule 3745-15-03(C)]

(3) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(4) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

(1) Compliance with the emission limitation(s) in b)(1) of these terms and conditions shall be determined in accordance with the following method(s):

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

OC emissions shall not exceed 0.9 lb/hr and 3.7 TPY.

<u>Applicable Compliance Method:</u>

Compliance with the hourly OC limit shall be determined through daily recordkeeping as specified in d)(1).

Compliance with the annual OC limitation shall be determined by summing the monthly OC emissions required by d)(2).

Formulation data or 40 CFR Part 60, Appendix A, Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

b. <u>Emissions Limitation:</u>

Particulate emissions shall not exceed 0.31 lb/hr and 1.4 TPY.

Applicable Compliance Method:

To determine the actual worst case hourly emission rate for PE, the following equation may be used:

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

where:

E = particulate emission rate (lbs/hr),

M = maximum coating solids usage rate (8.3 lbs/hr),

TE = transfer efficiency of coating equipment (ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used - 25%), and

CE = control efficiency of the control equipment (95% for the particulate filtration system).

Note: The values cited for M, TE, and CE are based on manufacturer's data.

If required, the permittee shall demonstrate compliance with the hourly emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

The annual emission limitation was established by multiplying the hourly limitation by 8,760 hours/year and then dividing by 2,000 pounds/ton. Compliance with the annual emission limitation may be assumed as long as compliance with the hourly emission limitation is maintained.

c. Emissions Limitation:

Ninety percent or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.

Applicable Compliance Method:

If required, compliance with this limitation shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 10.

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

(2) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(3) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

(4) 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 after issuance of the permit and within 6 months prior to the permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the requirement to use a permanent total enclosure (PTE) and a thermal incinerator with a minimum destruction and removal efficiency of 95% for OC emissions.

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

i. Methods 1 through 4 from 40 CFR Part 60, Appendix A for velocity traverses, velocity and volumetric flow rates, gas analysis, and moisture content; and

ii. Method 18, Method 25, or Method 25A from 40 CFR Part 60, Appendix A.

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

The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA s Guidelines for Determining Capture Efficiency, dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.)

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 Ohio EPA. 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.

d. 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 appropriate Ohio EPA District Office or local air agency.

e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval

prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

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

g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-15-04(A)]

g) Miscellaneous Requirements

(1) None.

**4. R027, Deco R027**

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

Decorative Coating Line spray booth with infrared oven, UV oven and dry filtration venting to thermal incinerator 20-3.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| a. | OAC rule 3745-31-05(A)(3)<br><br>(P0108161) | Organic compound (OC) emissions shall not exceed 0.53 pound per hour (lb/hr) and 1.8 tons per year (TPY), including cleanup.<br><br>Particulate emissions (PE) shall not exceed 0.10 lb/hr and 0.44 TPY.<br><br>See b)(2)a. |
| b. | OAC rule 3745-21-07(G)(2) | The emissions limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).<br><br>See b)(2)b. |
| c. | OAC rule 3745-21-07(M)(2) | The overall OC emissions reduction requirement specified by this rule is less stringent than the overall OC emissions reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).<br><br>See b)(2)b. |
| d. | OAC rule 3745-21-07 (G)(6) | See b)(2)b. |
| e. | OAC rule 3745-17-11(C) | See c)(1) and c)(2). |
| f. | 40 CFR Part 63, Subpart PPPP (40 CFR 63.4480-4581) | See b)(2)c. |

| | | |
|---|---|---|
| g. | 40 CFR Part 63, Subpart A (40 CFR Part 63.1-16) | See b)(2)d. |

(2) Additional Terms and Conditions

a. Best available technology (BAT) control requirements for this emissions unit have been determined to be the use of a permanent total enclosure (PTE) and a thermal incinerator with a minimum destruction and removal efficiency of 95% for OC emissions. BAT also includes compliance with the terms and conditions of this permit. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the acceptable average combustion temperature within the thermal oxidizer, for any 3-hour block of time when the emissions unit(s) controlled by the thermal oxidizer is/are in operation, shall not be more than 50 degrees Fahrenheit below the average temperature measured during the most recent performance test that demonstrated the emissions unit(s) was/were in compliance.

b. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio.

The emission limitations and control requirements from the amended 21-07 rule, and the associated operational restrictions and the monitoring, record keeping, and reporting requirements contained in this permit, shall become federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan.

The following term is required by OAC rule 3745-21-07(G)(6) and is part of the federally-approved Ohio State Implementation Plan and will remain federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan as identified by OAC rule 3745-21-07(M)(2):

i. Ninety percent or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.

c. The facility is subject to the following applicable emissions limitation(s) identified in 40 CFR Part 63, Subpart PPPP, Section 63.4490(b)(2):

i. For each existing automotive lamp coating affected source, limit organic HAP emissions to no more than 0.45 kg (0.45 lb) per kg (lb) coating solids used during each 12-month compliance period.

d. Table 2 to subpart PPPP of 40 CFR Part 63 - "Applicability of General Provisions (Subpart A) to subpart PPPP of Part 63" identifies which parts of the General Provisions in 40 CFR Part 63.1-16 apply.

c) Operational Restrictions

(1) The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

[Authority for term: OAC rule 3745-17-11(C)(1), OAC rule 3745-17-11(C)(2)(b), and OAC rule 3745-77-07(A)(1)]

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

[Authority for term: OAC rule 3745-17-11(C)(2)(e) and OAC rule 3745-77-07(A)(1)]

(3) The permittee shall comply with the applicable operational restrictions necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(A)(1)]

(4) The permittee shall comply with the applicable operational restrictions necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each day for the coating operation:

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

b. the OC content of each coating, as applied, in pounds per gallon;

c. the number of gallons of each coating employed;

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

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

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

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

h. the total uncontrolled OC emission rate from all coating and cleanup materials, in pounds [i.e., sum of d)(1)b. x d)(1)c. of all coatings + sum of d)(1)e. x d)(1)f. of all cleanup materials];

i. the calculated, controlled OC emission rate for all coatings and cleanup materials, in pounds or tons. The controlled OC emission rate shall be 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; and

j. the average hourly controlled OC emissions rate [i.e., d)(1)i. divided by d)(1)g., in pounds per hour (average)].

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

(2) The permittee shall collect and record the total OC emissions for all coatings and clean-up materials, in pounds per month.

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

(3) The permittee shall properly install, operate, and maintain a continuous temperature monitor and recorder that measures and records the combustion temperature within the thermal oxidizer when the emissions unit(s) is/are in operation, including periods of startup and shutdown. 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 monitor and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and the operating manuals, with any modifications deemed necessary by the permittee. 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 thermal oxidizer was/were in operation, during which the average combustion temperature within the thermal oxidizer was more than 50 degrees Fahrenheit below the average temperature measured during the most recent performance test that demonstrated the emissions unit(s) was/were in compliance; and

b. a log (date and total time) of the downtime or bypass of the capture (collection) system and thermal oxidizer, and/or downtime of the monitoring equipment, when the associated emissions unit(s) was/were in operation.

[Authority for term: OAC rule 3745-21-07(G)(1), OAC rule 3745-21-07(G)(6)(a), and OAC rule 3745-21-07(G)(7)]

(4) Whenever the monitored average combustion temperature within the thermal oxidizer deviates from the range or limit established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

a. the date and time the deviation began;

b. the magnitude of the deviation at that time;

c. the date the investigation was conducted;

d. the name(s) of the personnel who conducted the investigation; and

e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range/limit specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

a. a description of the corrective action;

b. the date corrective action was completed;

c. the date and time the deviation ended;

d. the total period of time (in minutes) during which there was a deviation;

e. the temperature readings immediately after the corrective action was implemented; and

f. the name(s) of the personnel who performed the work.

Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The temperature range/limit is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted temperature range/limit based upon information obtained during future performance tests that demonstrate compliance with the allowable emission rate(s) for the controlled pollutant(s). In addition, approved revisions to the temperature range/limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a minor permit modification.

[Authority for term: OAC rule 3745-21-07(G)(1), OAC rule 3745-21-07(G)(6)(a), OAC rule 3745-21-07(G)(7), and OAC rule 3745-77-07(C)(1)]

(5) The permittee shall install, maintain, and operate monitoring devices and a recorder which continuously and simultaneously measure and record the pressure inside and outside the permanent total enclosure surrounding this emissions unit. 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 continuously record the pressure differential between the inside and outside of the permanent total enclosure, when the emissions unit is in operation.

[Authority for term: OAC 3745-17-11(C)(3)]

(6) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[Authority for term: OAC 3745-17-11(C)(2)(a) and OAC rule 3745-77-07(C)(1)]

(7) The permittee shall conduct periodic inspections of the dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(C)(1)]

(8) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.

[Authority for term: OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(C)(1)]

(9) The permittee shall document each inspection (periodic and annual) of the dry particulate filter system and shall maintain the following information:

a. the date of the inspection;
b. a description of each/any problem identified and the date it was corrected;
c. a description of any maintenance and repairs performed; and
d. the name of person who performed the inspection.

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

[Authority for term: OAC rule 3745-17-11(C)(2)(d), OAC rule 3745-17-11(C)(2)(f), and 3745-77-07(C)(1)]

(10) The permittee shall maintain records that document any time periods when the dry particulate filter was not in service when the emissions unit(s) was/were in operation, as

well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(e), OAC rule 3745-17-11(C)(2)(f), OAC rule 3745-17-11(C)(2)(g), and 3745-77-07(C)(1)]

(11) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(12) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

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

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(2) The permittee shall submit quarterly deviation (excursion) reports which identify the following:

a. all days during which the average hourly OC emission rate from coatings and cleanup materials exceeded the limit contained in b)(1), and the actual average OC emission rate for each such day;

b. any daily record showing that the dry particulate filter system was not in service or not operated according to manufacturer's recommendations (with any documented modifications made by the permittee) when the emissions unit(s) was/were in operation;

c. all periods of time during which the permanent total enclosure was not maintained in such a manner as to meet the criteria established for a PTE in Method 204 (40 CFR Part 51), when the emissions unit was in operation;

d. each period of time (start time and date, and end time and date) when the average combustion temperature within the thermal oxidizer was outside of the acceptable range;

e. any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the thermal oxidizer;

f. each incident of deviation described in “d” or ”e” (above) where a prompt investigation was not conducted;

g. each incident of deviation described in “d” or ”e” where prompt corrective action, that would bring the emissions unit(s) into compliance and/or the temperature within the thermal oxidizer into compliance with the acceptable range, was determined to be necessary and was not taken; and

h. each incident of deviation described in “d” or ”e” where proper records were not maintained for the investigation and/or the corrective action(s).

The quarterly deviation (excursion) reports 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), OAC rule 3745-15-03(B)(1)(a), and OAC rule 3745-15-03(C)]

(3) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(4) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

(1) Compliance with the emission limitation(s) in b)(1) of these terms and conditions shall be determined in accordance with the following method(s):

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

OC emissions shall not exceed 0.53 lb/hr and 1.8 TPY.

<u>Applicable Compliance Method:</u>

Compliance with the hourly OC limit shall be determined through daily recordkeeping as specified in d)(1).

Compliance with the annual OC limitation shall be determined by summing the monthly OC emissions required by d)(2).

Formulation data or 40 CFR Part 60, Appendix A, Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

b. <u>Emissions Limitation:</u>

Particulate emissions shall not exceed 0.10 lb/hr and 0.44 TPY.

Applicable Compliance Method:

To determine the actual worst case hourly emission rate for PE, the following equation may be used:

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

where:

E = particulate emission rate (lbs/hr),

M = maximum coating solids usage rate (4.0 lb/hr),

TE = transfer efficiency of coating equipment (ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used - 50%), and

CE = control efficiency of the control equipment (95% for the particulate filtration system).

Note: The values cited for M, TE, and CE are based on manufacturer's data.

If required, the permittee shall demonstrate compliance with the hourly emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

The annual emission limitation was established by multiplying the hourly limitation by 8,760 hours/year and then dividing by 2,000 pounds/ton. Compliance with the annual emission limitation may be assumed as long as compliance with the hourly emission limitation is maintained.

c. Emissions Limitation:

Ninety percent or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.

Applicable Compliance Method:

If required, compliance with this limitation shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 10.

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

(2) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(3) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

(4) 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 after issuance of the permit and within 6 months prior to the permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the requirement to use a permanent total enclosure (PTE) and a thermal incinerator with a minimum destruction and removal efficiency of 95% for OC emissions.

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

i. Methods 1 through 4 from 40 CFR Part 60, Appendix A for velocity traverses, velocity and volumetric flow rates, gas analysis, and moisture content; and

ii. Method 18, Method 25, or Method 25A from 40 CFR Part 60, Appendix A.

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

The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA s Guidelines for Determining Capture Efficiency, dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.)

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 Ohio EPA. 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.

d. 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 appropriate Ohio EPA District Office or local air agency.

e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval

prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

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

g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

h. [Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-15-04(A)]

g) Miscellaneous Requirements

(1) None.

**5. R028, UV Line 4**

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

UV Line 4 spray booth with infrared oven, UV oven and dry filtration venting to thermal incinerator 20-2.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| a. | OAC rule 3745-31-05(A)(3)<br><br>(P0108161) | Organic compound (OC) emissions shall not exceed 0.6 pound per hour (lb/hr), excluding cleanup and 2.5 tons per year (TPY), including cleanup.<br><br>Particulate emissions (PE) shall not exceed 0.32 lb/hr and 1.4 TPY.<br><br>See b)(2)a. |
| b. | OAC rule 3745-21-07(G)(2) | The emissions limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).<br><br>See b)(2)b. |
| c. | OAC rule 3745-21-07(M)(2) | The overall OC emissions reduction requirement specified by this rule is less stringent than the overall OC emissions reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).<br><br>See b)(2)b. |
| d. | OAC rule 3745-21-07 (G)(6) | See b)(2)b. |
| e. | OAC rule 3745-17-11(C) | See c)(1) and c)(2). |
| f. | 40 CFR Part 63, Subpart PPPP (40 CFR 63.4480-4581) | See b)(2)c. |

| | | |
|---|---|---|
| g. | 40 CFR Part 63, Subpart A (40 CFR Part 63.1-16) | See b)(2)d. |

(2) Additional Terms and Conditions

a. Best available technology (BAT) control requirements for this emissions unit have been determined to be the use of a permanent total enclosure (PTE) and a thermal incinerator with a minimum destruction and removal efficiency of 98% for OC emissions. BAT also includes compliance with the terms and conditions of this permit. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the acceptable average combustion temperature within the thermal oxidizer, for any 3-hour block of time when the emissions unit(s) controlled by the thermal oxidizer is/are in operation, shall not be more than 50 degrees Fahrenheit below the average temperature measured during the most recent performance test that demonstrated the emissions unit(s) was/were in compliance.

b. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio.

The emission limitations and control requirements from the amended 21-07 rule, and the associated operational restrictions and the monitoring, record keeping, and reporting requirements contained in this permit, shall become federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan.

The following term is required by OAC rule 3745-21-07(G)(6) and is part of the federally-approved Ohio State Implementation Plan and will remain federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan as identified by OAC rule 3745-21-07(M)(2):

i. Ninety percent or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.

c. The facility is subject to the following applicable emissions limitation(s) identified in 40 CFR Part 63, Subpart PPPP, Section 63.4490(b)(2):

i. For each existing automotive lamp coating affected source, limit organic HAP emissions to no more than 0.45 kg (0.45 lb) per kg (lb) coating solids used during each 12-month compliance period.

d. Table 2 to subpart PPPP of 40 CFR Part 63 - "Applicability of General Provisions (Subpart A) to subpart PPPP of Part 63" identifies which parts of the General Provisions in 40 CFR Part 63.1-16 apply.

c) Operational Restrictions

(1) The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

[Authority for term: OAC rule 3745-17-11(C)(1), OAC rule 3745-17-11(C)(2)(b), and OAC rule 3745-77-07(A)(1)]

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

[Authority for term: OAC rule 3745-17-11(C)(2)(e) and OAC rule 3745-77-07(A)(1)]

(3) The permittee shall comply with the applicable operational restrictions necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(A)(1)]

(4) The permittee shall comply with the applicable operational restrictions necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each day for the coating operation:

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

b. the OC content of each coating, as applied, in pounds per gallon;

c. the number of gallons of each coating employed;

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

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

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

g. the total number of hours the unit is operated;

h. the total uncontrolled OC emission rate from all coating and cleanup materials, in pounds [i.e., sum of d)(1)b. x d)(1)c. of all coatings + sum of d)(1)e. x d)(1)f. of all cleanup materials];

i. the calculated, controlled OC emission rate for all coatings and cleanup materials, in pounds or tons. The controlled OC emission rate shall be 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; and

j. the average hourly controlled OC emissions rate [i.e., d)(1)i. divided by d)(1)g., in pounds per hour (average)].

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

(2) The permittee shall collect and record the total OC emissions for all coatings and clean-up materials, in pounds per month.

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

(3) The permittee shall properly install, operate, and maintain a continuous temperature monitor and recorder that measures and records the combustion temperature within the thermal oxidizer when the emissions unit(s) is/are in operation, including periods of startup and shutdown. 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 monitor and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and the operating manuals, with any modifications deemed necessary by the permittee. 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 thermal oxidizer was/were in operation, during which the average combustion temperature within the thermal oxidizer was more than 50 degrees Fahrenheit below the average temperature measured during the most recent performance test that demonstrated the emissions unit(s) was/were in compliance; and

b. a log (date and total time) of the downtime or bypass of the capture (collection) system and thermal oxidizer, and/or downtime of the monitoring equipment, when the associated emissions unit(s) was/were in operation.

[Authority for term: OAC rule 3745-21-07(G)(1), OAC rule 3745-21-07(G)(6)(a), and OAC rule 3745-21-07(G)(7)]

(4) Whenever the monitored average combustion temperature within the thermal oxidizer deviates from the range or limit established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

a. the date and time the deviation began;

b. the magnitude of the deviation at that time;

c. the date the investigation was conducted;

d. the name(s) of the personnel who conducted the investigation; and

e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range/limit specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

a. a description of the corrective action;

b. the date corrective action was completed;

c. the date and time the deviation ended;

d. the total period of time (in minutes) during which there was a deviation;

e. the temperature readings immediately after the corrective action was implemented; and

f. the name(s) of the personnel who performed the work.

Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The temperature range/limit is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted temperature range/limit based upon information obtained during future performance tests that demonstrate compliance with the allowable emission rate(s) for the controlled pollutant(s). In addition, approved revisions to the temperature range/limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a minor permit modification.

[Authority for term: OAC rule 3745-21-07(G)(1), OAC rule 3745-21-07(G)(6)(a), OAC rule 3745-21-07(G)(7), and OAC rule 3745-77-07(C)(1)]

(5) The permittee shall install, maintain, and operate monitoring devices and a recorder which continuously and simultaneously measure and record the pressure inside and outside the permanent total enclosure surrounding this emissions unit. 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 continuously record the pressure differential between the inside and outside of the permanent total enclosure, when the emissions unit is in operation.

[Authority for term: OAC 3745-17-11(C)(3)]

(6) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[Authority for term: OAC 3745-17-11(C)(2)(a) and OAC rule 3745-77-07(C)(1)]

(7) The permittee shall conduct periodic inspections of the dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(C)(1)]

(8) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.

[Authority for term: OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(C)(1)]

(9) The permittee shall document each inspection (periodic and annual) of the dry particulate filter system and shall maintain the following information:

a. the date of the inspection;
b. a description of each/any problem identified and the date it was corrected;
c. a description of any maintenance and repairs performed; and
d. the name of person who performed the inspection.

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

[Authority for term: OAC rule 3745-17-11(C)(2)(d), OAC rule 3745-17-11(C)(2)(f), and 3745-77-07(C)(1)]

(10) The permittee shall maintain records that document any time periods when the dry particulate filter was not in service when the emissions unit(s) was/were in operation, as

well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(e), OAC rule 3745-17-11(C)(2)(f), OAC rule 3745-17-11(C)(2)(g), and 3745-77-07(C)(1)]

(11) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(12) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

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

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(2) The permittee shall submit quarterly deviation (excursion) reports which identify the following:

a. all days during which the average hourly OC emission rate from coatings and cleanup materials exceeded the limit contained in b)(1), and the actual average OC emission rate for each such day;

b. any daily record showing that the dry particulate filter system was not in service or not operated according to manufacturer's recommendations (with any documented modifications made by the permittee) when the emissions unit(s) was/were in operation;

c. all periods of time during which the permanent total enclosure was not maintained in such a manner as to meet the criteria established for a PTE in Method 204 (40 CFR Part 51), when the emissions unit was in operation;

d. each period of time (start time and date, and end time and date) when the average combustion temperature within the thermal oxidizer was outside of the acceptable range;

e. any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the thermal oxidizer;

f. each incident of deviation described in “d” or ”e” (above) where a prompt investigation was not conducted;

g. each incident of deviation described in “d” or ”e” where prompt corrective action, that would bring the emissions unit(s) into compliance and/or the temperature within the thermal oxidizer into compliance with the acceptable range, was determined to be necessary and was not taken; and

h. each incident of deviation described in “d” or ”e” where proper records were not maintained for the investigation and/or the corrective action(s).

The quarterly deviation (excursion) reports 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), OAC rule 3745-15-03(B)(1)(a), and OAC rule 3745-15-03(C)]

(3) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(4) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

(1) Compliance with the emission limitation(s) in b)(1) of these terms and conditions shall be determined in accordance with the following method(s):

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

OC emissions shall not exceed 0.6 lb/hr and 2.5 TPY.

<u>Applicable Compliance Method:</u>

Compliance with the hourly OC limit shall be determined through daily recordkeeping as specified in d)(1).

Compliance with the annual OC limitation shall be determined by summing the monthly OC emissions required by d)(2).

Formulation data or 40 CFR Part 60, Appendix A, Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

b. <u>Emissions Limitation:</u>

Particulate emissions shall not exceed 0.32 lb/hr and 1.4 TPY.

Applicable Compliance Method:

To determine the actual worst case hourly emission rate for PE, the following equation may be used:

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

where:

E = particulate emission rate (lbs/hr),

M = maximum coating solids usage rate (12.9 lbs/hr),

TE = transfer efficiency of coating equipment (ratio of the amount of coating solids deposited on the coated part to the amount of coating solids used - 50%), and

CE = control efficiency of the control equipment (95% for the particulate filtration system).

Note: The values cited for M, TE, and CE are based on manufacturer's data.

If required, the permittee shall demonstrate compliance with the hourly emission limitation in accordance with 40 CFR Part 60, Appendix A, Methods 1 through 5.

The annual emission limitation was established by multiplying the hourly limitation by 8,760 hours/year and then dividing by 2,000 pounds/ton. Compliance with the annual emission limitation may be assumed as long as compliance with the hourly emission limitation is maintained.

c. Emissions Limitation:

Ninety percent or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.

Applicable Compliance Method:

If required, compliance with this limitation shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 10.

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

(2) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(3) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

(4) 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 after issuance of the permit and within 6 months prior to the permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the requirement to use a permanent total enclosure (PTE) and a thermal incinerator with a minimum destruction and removal efficiency of 98% for OC emissions.

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

i. Methods 1 through 4 from 40 CFR Part 60, Appendix A for velocity traverses, velocity and volumetric flow rates, gas analysis, and moisture content; and

ii. Method 18, Method 25, or Method 25A from 40 CFR Part 60, Appendix A.

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

The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA s Guidelines for Determining Capture Efficiency, dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.)

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 Ohio EPA. 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.

d. 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 appropriate Ohio EPA District Office or local air agency.

e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval

prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

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

g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-15-04(A)]

g) Miscellaneous Requirements

(1) None.

**6. R029, AF 1**

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

Anti Fog Line 1 spray booth with ovens and dry filtration venting to thermal incinerator 20-2.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| a. | OAC rule 3745-31-05(A)(3)<br><br>(P0108161) | Organic compound (OC) emissions shall not exceed 0.42 pound per hour (lb/hr), excluding cleanup and 1.0 ton per year (TPY), including cleanup.<br><br>See b)(2)a. |
| b. | OAC rule 3745-21-07(G)(2) | The emissions limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).<br><br>See b)(2)b. |
| c. | OAC rule 3745-21-07(M)(2) | The overall OC emissions reduction requirement specified by this rule is less stringent than the overall OC emissions reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).<br><br>See b)(2)b. |
| d. | OAC rule 3745-21-07 (G)(6) | See b)(2)b. |
| e. | OAC rule 3745-17-11(C) | See c)(1) and c)(2). |
| f. | 40 CFR Part 63, Subpart PPPP (40 CFR 63.4480-4581) | See b)(2)c. |
| g. | 40 CFR Part 63, Subpart A (40 CFR Part 63.1-16) | See b)(2)d. |

(2) Additional Terms and Conditions

a. Best available technology (BAT) control requirements for this emissions unit have been determined to be the use of a permanent total enclosure (PTE) and a thermal incinerator with a minimum destruction and removal efficiency of 98% for OC emissions. BAT also includes compliance with the terms and conditions of this permit. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the acceptable average combustion temperature within the thermal oxidizer, for any 3-hour block of time when the emissions unit(s) controlled by the thermal oxidizer is/are in operation, shall not be more than 50 degrees Fahrenheit below the average temperature measured during the most recent performance test that demonstrated the emissions unit(s) was/were in compliance.

b. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio.

The emission limitations and control requirements from the amended 21-07 rule, and the associated operational restrictions and the monitoring, record keeping, and reporting requirements contained in this permit, shall become federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan.

The following term is required by OAC rule 3745-21-07(G)(6) and is part of the federally-approved Ohio State Implementation Plan and will remain federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan as identified by OAC rule 3745-21-07(M)(2):

i. Ninety percent or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.

c. The facility is subject to the following applicable emissions limitation(s) identified in 40 CFR Part 63, Subpart PPPP, Section 63.4490(b)(2):

i. For each existing automotive lamp coating affected source, limit organic HAP emissions to no more than 0.45 kg (0.45 lb) per kg (lb) coating solids used during each 12-month compliance period.

d. Table 2 to subpart PPPP of 40 CFR Part 63 - "Applicability of General Provisions (Subpart A) to subpart PPPP of Part 63" identifies which parts of the General Provisions in 40 CFR Part 63.1-16 apply.

c) Operational Restrictions

(1) The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

[Authority for term: OAC rule 3745-17-11(C)(1), OAC rule 3745-17-11(C)(2)(b), and OAC rule 3745-77-07(A)(1)]

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

[Authority for term: OAC rule 3745-17-11(C)(2)(e) and OAC rule 3745-77-07(A)(1)]

(3) The permittee shall comply with the applicable operational restrictions necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(A)(1)]

(4) The permittee shall comply with the applicable operational restrictions necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each day for the coating operation:

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

b. the OC content of each coating, as applied, in pounds per gallon;

c. the number of gallons of each coating employed;

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

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

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

g. the total number of hours the unit is operated;

h. the total uncontrolled OC emission rate from all coating and cleanup materials, in pounds [i.e., sum of d)(1)b. x d)(1)c. of all coatings + sum of d)(1)e. x d)(1)f. of all cleanup materials];

i. the calculated, controlled OC emission rate for all coatings and cleanup materials, in pounds or tons. The controlled OC emission rate shall be 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; and

j. the average hourly controlled OC emissions rate [i.e., d)(1)i. divided by d)(1)g., in pounds per hour (average)].

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

(2) The permittee shall collect and record the total OC emissions for all coatings and clean-up materials, in pounds per month.

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

(3) The permittee shall properly install, operate, and maintain a continuous temperature monitor and recorder that measures and records the combustion temperature within the thermal oxidizer when the emissions unit(s) is/are in operation, including periods of startup and shutdown. 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 monitor and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and the operating manuals, with any modifications deemed necessary by the permittee. 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 thermal oxidizer was/were in operation, during which the average combustion temperature within the thermal oxidizer was more than 50 degrees Fahrenheit below the average temperature measured during the most recent performance test that demonstrated the emissions unit(s) was/were in compliance; and

b. a log (date and total time) of the downtime or bypass of the capture (collection) system and thermal oxidizer, and/or downtime of the monitoring equipment, when the associated emissions unit(s) was/were in operation.

[Authority for term: OAC rule 3745-21-07(G)(1), OAC rule 3745-21-07(G)(6)(a), and OAC rule 3745-21-07(G)(7)]

(4) Whenever the monitored average combustion temperature within the thermal oxidizer deviates from the range or limit established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

a. the date and time the deviation began;

b. the magnitude of the deviation at that time;

c. the date the investigation was conducted;

d. the name(s) of the personnel who conducted the investigation; and

e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range/limit specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

a. a description of the corrective action;

b. the date corrective action was completed;

c. the date and time the deviation ended;

d. the total period of time (in minutes) during which there was a deviation;

e. the temperature readings immediately after the corrective action was implemented; and

f. the name(s) of the personnel who performed the work.

Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The temperature range/limit is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted temperature range/limit based upon information obtained during future performance tests that demonstrate compliance with the allowable emission rate(s) for the controlled pollutant(s). In addition, approved revisions to the temperature range/limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a minor permit modification.

[Authority for term: OAC rule 3745-21-07(G)(1), OAC rule 3745-21-07(G)(6)(a), OAC rule 3745-21-07(G)(7), and OAC rule 3745-77-07(C)(1)]

(5) The permittee shall install, maintain, and operate monitoring devices and a recorder which continuously and simultaneously measure and record the pressure inside and outside the permanent total enclosure surrounding this emissions unit. 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 continuously record the pressure differential between the inside and outside of the permanent total enclosure, when the emissions unit is in operation.

[Authority for term: OAC 3745-17-11(C)(3)]

(6) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[Authority for term: OAC 3745-17-11(C)(2)(a) and OAC rule 3745-77-07(C)(1)]

(7) The permittee shall conduct periodic inspections of the dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(C)(1)]

(8) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.

[Authority for term: OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(C)(1)]

(9) The permittee shall document each inspection (periodic and annual) of the dry particulate filter system and shall maintain the following information:

a. the date of the inspection;

b. a description of each/any problem identified and the date it was corrected;

c. a description of any maintenance and repairs performed; and

d. the name of person who performed the inspection.

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

[Authority for term: OAC rule 3745-17-11(C)(2)(d), OAC rule 3745-17-11(C)(2)(f), and 3745-77-07(C)(1)]

(10) The permittee shall maintain records that document any time periods when the dry particulate filter was not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(e), OAC rule 3745-17-11(C)(2)(f), OAC rule 3745-17-11(C)(2)(g), and 3745-77-07(C)(1)]

(11) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(12) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

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

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(2) The permittee shall submit quarterly deviation (excursion) reports which identify the following:

a. all days during which the average hourly OC emission rate from coatings and cleanup materials exceeded the limit contained in b)(1), and the actual average OC emission rate for each such day;

b. any daily record showing that the dry particulate filter system was not in service or not operated according to manufacturer's recommendations (with any documented modifications made by the permittee) when the emissions unit(s) was/were in operation;

c. all periods of time during which the permanent total enclosure was not maintained in such a manner as to meet the criteria established for a PTE in Method 204 (40 CFR Part 51), when the emissions unit was in operation;

d. each period of time (start time and date, and end time and date) when the average combustion temperature within the thermal oxidizer was outside of the acceptable range;

e. any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the thermal oxidizer;

f. each incident of deviation described in “d” or ”e” (above) where a prompt investigation was not conducted;

g. each incident of deviation described in “d” or ”e” where prompt corrective action, that would bring the emissions unit(s) into compliance and/or the temperature within the thermal oxidizer into compliance with the acceptable range, was determined to be necessary and was not taken; and

h. each incident of deviation described in “d” or ”e” where proper records were not maintained for the investigation and/or the corrective action(s).

The quarterly deviation (excursion) reports 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), OAC rule 3745-15-03(B)(1)(a), and OAC rule 3745-15-03(C)]

(3) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(4) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

(1) Compliance with the emission limitation(s) in b)(1) of these terms and conditions shall be determined in accordance with the following method(s):

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

OC emissions shall not exceed 0.42 lb/hr and 1.0 TPY.

<u>Applicable Compliance Method:</u>

Compliance with the hourly OC limit shall be determined through daily recordkeeping as specified in d)(1).

Compliance with the annual OC limitation shall be determined by summing the monthly OC emissions required by d)(2).

Formulation data or 40 CFR Part 60, Appendix A, Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

b. Emissions Limitation:

Ninety percent or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.

Applicable Compliance Method:

If required, compliance with this limitation shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 10.

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

(2) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(3) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

(4) 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 after issuance of the permit and within 6 months prior to the permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the requirement to use a permanent total enclosure (PTE) and a thermal incinerator with a minimum destruction and removal efficiency of 98% for OC emissions.

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

i. Methods 1 through 4 from 40 CFR Part 60, Appendix A for velocity traverses, velocity and volumetric flow rates, gas analysis, and moisture content; and

ii. Method 18, Method 25, or Method 25A from 40 CFR Part 60, Appendix A.

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

The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA s Guidelines for Determining Capture Efficiency, dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may

approve the use of the alternative if such approval does not contravene any other applicable requirement.)

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 Ohio EPA. 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.

d. 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 appropriate Ohio EPA District Office or local air agency.

e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

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

g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-15-04(A)]

g) Miscellaneous Requirements

(1) None.

**7. R030, AF 2**

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

Anti Fog Line 2 spray booth with ovens and dry filtration venting to thermal incinerator 20-2.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| a. | OAC rule 3745-31-05(A)(3)<br><br>(P0108161) | Organic compound (OC) emissions shall not exceed 0.42 pound per hour (lb/hr), excluding cleanup and 1.0 ton per year (TPY), including cleanup.<br><br>See b)(2)a. |
| b. | OAC rule 3745-21-07(G)(2) | The emissions limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).<br><br>See b)(2)b. |
| c. | OAC rule 3745-21-07(M)(2) | The overall OC emissions reduction requirement specified by this rule is less stringent than the overall OC emissions reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).<br><br>See b)(2)b. |
| d. | OAC rule 3745-21-07 (G)(6) | See b)(2)b. |
| e. | OAC rule 3745-17-11(C) | See c)(1) and c)(2). |
| f. | 40 CFR Part 63, Subpart PPPP (40 CFR 63.4480-4581) | See b)(2)c. |
| g. | 40 CFR Part 63, Subpart A (40 CFR Part 63.1-16) | See b)(2)d. |

(2) Additional Terms and Conditions

a. Best available technology (BAT) control requirements for this emissions unit have been determined to be the use of a permanent total enclosure (PTE) and a thermal incinerator with a minimum destruction and removal efficiency of 98% for OC emissions. BAT also includes compliance with the terms and conditions of this permit. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the acceptable average combustion temperature within the thermal oxidizer, for any 3-hour block of time when the emissions unit(s) controlled by the thermal oxidizer is/are in operation, shall not be more than 50 degrees Fahrenheit below the average temperature measured during the most recent performance test that demonstrated the emissions unit(s) was/were in compliance.

b. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio.

The emission limitations and control requirements from the amended 21-07 rule, and the associated operational restrictions and the monitoring, record keeping, and reporting requirements contained in this permit, shall become federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan.

The following term is required by OAC rule 3745-21-07(G)(6) and is part of the federally-approved Ohio State Implementation Plan and will remain federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan as identified by OAC rule 3745-21-07(M)(2):

i. Ninety percent or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.

c. The facility is subject to the following applicable emissions limitation(s) identified in 40 CFR Part 63, Subpart PPPP, Section 63.4490(b)(2):

i. For each existing automotive lamp coating affected source, limit organic HAP emissions to no more than 0.45 kg (0.45 lb) per kg (lb) coating solids used during each 12-month compliance period.

d. Table 2 to subpart PPPP of 40 CFR Part 63 - "Applicability of General Provisions (Subpart A) to subpart PPPP of Part 63" identifies which parts of the General Provisions in 40 CFR Part 63.1-16 apply.

c) Operational Restrictions

(1) The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

[Authority for term: OAC rule 3745-17-11(C)(1), OAC rule 3745-17-11(C)(2)(b), and OAC rule 3745-77-07(A)(1)]

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

[Authority for term: OAC rule 3745-17-11(C)(2)(e) and OAC rule 3745-77-07(A)(1)]

(3) The permittee shall comply with the applicable operational restrictions necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(A)(1)]

(4) The permittee shall comply with the applicable operational restrictions necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each day for the coating operation:

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

b. the OC content of each coating, as applied, in pounds per gallon;

c. the number of gallons of each coating employed;

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

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

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

g. the total number of hours the unit is operated;

h. the total uncontrolled OC emission rate from all coating and cleanup materials, in pounds [i.e., sum of d)(1)b. x d)(1)c. of all coatings + sum of d)(1)e. x d)(1)f. of all cleanup materials];

i. the calculated, controlled OC emission rate for all coatings and cleanup materials, in pounds or tons. The controlled OC emission rate shall be 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; and

j. the average hourly controlled OC emissions rate [i.e., d)(1)i. divided by d)(1)g., in pounds per hour (average)].

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

(2) The permittee shall collect and record the total OC emissions for all coatings and clean-up materials, in pounds per month.

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

(3) The permittee shall properly install, operate, and maintain a continuous temperature monitor and recorder that measures and records the combustion temperature within the thermal oxidizer when the emissions unit(s) is/are in operation, including periods of startup and shutdown. 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 monitor and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and the operating manuals, with any modifications deemed necessary by the permittee. 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 thermal oxidizer was/were in operation, during which the average combustion temperature within the thermal oxidizer was more than 50 degrees Fahrenheit below the average temperature measured during the most recent performance test that demonstrated the emissions unit(s) was/were in compliance; and

b. a log (date and total time) of the downtime or bypass of the capture (collection) system and thermal oxidizer, and/or downtime of the monitoring equipment, when the associated emissions unit(s) was/were in operation.

[Authority for term: OAC rule 3745-21-07(G)(1), OAC rule 3745-21-07(G)(6)(a), and OAC rule 3745-21-07(G)(7)]

(4) Whenever the monitored average combustion temperature within the thermal oxidizer deviates from the range or limit established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

a. the date and time the deviation began;

b. the magnitude of the deviation at that time;

c. the date the investigation was conducted;

d. the name(s) of the personnel who conducted the investigation; and

e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range/limit specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

a. a description of the corrective action;

b. the date corrective action was completed;

c. the date and time the deviation ended;

d. the total period of time (in minutes) during which there was a deviation;

e. the temperature readings immediately after the corrective action was implemented; and

f. the name(s) of the personnel who performed the work.

Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The temperature range/limit is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted temperature range/limit based upon information obtained during future performance tests that demonstrate compliance with the allowable emission rate(s) for the controlled pollutant(s). In addition, approved revisions to the temperature range/limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a minor permit modification.

[Authority for term: OAC rule 3745-21-07(G)(1), OAC rule 3745-21-07(G)(6)(a), OAC rule 3745-21-07(G)(7), and OAC rule 3745-77-07(C)(1)]

(5) The permittee shall install, maintain, and operate monitoring devices and a recorder which continuously and simultaneously measure and record the pressure inside and outside the permanent total enclosure surrounding this emissions unit. 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 continuously record the pressure differential between the inside and outside of the permanent total enclosure, when the emissions unit is in operation.

[Authority for term: OAC 3745-17-11(C)(3)]

(6) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[Authority for term: OAC 3745-17-11(C)(2)(a) and OAC rule 3745-77-07(C)(1)]

(7) The permittee shall conduct periodic inspections of the dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(C)(1)]

(8) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.

[Authority for term: OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(C)(1)]

(9) The permittee shall document each inspection (periodic and annual) of the dry particulate filter system and shall maintain the following information:

a. the date of the inspection;

b. a description of each/any problem identified and the date it was corrected;

c. a description of any maintenance and repairs performed; and

d. the name of person who performed the inspection.

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

[Authority for term: OAC rule 3745-17-11(C)(2)(d), OAC rule 3745-17-11(C)(2)(f), and 3745-77-07(C)(1)]

(10) The permittee shall maintain records that document any time periods when the dry particulate filter was not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(e), OAC rule 3745-17-11(C)(2)(f), OAC rule 3745-17-11(C)(2)(g), and 3745-77-07(C)(1)]

(11) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(12) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

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

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(2) The permittee shall submit quarterly deviation (excursion) reports which identify the following:

a. all days during which the average hourly OC emission rate from coatings and cleanup materials exceeded the limit contained in b)(1), and the actual average OC emission rate for each such day;

b. any daily record showing that the dry particulate filter system was not in service or not operated according to manufacturer's recommendations (with any documented modifications made by the permittee) when the emissions unit(s) was/were in operation;

c. all periods of time during which the permanent total enclosure was not maintained in such a manner as to meet the criteria established for a PTE in Method 204 (40 CFR Part 51), when the emissions unit was in operation;

d. each period of time (start time and date, and end time and date) when the average combustion temperature within the thermal oxidizer was outside of the acceptable range;

e. any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the thermal oxidizer;

f. each incident of deviation described in “d” or ”e” (above) where a prompt investigation was not conducted;

g. each incident of deviation described in “d” or ”e” where prompt corrective action, that would bring the emissions unit(s) into compliance and/or the temperature within the thermal oxidizer into compliance with the acceptable range, was determined to be necessary and was not taken; and

h. each incident of deviation described in “d” or ”e” where proper records were not maintained for the investigation and/or the corrective action(s).

The quarterly deviation (excursion) reports 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), OAC rule 3745-15-03(B)(1)(a), and OAC rule 3745-15-03(C)]

(3) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(4) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

(1) Compliance with the emission limitation(s) in b)(1) of these terms and conditions shall be determined in accordance with the following method(s):

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

OC emissions shall not exceed 0.42 lb/hr and 1.0 TPY.

<u>Applicable Compliance Method:</u>

Compliance with the hourly OC limit shall be determined through daily recordkeeping as specified in d)(1).

Compliance with the annual OC limitation shall be determined by summing the monthly OC emissions required by d)(2).

Formulation data or 40 CFR Part 60, Appendix A, Method 24 shall be used to determine the OC contents of the coatings and cleanup materials.

b. Emissions Limitation:

Ninety percent or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.

Applicable Compliance Method:

If required, compliance with this limitation shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 10.

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

(2) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(3) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

(4) 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 after issuance of the permit and within 6 months prior to the permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the requirement to use a permanent total enclosure (PTE) and a thermal incinerator with a minimum destruction and removal efficiency of 98% for OC emissions.

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

i. Methods 1 through 4 from 40 CFR Part 60, Appendix A for velocity traverses, velocity and volumetric flow rates, gas analysis, and moisture content; and

ii. Method 18, Method 25, or Method 25A from 40 CFR Part 60, Appendix A.

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

The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA s Guidelines for Determining Capture Efficiency, dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may

approve the use of the alternative if such approval does not contravene any other applicable requirement.)

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 Ohio EPA. 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.

d. 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 appropriate Ohio EPA District Office or local air agency.

e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

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

g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-15-04(A)]

g) Miscellaneous Requirements

(1) None.

**8. R041, HC/AF**

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

Combined Antifog and Hardcoat Line spray booth with ovens and dry filtration venting to thermal incinerator 20-4.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| a. | OAC rule 3745-31-05(A)(3), as effective 11/30/01 | Organic compound (OC) emissions shall not exceed 1.46 pounds per hour (lbs/hr), excluding cleanup materials.<br><br>See b)(2)a. and b)(2)b. |
| b. | OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06<br><br>(P0108161) | See b)(2)c. |
| c. | OAC rule 3745-31-05(D)<br>(synthetic minor to avoid PSD) | OC emissions shall not exceed 6.24 tons per rolling, 12-month period.<br><br>See b)(2)d., c)(3), and c)(4). |
| d. | OAC rule 3745-21-07(G)(2) | The emissions limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).<br><br>See b)(2)e. |
| e. | OAC rule 3745-21-07(M)(2) | The overall OC emissions reduction requirement specified by this rule is less stringent than the overall OC emissions reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).<br><br>See b)(2)e. |
| f. | OAC rule 3745-21-06(G)(6) | See b)(2)e. |

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| g. | OAC rule 3745-17-11(C) | See c)(1) and c)(2). |
| h. | 40 CFR Part 63, Subpart PPPP (40 CFR 63.4480-4581) | See b)(2)f. |
| i. | 40 CFR Part 63, Subpart A (40 CFR Part 63.1-16) | See b)(2)g. |

(2) Additional Terms and Conditions

a. The permittee has satisfied the BAT requirements pursuant to OAC rule 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (Senate Bill 265 changes), such that BAT is no longer required by State regulations for emissions units that have the potential to emit less than ten tons per year for pollutants to which National Ambient Air Quality Standards (NAAQS) apply. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Until the SIP revision occurs and U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. When U.S. EPA approves the December 1, 2006, version of OAC rule 3745-31-05, these emissions limitations/control measures will no longer apply.

b. The hourly OC limitation was established to reflect the potential to emit for this emissions unit, as vented to a thermal oxidizer. The monitoring, recordkeeping and testing requirements that ensure OC emissions from this emissions unit are captured and directed to the thermal oxidizer are sufficient to ensure compliance with this limitation.

c. The following rule paragraphs will apply when U.S. EPA approves the December 1, 2006, version of OAC rule 3745-31-05 as part of the SIP:

i. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the OC emissions from this air contaminant source because the calculated annual emission rate for OC is less than ten tons per year taking into account the federally enforceable rule limit of 6.24 tons per of OC per rolling, 12-month period established under OAC rule 3745-31-05(D).

ii. The BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the PE for this emissions unit because the uncontrolled potential to emit for PE is less than ten tons per year.

d. The permittee shall control the OC emissions from this emissions unit through the use of a permanent total enclosure (PTE) and a thermal oxidizer with a minimum overall control efficiency of 95%. The PTE shall be maintained under negative pressure, at a minimum differential pressure that is not less than 0.007

inches of water, as averaged on an hourly basis, whenever the emissions unit is in operation.

e. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio.

The emission limitations and control requirements from the amended 21-07 rule, and the associated operational restrictions and the monitoring, record keeping, and reporting requirements contained in this permit, shall become federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan.

The following term is required by OAC rule 3745-21-07(G)(6) and is part of the federally-approved Ohio State Implementation Plan and will remain federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan as identified by OAC rule 3745-21-07(M)(2):

i. Ninety percent or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.

f. The facility is subject to the following applicable emissions limitation(s) identified in 40 CFR Part 63, Subpart PPPP, Section 63.4490(b)(2):

i. For each existing automotive lamp coating affected source, limit organic HAP emissions to no more than 0.45 kg (0.45 lb) per kg (lb) coating solids used during each 12-month compliance period.

g. Table 2 to subpart PPPP of 40 CFR Part 63 - "Applicability of General Provisions (Subpart A) to subpart PPPP of Part 63" identifies which parts of the General Provisions in 40 CFR Part 63.1-16 apply.

c) Operational Restrictions

(1) The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

[Authority for term: OAC rule 3745-17-11(C)(1), OAC rule 3745-17-11(C)(2)(b), and OAC rule 3745-77-07(A)(1)]

(2) In the event the particulate filter system is not operating in accordance with the manufacturer's recommendations, instructions, or operating manual, with any

modifications deemed necessary by the permittee, the control device shall be expeditiously repaired or otherwise returned to these documented operating conditions.

[Authority for term: OAC rule 3745-17-11(C)(2)(e) and OAC rule 3745-77-07(A)(1)]

(3) The maximum annual coating usage for this emissions unit shall not exceed 12,012 gallons of Antifog coating (maximum OC content of 6.7 lb/gal), and 21,705 gallons of Hardcoat coating (maximum OC content of 6.5 lb/gal), based upon a rolling, 12-month summation of the coating usage figures.

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

(4) The maximum annual usage for this emissions unit shall not exceed 3,600 gallons of cleanup material (maximum OC content of 7.72 lb/gal), based upon a rolling, 12-month summation of the cleanup material usage figures.

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

(5) The permittee shall comply with the applicable operational restrictions necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(A)(1)]

(6) The permittee shall comply with the applicable operational restrictions necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each month for the coating operation:

a. the company identification for each coating and cleanup material employed;

b. the number of gallons of each coating and each cleanup material employed;

c. the total gallons of all coatings and total gallons of all cleanup materials employed;

d. the OC content of each coating and cleanup material, in pounds per gallon;

e. if a credit to emissions from recovered materials is to be used in emission calculations, the number of gallons of each material reclaimed for off-site recycle, recovery, and/or disposal from the emissions unit;

f. the total OC emission rate for all coatings and cleanup materials, in pounds per month for the emissions unit. The controlled OC emission rate shall be 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;

g. the rolling, 12-month summation of each coating employed (less any coating material sent off-site for recycle, recovery, and/or disposal), in gallons;

h. the rolling, 12-month summation of the cleanup material usage (less any cleanup material sent off-site for recycle, recovery, and/or disposal) in gallons; and

i. the rolling, 12-month summation of OC emissions from coating and cleanup usage, in pounds or tons.

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

(2) The permittee shall properly install, operate, and maintain a continuous temperature monitor and recorder that measures and records the combustion temperature within the thermal oxidizer when the emissions unit(s) is/are in operation, including periods of startup and shutdown. 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 monitor and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and the operating manuals, with any modifications deemed necessary by the permittee. 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 thermal oxidizer was/were in operation, during which the average combustion temperature within the thermal oxidizer was more than 50 degrees Fahrenheit below the average temperature measured during the most recent performance test that demonstrated the emissions unit(s) was/were in compliance; and

b. a log (date and total time) of the downtime or bypass of the capture (collection) system and thermal oxidizer, and/or downtime of the monitoring equipment, when the associated emissions unit(s) was/were in operation.

[Authority for term: OAC rule 3745-21-07(G)(1), OAC rule 3745-21-07(G)(6)(a), and OAC rule 3745-21-07(G)(7)]

(3) Whenever the monitored average combustion temperature within the thermal oxidizer deviates from the range or limit established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

a. the date and time the deviation began;

b. the magnitude of the deviation at that time;

c. the date the investigation was conducted;

d. the name(s) of the personnel who conducted the investigation; and

e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range/limit specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

a. a description of the corrective action;

b. the date corrective action was completed;

c. the date and time the deviation ended;

d. the total period of time (in minutes) during which there was a deviation;

e. the temperature readings immediately after the corrective action was implemented; and

f. the name(s) of the personnel who performed the work.

Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The temperature range/limit is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted temperature range/limit based upon information obtained during future performance tests that demonstrate compliance with the allowable emission rate(s) for the controlled pollutant(s). In addition, approved revisions to the temperature range/limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a minor permit modification.

[Authority for term: OAC rule 3745-21-07(G)(1), OAC rule 3745-21-07(G)(6)(a), OAC rule 3745-21-07(G)(7), and OAC rule 3745-77-07(C)(1)]

(4) The permittee shall install, maintain, and operate monitoring devices and a recorder which continuously and simultaneously measure and record the pressure inside and outside the permanent total enclosure surrounding this emissions unit. 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 continuously record the pressure differential between the inside and outside of the permanent total enclosure, when the emissions unit is in operation.

[Authority for term: OAC 3745-17-11(C)(3)]

(5) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be

maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[Authority for term: OAC 3745-17-11(C)(2)(a) and OAC rule 3745-77-07(C)(1)]

(6) The permittee shall conduct periodic inspections of the dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(C)(1)]

(7) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.

[Authority for term: OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(C)(1)]

(8) The permittee shall document each inspection (periodic and annual) of the dry particulate filter system and shall maintain the following information:

a. the date of the inspection;
b. a description of each/any problem identified and the date it was corrected;
c. a description of any maintenance and repairs performed; and
d. the name of person who performed the inspection.

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

[Authority for term: OAC rule 3745-17-11(C)(2)(d), OAC rule 3745-17-11(C)(2)(f), and 3745-77-07(C)(1)]

(9) The permittee shall maintain records that document any time periods when the dry particulate filter was not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(e), OAC rule 3745-17-11(C)(2)(f), OAC rule 3745-17-11(C)(2)(g), and 3745-77-07(C)(1)]

(10) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(11) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

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

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(2) The permittee shall submit quarterly deviation (excursion) reports which identify the following:

a. all exceedances of the rolling, 12-month coating usage limitation;

b. all exceedances of the rolling, 12-month cleanup material usage limitation;

c. all exceedances of the rolling, 12-month OC emission limitation of 6.24 tons;

d. all periods of time during which the permanent total enclosure was not maintained in such a manner as to meet the criteria established for a PTE in Method 204 (40 CFR Part 51), when the emissions unit was in operation;

e. any daily record showing that the dry particulate filter system was not in service or not operated according to manufacturer's recommendations (with any documented modifications made by the permittee) when the emissions unit(s) was/were in operation;

f. each period of time (start time and date, and end time and date) when the average combustion temperature within the thermal oxidizer was outside of the acceptable range;

g. any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the thermal oxidizer;

h. each incident of deviation described in “f” or ”g” (above) where a prompt investigation was not conducted;

i. each incident of deviation described in “f” or ”g” where prompt corrective action, that would bring the emissions unit(s) into compliance and/or the temperature

within the thermal oxidizer into compliance with the acceptable range, was determined to be necessary and was not taken; and

j. each incident of deviation described in "f" or "g" where proper records were not maintained for the investigation and/or the corrective action(s).

The quarterly deviation (excursion) reports 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), OAC rule 3745-15-03(B)(1)(a), and OAC rule 3745-15-03(C)]

(3) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(4) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

(1) Compliance with the emission limitation(s) in b)(1) of these terms and conditions shall be determined in accordance with the following method(s):

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

OC emissions shall not exceed 1.46 lbs/hr.

<u>Applicable Compliance Method:</u>

Compliance with this emissions limitation was determined according to the following equation:

$E = [(G_H * OC_H) + (G_A * OC_A)] * (1-CE)$

where,

E = Maximum OC emissions rate (lbs/hr)

$G_H$ = Maximum hourly application rate of Hardcoat coating, in gallons (3.01)

$OC_H$ = Maximum organic compound content of Hardcoat coating, in lbs OC per gallon (6.5)

$G_A$ = Maximum hourly application rate of Antifog coating, in gallons (1.43)

$OC_A$ = Maximum organic compound content of Antifog coating, in lbs OC per gallon (6.7)

CE = Minimum OC control efficiency required for the thermal oxidizer (95%)

b. Emissions Limitation:

OC emissions shall not exceed 6.24 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance with this emission limitation may be determined through the record keeping required by d)(1).

c. Emissions Limitations:

Ninety percent or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.

Applicable Compliance Method:

If required, compliance with this limitation shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 10.

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

(2) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(3) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

(4) 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 after issuance of the permit and within 6 months prior to the permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the requirement to use a permanent total enclosure (PTE) and a thermal incinerator with a minimum destruction and removal efficiency of 95% for OC emissions.

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

i. Methods 1 through 4 from 40 CFR Part 60, Appendix A for velocity traverses, velocity and volumetric flow rates, gas analysis, and moisture content; and

ii. Method 18, Method 25, or Method 25A from 40 CFR Part 60, Appendix A.

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

The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA s Guidelines for Determining Capture Efficiency, dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.)

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 Ohio EPA. 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.

d. 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 appropriate Ohio EPA District Office or local air agency.

e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

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

g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-15-04(A)]

g) Miscellaneous Requirements

(1) None.

**9. R042, UV Line 5**

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

UV Line 5 spray booth with ovens and dry filtration venting to thermal incinerator 20-4.

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| a. | OAC rule 3745-31-05(A)(3), as effective 11/30/01 | Organic compound (OC) emissions shall not exceed 1.91 pounds per hour (lbs/hr), excluding cleanup materials.<br><br>See b)(2)a. and b)(2)b. |
| b. | OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06 | See b)(2)c. |
| c. | OAC rule 3745-31-05(D) (synthetic minor to avoid PSD) | OC emissions shall not exceed 8.90 tons per rolling, 12-month period.<br><br>See b)(2)d., c)(3), c)(4), and c)(5) |
| d. | OAC rule 3745-21-07(G)(2) | The emissions limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).<br><br>See b)(2)e. |
| e. | OAC rule 3745-21-07(M)(2) | The overall OC emissions reduction requirement specified by this rule is less stringent than the overall OC emissions reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).<br><br>See b)(2)e. |
| f. | OAC rule 3745-21-06(G)(6) | See b)(2)e. |
| g. | OAC rule 3745-17-11(C) | See c)(1) and c)(2). |
| h. | 40 CFR Part 63, Subpart PPPP (40 CFR 63.4480-4581) | See b)(2)f. |

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| i. | 40 CFR Part 63, Subpart A (40 CFR Part 63.1-16) | See b)(2)g. |

(2) Additional Terms and Conditions

a. The permittee has satisfied the BAT requirements pursuant to OAC rule 3745-31-05(A)(3), as effective November 30, 2001, in this permit. On December 1, 2006, paragraph (A)(3) of OAC rule 3745-31-05 was revised to conform to ORC changes effective August 3, 2006 (Senate Bill 265 changes), such that BAT is no longer required by State regulations for emissions units that have the potential to emit less than ten tons per year for pollutants to which National Ambient Air Quality Standards (NAAQS) apply. However, that rule revision has not yet been approved by U.S. EPA as a revision to Ohio's State Implementation Plan (SIP). Until the SIP revision occurs and U.S. EPA approves the revisions to OAC rule 3745-31-05, the requirement to satisfy BAT still exists as part of the federally-approved SIP for Ohio. When U.S. EPA approves the December 1, 2006, version of OAC rule 3745-31-05, these emissions limitations/control measures will no longer apply.

b. The hourly OC limitation was established to reflect the potential to emit for this emissions unit, as vented to a thermal oxidizer. The monitoring, recordkeeping and testing requirements that ensure OC emissions from this emissions unit are captured and directed to the thermal oxidizer are sufficient to ensure compliance with this limitation.

c. The following rule paragraphs will apply when U.S. EPA approves the December 1, 2006, version of OAC rule 3745-31-05 as part of the SIP:

i. The Best Available Technology (BAT) requirements under OAC rule 3745-31-05(A)(3) do not apply to the OC emissions from this air contaminant source because the calculated annual emission rate for OC is less than ten tons per year taking into account the federally enforceable rule limit of 6.24 tons per of OC per rolling, 12-month period established under OAC rule 3745-31-05(D).

ii. The BAT requirements under OAC rule 3745-31-05(A)(3) do not apply to the PE for this emissions unit because the uncontrolled potential to emit for PE is less than ten tons per year.

d. The permittee shall control the OC emissions from this emissions unit through the use of a permanent total enclosure (PTE) and a thermal oxidizer with a minimum overall control efficiency of 95%. The PTE shall be maintained under negative pressure, at a minimum differential pressure that is not less than 0.007 inches of water, as averaged on an hourly basis, whenever the emissions unit is in operation.

e. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio.

The emission limitations and control requirements from the amended 21-07 rule, and the associated operational restrictions and the monitoring, record keeping, and reporting requirements contained in this permit, shall become federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan.

The following term is required by OAC rule 3745-21-07(G)(6) and is part of the federally-approved Ohio State Implementation Plan and will remain federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan as identified by OAC rule 3745-21-07(M)(2):

i. Ninety percent or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.

f. The facility is subject to the following applicable emissions limitation(s) identified in 40 CFR Part 63, Subpart PPPP, Section 63.4490(b)(2):

i. For each existing automotive lamp coating affected source, limit organic HAP emissions to no more than 0.45 kg (0.45 lb) per kg (lb) coating solids used during each 12-month compliance period.

g. Table 2 to subpart PPPP of 40 CFR Part 63 - "Applicability of General Provisions (Subpart A) to subpart PPPP of Part 63" identifies which parts of the General Provisions in 40 CFR Part 63.1-16 apply.

c) Operational Restrictions

(1) The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

[Authority for term: OAC rule 3745-17-11(C)(1), OAC rule 3745-17-11(C)(2)(b), and OAC rule 3745-77-07(A)(1)]

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

[Authority for term: OAC rule 3745-17-11(C)(2)(e) and OAC rule 3745-77-07(A)(1)]

(3) The maximum annual coating usage for this emissions unit shall not exceed 68,400 gallons of UV Basecoat coating (maximum OC content of 4.9 lbs/gal), based upon a rolling, 12-month summation of the coating usage figures.

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

(4) The maximum annual cleanup material usage for this emissions unit shall not exceed 3,119 gallons of Methyl Isobutyl Ketone(MIBK) (maximum OC content of 6.68 lbs/gal), based upon a rolling, 12-month summation of the cleanup usage figures.

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

(5) The permittee shall comply with the applicable operational restrictions necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(A)(1)]

(6) The permittee shall comply with the applicable operational restrictions necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each month for the coating operation:

a. the company identification for each coating and cleanup material employed;

b. the number of gallons of each coating and each cleanup material employed;

c. the total gallons of all coatings and total gallons of all cleanup materials employed;

d. the OC content of each coating and cleanup material, in pounds per gallon;

e. if a credit to emissions from recovered materials is to be used in emission calculations, the number of gallons of each material reclaimed for off-site recycle, recovery, and/or disposal from the emissions unit;

f. the total OC emission rate for all coatings and cleanup materials, in pounds per month for the emissions unit. The controlled OC emission rate shall be 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;

g. the rolling, 12-month summation of each coating employed (less any coating material sent off-site for recycle, recovery, and/or disposal), in gallons;

h. the rolling, 12-month summation of the cleanup material usage (less any cleanup material sent off-site for recycle, recovery, and/or disposal) in gallons; and

i. the rolling, 12-month summation of OC emissions from coating and cleanup usage, in pounds or tons.

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

(2) The permittee shall properly install, operate, and maintain a continuous temperature monitor and recorder that measures and records the combustion temperature within the thermal oxidizer when the emissions unit(s) is/are in operation, including periods of startup and shutdown. 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 monitor and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and the operating manuals, with any modifications deemed necessary by the permittee. 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 thermal oxidizer was/were in operation, during which the average combustion temperature within the thermal oxidizer was more than 50 degrees Fahrenheit below the average temperature measured during the most recent performance test that demonstrated the emissions unit(s) was/were in compliance; and

b. a log (date and total time) of the downtime or bypass of the capture (collection) system and thermal oxidizer, and/or downtime of the monitoring equipment, when the associated emissions unit(s) was/were in operation.

[Authority for term: OAC rule 3745-21-07(G)(1), OAC rule 3745-21-07(G)(6)(a), and OAC rule 3745-21-07(G)(7)]

(3) Whenever the monitored average combustion temperature within the thermal oxidizer deviates from the range or limit established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

a. the date and time the deviation began;

b. the magnitude of the deviation at that time;

c. the date the investigation was conducted;

d. the name(s) of the personnel who conducted the investigation; and

e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range/limit specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that

determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

a. a description of the corrective action;

b. the date corrective action was completed;

c. the date and time the deviation ended;

d. the total period of time (in minutes) during which there was a deviation;

e. the temperature readings immediately after the corrective action was implemented; and

f. the name(s) of the personnel who performed the work.

Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The temperature range/limit is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted temperature range/limit based upon information obtained during future performance tests that demonstrate compliance with the allowable emission rate(s) for the controlled pollutant(s). In addition, approved revisions to the temperature range/limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a minor permit modification.

[Authority for term: OAC rule 3745-21-07(G)(1), OAC rule 3745-21-07(G)(6)(a), OAC rule 3745-21-07(G)(7), and OAC rule 3745-77-07(C)(1)]

[Authority for term: OAC rule 3745-21-07(G)(1), OAC rule 3745-21-07(G)(6)(a), and OAC rule 3745-21-07(G)(7)]

(4) The permittee shall install, maintain, and operate monitoring devices and a recorder which continuously and simultaneously measure and record the pressure inside and outside the permanent total enclosure surrounding this emissions unit. 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 continuously record the pressure differential between the inside and outside of the permanent total enclosure, when the emissions unit is in operation.

[Authority for term: OAC 3745-17-11(C)(3)]

(5) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be

maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[Authority for term: OAC 3745-17-11(C)(2)(a) and OAC rule 3745-77-07(C)(1)]

(6) The permittee shall conduct periodic inspections of the dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(C)(1)]

(7) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.

[Authority for term: OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(C)(1)]

(8) The permittee shall document each inspection (periodic and annual) of the dry particulate filter system and shall maintain the following information:

a. the date of the inspection;
b. a description of each/any problem identified and the date it was corrected;
c. a description of any maintenance and repairs performed; and
d. the name of person who performed the inspection.

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

[Authority for term: OAC rule 3745-17-11(C)(2)(d), OAC rule 3745-17-11(C)(2)(f), and 3745-77-07(C)(1)]

(9) The permittee shall maintain records that document any time periods when the dry particulate filter was not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(e), OAC rule 3745-17-11(C)(2)(f), OAC rule 3745-17-11(C)(2)(g), and 3745-77-07(C)(1)]

(10) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(11) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

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

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(2) The permittee shall submit quarterly deviation (excursion) reports which identify the following:

a. all exceedances of the rolling, 12-month coating usage limitation;

b. all exceedances of the rolling, 12-month cleanup material usage limitation;

c. all exceedances of the rolling, 12-month OC emission limitation of 8.90 tons;

d. all periods of time during which the permanent total enclosure was not maintained in such a manner as to meet the criteria established for a PTE in Method 204 (40 CFR Part 51), when the emissions unit was in operation;

e. any daily record showing that the dry particulate filter system was not in service or not operated according to manufacturer's recommendations (with any documented modifications made by the permittee) when the emissions unit(s) was/were in operation;

f. each period of time (start time and date, and end time and date) when the average combustion temperature within the thermal oxidizer was outside of the acceptable range;

g. any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the thermal oxidizer;

h. each incident of deviation described in “g” or ”h” (above) where a prompt investigation was not conducted;

i. each incident of deviation described in “g” or ”h” where prompt corrective action, that would bring the emissions unit(s) into compliance and/or the temperature

within the thermal oxidizer into compliance with the acceptable range, was determined to be necessary and was not taken; and

j. each incident of deviation described in “g” or ”h” where proper records were not maintained for the investigation and/or the corrective action(s).

The quarterly deviation (excursion) reports 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), OAC rule 3745-15-03(B)(1)(a), and OAC rule 3745-15-03(C)]

(3) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(4) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

(1) Compliance with the emission limitation(s) in b)(1) of these terms and conditions shall be determined in accordance with the following method(s):

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

OC emissions shall not exceed 1.91 lbs/hr, excluding cleanup materials.

<u>Applicable Compliance Method:</u>

Compliance with this emissions limitation was determined according to the following equation:

$E = (G_B * OC_B) * (1-CE)$

where,

E = Maximum OC emissions rate (lbs/hr)

$G_B$ = Maximum hourly application rate of UV Basecoat coating, in gallons (7.79)

$OC_B$ = Maximum organic compound content of UV Basecoat coating, in lbs OC per gallon (4.9)

CE = Minimum OC control efficiency required for the thermal oxidizer (95%)

b. <u>Emissions Limitation:</u>

OC emissions shall not exceed 8.90 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance with this emission limitation may be determined through the record keeping required by d)(1).

c. Emissions Limitations:

Ninety percent or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.

Applicable Compliance Method:

If required, compliance with this limitation shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 10.

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

(2) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(3) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

(4) 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 after issuance of the permit and within 6 months prior to the permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the requirement to use a permanent total enclosure (PTE) and a thermal incinerator with a minimum destruction and removal efficiency of 95% for OC emissions.

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

i. Methods 1 through 4 from 40 CFR Part 60, Appendix A for velocity traverses, velocity and volumetric flow rates, gas analysis, and moisture content; and

ii. Method 18, Method 25, or Method 25A from 40 CFR Part 60, Appendix A.

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

The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an

alternative method or procedure for the determination of capture efficiency in accordance with the USEPA s Guidelines for Determining Capture Efficiency, dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.)

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 Ohio EPA. 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.

d. 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 appropriate Ohio EPA District Office or local air agency.

e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

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

g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-15-04(A)]

g) Miscellaneous Requirements

(1) None.

## 10. Emissions Unit Group -Mold Machines #1,10,4,5,36,41&47: R032, R033, R036, R037, R038, R039, R040

| EU ID | Operations, Property and/or Equipment Description |
|---|---|
| R032 | Bulk Molding Compound Injection Machine #1 |
| R033 | Bulk Molding Compound Injection Machine #10 |
| R036 | Bulk Molding Compound Injection Machine #4 |
| R037 | Bulk Molding Compound Injection Machine #5 |
| R038 | Bulk Molding Compound Injection Machine #36 |
| R039 | Bulk Molding Compound Injection Machine #41 |
| R040 | Bulk Molding Compound Injection Machine #47 |

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| a. | OAC rule 3745-31-05(A)(3)<br><br>(P0108161) | Organic compound (OC) emissions shall not exceed 0.44 pound per hour (lb/hr), 10.56 pounds per day (lbs/day), and 1.90 tons per year (TPY). |
| b. | OAC rule 3745-21-25(D)(1) | See b)(2)a. |
| c. | 40 CFR Part 63, Subpart WWWW (40 CFR 63.5780-5935) | See b)(2)a. |
| d. | 40 CFR Part 63, Subpart A (40 CFR Part 63.1-16) | See b)(2)b. |

(2) Additional Terms and Conditions

a. The following work practice standards identified in 40 CFR Part 63, Subpart WWWW Table 4 and OAC rule 3745-21-25 Tabe 1, apply to the operation of this emissions unit:

i. the permittee must uncover unwrap, or expose only one charge per mold cycle per compression/injection molding machine;

ii. for machines with multiple molds, one charge means sufficient material to fill all molds for one cycle;

iii. for machines with robotic loaders, no more than one charge may be exposed prior to the loader;

iv. for machines fed by hoppers, sufficient material may be uncovered to fill the hopper. Hoppers must be closed when not adding materials;

v. materials may be uncovered to feed to slitting machines. Materials must be recovered after slitting;

vi. the permittee shall not use cleaning solvents that contain HAPs or that have a VOC content greater than 0.42 pound VOC per gallon, except as provided by 40 CFR Part 63, Subpart WWWW Table 4 and OAC rule 3745-21-25 Tabe 1; and

vii. keep containers that store HAP and VOC-containing materials closed or covered except during the addition or removal of materials. Bulk storage tanks may be vented as necessary for safety.

b. Table 15 to subpart WWWW of 40 CFR Part 63 - "Applicability of General Provisions (Subpart A) to subpart WWWW of Part 63" identifies which parts of the General Provisions in 40 CFR Part 63.1-16 apply.

c) Operational Restrictions

(1) The permittee shall comply with the applicable operational restrictions necessary to demonstrate compliance with 40 CFR Part 63, Subpart WWWW.

[Authority for term: 40 CFR Part 63, Subpart WWWW and OAC rule 3745-77-07(A)(1)]

(2) The permittee shall comply with the applicable operational restrictions necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

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

a. the company identification for each production material employed;

b. the weight of each production material employed, in pounds;

c. the weight of all production materials employed, in pounds/day;

d. the total OC emission rate for all production materials employed, in pounds, [i.e., the product of d)(1)c. multiplied by the appropriate emission factor]. See f)(1)b.

e. the actual number of hours the emissions unit was in operation; and

f. the average hourly OC emissions rate for all production materials employed, [i.e., d)(1)d. divided by d)(1)e., in pounds per hour (average)].

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

(2) The permittee shall collect and record the total OC emissions for all production materials, in pounds per month.

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

(3) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart WWWW.

[Authority for term: 40 CFR Part 63, Subpart WWWW and OAC rule 3745-77-07(C)(1)]

(4) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

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

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(2) The permittee shall submit quarterly deviation (excursion) reports which identify the following:

a. an identification of each day during which the average hourly OC emissions from the production materials exceeded 0.44 pound per hour, and the actual average hourly OC emissions for each such day; and

b. an identification of each day during which the OC emissions from the production materials exceeded 10.56 pounds per day, and the actual OC emissions for each such day.

The quarterly deviation (excursion) reports 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), OAC rule 3745-15-03(B)(1)(a), and OAC rule 3745-15-03(C)]

(3) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart WWWW.

[Authority for term: 40 CFR Part 63, Subpart WWWW and OAC rule 3745-77-07(C)(1)]

(4) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

(1) Compliance with the emission limitation(s) in b)(1) of these terms and conditions shall be determined in accordance with the following method(s):

a. Emissions Limitation:

Organic compound emissions shall not exceed 0.44 lb/hr.

Applicable Compliance Method:

Compliance with the hourly limitation shall be determined through daily record keeping as specified in d)(1). Formulation data or U.S. EPA Method 24 shall be used to determine the organic compound contents of the production materials.

If required, the permittee shall demonstrate compliance with this emissions limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate, or an equivalent alternate method as approved by Ohio EPA.

b. Emissions Limitation:

Organic compound emissions shall not exceed 10.56 lbs/day and 1.90 TPY.

Applicable Compliance Method:

Compliance with the daily OC limitations shall be determined through the following equation:

EOC = Summation of Pi x EFi

where:

EOC = the organic compound emissions from mold operations, in pounds per day;

Pi = the production rate of mold compound ‘i’, in pounds per day; and

EFi = emission factor of mold compound ‘i’, in pounds OC per pound of mold compound. The emission factor for styrene emissions from the mold press is 0.00134 pounds per pound of production materials, as determined from a Society of Plastics Industry report, "Styrene Emissions during the Charging and Molding Cycle."

Any analysis of a material shall be based on the material as employed, including the addition of any monomer to the material. The permittee shall determine the

composition of the material by formulation data supplied by the manufacturer or from data determined by an analysis of each material, as employed, by U.S. EPA Reference Method 24 - Determination of Volatile Matter Content, Water Content, Density, Volume Solids and Weight Solids of Surface Coatings, as referenced in 40 CFR Part 60, Appendix A. If formulation data is employed, Ohio EPA may require the permittee to have a Reference Method 24 analysis or an equivalent, alternative method (as approved by Ohio EPA) performed on the material(s).

If required, the permittee shall demonstrate compliance with the hourly emissions limitation through emission tests performed in accordance with 40 CFR Part 60, Appendix A, Method 18, 25 or 25A, as appropriate, or an equivalent alternate method as approved by Ohio EPA.

Compliance with the annual OC limitation shall be determined by summing the monthly OC emissions required by d)(2).

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

(2) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart WWWW.

[Authority for term: 40 CFR Part 63, Subpart WWWW and OAC rule 3745-77-07(C)(1)]

(3) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

g) Miscellaneous Requirements

(1) None.

## 11. Emissions Unit Group -UV Line 1 and 2: R022, R023,

| EU ID | Operations, Property and/or Equipment Description |
|---|---|
| R022 | UV Line 1 spray booth with infrared oven, UV oven and dry filtration venting to thermal incinerator 20-1. |
| R023 | UV Line 2 spray booth with infrared oven, UV oven and dry filtration venting to thermal incinerator 20-1. |

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

(1) None.

b) Applicable Emissions Limitations and/or Control Requirements

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

| | Applicable Rules/Requirements | Applicable Emissions Limitations/Control Measures |
|---|---|---|
| a. | OAC rule 3745-31-05(A)(3)<br><br>(P0108161) | Organic compound (OC) emissions shall not exceed 2.40 pounds per hour (lbs/hr).<br><br>Particulate emissions (PE) shall not exceed 0.28 lb/hr and 1.23 tons per year (TPY).<br><br>See b)(2)a. and b)(2)b. |
| b. | OAC rule 3745-31-05(D)<br>(synthetic minor to avoid PSD) | OC emissions from this emissions unit shall not exceed 7.60 tons per rolling, 12-month period.<br><br>See c)(1) and c)(2). |
| c. | OAC rule 3745-21-07(G)(2) | The emissions limitation specified by this rule is less stringent than the emission limitation established pursuant to OAC rule 3745-31-05(A)(3).<br><br>See b)(2)c. |

| | | |
|---|---|---|
| d. | OAC rule 3745-21-07(M)(2) | The overall OC emissions reduction requirement specified by this rule is less stringent than the overall OC emissions reduction requirement established pursuant to OAC rule 3745-31-05(A)(3).<br><br>See b)(2)c. |
| e. | OAC rule 3745-21-07(G)(6) | See b)(2)c. |
| f. | OAC rule 3745-17-11(C) | See c)(3) and c)(4) |
| g. | 40 CFR Part 63, Subpart PPPP (40 CFR 63.4480-4581) | See b)(2)d. |
| h. | 40 CFR Part 63, Subpart A (40 CFR Part 63.1-16) | See b)(2)e. |

(2) Additional Terms and Conditions

a. Best available technology (BAT) control requirements for this emissions unit have been determined to be the use of a permanent total enclosure (PTE) and a thermal incinerator with a minimum destruction and removal efficiency of 95% for OC emissions. BAT also includes compliance with the terms and conditions of this permit. Nothing in this paragraph shall prohibit the permittee from employing other control measures to ensure compliance.

In order to maintain compliance with the applicable emission limitation(s) contained in this permit, the acceptable average combustion temperature within the thermal oxidizer, for any 3-hour block of time when the emissions unit(s) controlled by the thermal oxidizer is/are in operation, shall not be more than 50 degrees Fahrenheit below the average temperature measured during the most recent performance test that demonstrated the emissions unit(s) was/were in compliance.

b. The PE limitations are based on the emissions units' potentials to emit. Therefore, no additional monitoring, record keeping, or reporting requirements are needed to establish compliance with these emission limitations.

c. On February 18, 2008, OAC rule 3745-21-07 was revised in its entirety; therefore, the 21-07 rule that was in effect prior to this date is no longer part of the State regulations. On April 4, 2008, the rule revision was submitted to the U.S. EPA as a revision to Ohio's State Implementation Plan (SIP); however, until the U.S. EPA approves the revision to OAC rule 3745-21-07, the requirement to comply with the previous 21-07 rule provisions still exists as part of the federally-approved SIP for Ohio.

The emission limitations and control requirements from the amended 21-07 rule, and the associated operational restrictions and the monitoring, record keeping, and reporting requirements contained in this permit, shall become federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan.

The following term is required by OAC rule 3745-21-07(G)(6) and is part of the federally-approved Ohio State Implementation Plan and will remain federally enforceable on the date the U.S. EPA approves the revised OAC rule 3745-21-07 as a revision to the Ohio State Implementation Plan as identified by OAC rule 3745-21-07(M)(2):

i. Ninety percent or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.

d. The facility is subject to the following applicable emissions limitation(s) identified in 40 CFR Part 63, Subpart PPPP, Section 63.4490(b)(2):

i. For each existing automotive lamp coating affected source, limit organic HAP emissions to no more than 0.45 kg (0.45 lb) per kg (lb) coating solids used during each 12-month compliance period.

e. Table 2 to subpart PPPP of 40 CFR Part 63 - "Applicability of General Provisions (Subpart A) to subpart PPPP of Part 63" identifies which parts of the General Provisions in 40 CFR Part 63.1-16 apply.

c) Operational Restrictions

(1) The maximum annual coating usage for this emissions unit shall not exceed 57,000 gallons, based upon a rolling, 12-month summation of the coating usage figures.

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

(2) The maximum annual cleanup material usage for this emissions unit shall not exceed 3,600 gallons, based upon a rolling, 12-month summation of the cleanup material usage figures.

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

(3) The permittee shall operate the dry filtration system for the control of particulate emissions whenever this emissions unit is in operation and shall maintain the dry particulate filter in accordance with the manufacturer's recommendations, instructions, and/or operating manual(s), with any modifications deemed necessary by the permittee.

[Authority for term: OAC rule 3745-17-11(C)(1), OAC rule 3745-17-11(C)(2)(b), and OAC rule 3745-77-07(A)(1)]

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

[Authority for term: OAC rule 3745-17-11(C)(2)(e) and OAC rule 3745-77-07(A)(1)]

(5) The permittee shall comply with the applicable operational restrictions necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(A)(1)]

(6) The permittee shall comply with the applicable operational restrictions necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(A)(1)]

d) Monitoring and/or Recordkeeping Requirements

(1) The permittee shall collect and record the following information each day for the coating operation:

a. the company identification for each coating and cleanup material employed;

b. the number of gallons of each coating and each cleanup material employed;

c. the total gallons of all coatings and total gallons of all cleanup materials employed;

d. the OC content of each coating and cleanup material, in pounds per gallon;

e. the PE content of each coating, in pounds per gallon;

f. if a credit to emissions from recovered cleanup materials is to be used in emission calculations, the number of gallons of cleanup material reclaimed for off-site recycle, recovery, and/or disposal from the emissions unit;

g. the total controlled OC emissions rate for all coatings and clean-up materials, in pounds per day. The controlled OC emission rate shall be 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;

h. the total OC emission rate for all coatings and cleanup materials, in pounds per day for the emissions unit;

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

j. the average hourly OC emission rate for all coatings and cleanup materials, i.e., d)(1)g./d)(1)i., in pounds per hour (average).

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

(2) The permittee shall maintain monthly records of the following information:

a. the rolling, 12-month summation of the coating usage, in gallons;

b. the rolling, 12-month summation of the cleanup material usage (less any cleanup material sent off-site for recycle, recovery, and/or disposal) in gallons; and

c. the rolling, 12-month summation of OC emissions from coating and cleanup usage, in pounds or tons.

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

(3) The permittee shall properly install, operate, and maintain a continuous temperature monitor and recorder that measures and records the combustion temperature within the thermal oxidizer when the emissions unit(s) is/are in operation, including periods of startup and shutdown. 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 monitor and recorder shall be installed, calibrated, operated, and maintained in accordance with the manufacturer's recommendations, instructions, and the operating manuals, with any modifications deemed necessary by the permittee. 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 thermal oxidizer was/were in operation, during which the average combustion temperature within the thermal oxidizer was more than 50 degrees Fahrenheit below the average temperature measured during the most recent performance test that demonstrated the emissions unit(s) was/were in compliance; and

b. a log (date and total time) of the downtime or bypass of the capture (collection) system and thermal oxidizer, and/or downtime of the monitoring equipment, when the associated emissions unit(s) was/were in operation.

[Authority for term: OAC rule 3745-21-07(G)(1), OAC rule 3745-21-07(G)(6)(a), and OAC rule 3745-21-07(G)(7)]

(4) Whenever the monitored average combustion temperature within the thermal oxidizer deviates from the range or limit established in accordance with this permit, the permittee shall promptly investigate the cause of the deviation. The permittee shall maintain records of the following information for each investigation:

a. the date and time the deviation began;

b. the magnitude of the deviation at that time;

c. the date the investigation was conducted;

d. the name(s) of the personnel who conducted the investigation; and

e. the findings and recommendations.

In response to each required investigation to determine the cause of a deviation, the permittee shall take prompt corrective action to bring the operation of the control equipment within the acceptable range/limit specified in this permit, unless the permittee determines that corrective action is not necessary and documents the reasons for that determination and the date and time the deviation ended. The permittee shall maintain records of the following information for each corrective action taken:

a. a description of the corrective action;

b. the date corrective action was completed;

c. the date and time the deviation ended;

d. the total period of time (in minutes) during which there was a deviation;

e. the temperature readings immediately after the corrective action was implemented; and

f. the name(s) of the personnel who performed the work.

Investigation and records required by this paragraph do not eliminate the need to comply with the requirements of OAC rule 3745-15-06 if it is determined that a malfunction has occurred.

The temperature range/limit is effective for the duration of this permit, unless revisions are requested by the permittee and approved in writing by the appropriate Ohio EPA District Office or local air agency. The permittee may request revisions to the permitted temperature range/limit based upon information obtained during future performance tests that demonstrate compliance with the allowable emission rate(s) for the controlled pollutant(s). In addition, approved revisions to the temperature range/limit will not constitute a relaxation of the monitoring requirements of this permit and may be incorporated into this permit by means of a minor permit modification.

[Authority for term: OAC rule 3745-21-07(G)(1), OAC rule 3745-21-07(G)(6)(a), OAC rule 3745-21-07(G)(7), and OAC rule 3745-77-07(C)(1)]

(5) The permittee shall install, maintain, and operate monitoring devices and a recorder which continuously and simultaneously measure and record the pressure inside and outside the permanent total enclosure surrounding this emissions unit. 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 continuously record the pressure differential between the inside and outside of the permanent total enclosure, when the emissions unit is in operation.

[Authority for term: OAC 3745-17-11(C)(3)]

(6) The permittee shall maintain documentation of the manufacturer's recommendations, instructions, or operating manuals for the dry particulate filter, along with documentation of any modifications deemed necessary by the permittee. These documents shall be

maintained at the facility and shall be made available to the appropriate Ohio EPA District Office or local air agency upon request.

[Authority for term: OAC 3745-17-11(C)(2)(a) and OAC rule 3745-77-07(C)(1)]

(7) The permittee shall conduct periodic inspections of the dry particulate filter to determine whether it is operating in accordance with the manufacturer's recommendations, instructions, or operating manuals with any modifications deemed necessary by the permittee or operator. These inspections shall be performed at a frequency that shall be based upon the recommendation of the manufacturer and the permittee shall maintain a copy of the manufacturer's recommended inspection frequency and it shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(C)(1)]

(8) In addition to the recommended periodic inspections, not less than once each calendar year the permittee shall conduct a comprehensive inspection of the dry particulate filter while the emissions unit is shut down and perform any needed maintenance and repair to ensure that it is operated in accordance with the manufacturer's recommendations.

[Authority for term: OAC rule 3745-17-11(C)(2)(c) and OAC rule 3745-77-07(C)(1)]

(9) The permittee shall document each inspection (periodic and annual) of the dry particulate filter system and shall maintain the following information:

a. the date of the inspection;
b. a description of each/any problem identified and the date it was corrected;
c. a description of any maintenance and repairs performed; and
d. the name of person who performed the inspection.

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

[Authority for term: OAC rule 3745-17-11(C)(2)(d), OAC rule 3745-17-11(C)(2)(f), and 3745-77-07(C)(1)]

(10) The permittee shall maintain records that document any time periods when the dry particulate filter was not in service when the emissions unit(s) was/were in operation, as well as, a record of all operations during which the dry particulate filter was not operated according to the manufacturer's recommendations with any documented modifications made by the permittee. These records shall be maintained for a period of not less than five years and shall be made available to the Ohio EPA upon request.

[Authority for term: OAC rule 3745-17-11(C)(2)(e), OAC rule 3745-17-11(C)(2)(f), OAC rule 3745-17-11(C)(2)(g), and 3745-77-07(C)(1)]

(11) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(12) The permittee shall comply with the applicable monitoring and/or recordkeeping requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

e) Reporting Requirements

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

[Authority for term: OAC rule 3745-15-03(A) and OAC rule 3745-77-07(A)(3)(c)]

(2) The permittee shall submit quarterly deviation (excursion) reports which identify the following:

a. all exceedances of the rolling, 12-month coating usage limitation;

b. all exceedances of the rolling, 12-month cleanup material usage limitation;

c. all exceedances of the rolling, 12-month OC emission limitation of 7.6 tons;

d. all days during which the average hourly OC emission rate from coatings and cleanup materials exceeded the limit contained in b)(1), and the actual average OC emission rate for each such day;

e. all periods of time during which the permanent total enclosure was not maintained in such a manner as to meet the criteria established for a PTE in Method 204 (40 CFR Part 51), when the emissions unit was in operation;

f. any daily record showing that the dry particulate filter system was not in service or not operated according to manufacturer's recommendations (with any documented modifications made by the permittee) when the emissions unit(s) was/were in operation;

g. each period of time (start time and date, and end time and date) when the average combustion temperature within the thermal oxidizer was outside of the acceptable range;

h. any period of time (start time and date, and end time and date) when the emissions unit(s) was/were in operation and the process emissions were not vented to the thermal oxidizer;

i. each incident of deviation described in “g” or ”h” (above) where a prompt investigation was not conducted;

j. each incident of deviation described in “g” or ”h” where prompt corrective action, that would bring the emissions unit(s) into compliance and/or the temperature within the thermal oxidizer into compliance with the acceptable range, was determined to be necessary and was not taken; and

k. each incident of deviation described in “g” or ”h” where proper records were not maintained for the investigation and/or the corrective action(s).

The quarterly deviation (excursion) reports 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), OAC rule 3745-15-03(B)(1)(a), and OAC rule 3745-15-03(C)]

(3) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(4) The permittee shall comply with the applicable reporting requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

f) Testing Requirements

(1) Compliance with the emission limitation(s) in b)(1) of these terms and conditions shall be determined in accordance with the following method(s):

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

OC emissions shall not exceed 2.40 lbs/hr.

<u>Applicable Compliance Method:</u>

Compliance with the hourly limitation shall be determined through daily record keeping as specified in d)(1). Formulation data or U.S. EPA Method 24 shall be used to determine the organic compound contents of the coatings and cleanup materials.

b. <u>Emissions Limitation:</u>

PE shall not exceed 0.28 lb/hr and 1.23 TPY.

<u>Applicable Compliance Method:</u>

The hourly emission limitation was established by multiplying the maximum PE content of the coating used in the source (3.5 lbs PE/gallon of coating) by the coating's maximum usage in any hour (4.5 gallons) and crediting for transfer and control efficiency using the following calculations:

PE emissions/hr = (maximum PE content of coating) x (maximum coating usage in one hour) x (1-TE*) x (1-CE**)

* TE= transfer efficiency (65%)
** CE= capture efficiency (95% for dry filtration control)

The annual emission limitation was established by multiplying the hourly limitation by 8,760 hours/year and then dividing by 2,000 pounds/ton. Compliance with the annual emission limitation may be assumed as long as compliance with the hourly emission limitation is maintained.

c. Emissions Limitation:

OC emissions shall not exceed 7.60 tons per rolling, 12-month period.

Applicable Compliance Method:

Compliance with this emission limitation may be determined through the record keeping required by d)(2).

d. Emissions Limitations:

Ninety percent or more of the carbon in the organic material being incinerated shall be oxidized to carbon dioxide.

Applicable Compliance Method:

If required, compliance with this limitation shall be determined in accordance with 40 CFR Part 60, Appendix A, Method 10.

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

(2) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart PPPP.

[Authority for term: 40 CFR Part 63, Subpart PPPP and OAC rule 3745-77-07(C)(1)]

(3) The permittee shall comply with the applicable testing requirements necessary to demonstrate compliance with 40 CFR Part 63, Subpart A.

[Authority for term: 40 CFR Part 63, Subpart A and OAC rule 3745-77-07(C)(1)]

(4) 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 after issuance of the permit and within 6 months prior to the permit expiration.

b. The emission testing shall be conducted to demonstrate compliance with the requirement to use a permanent total enclosure (PTE) and a thermal incinerator with a minimum destruction and removal efficiency of 95% for OC emissions.

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

i. Methods 1 through 4 from 40 CFR Part 60, Appendix A for velocity traverses, velocity and volumetric flow rates, gas analysis, and moisture content; and

ii. Method 18, Method 25, or Method 25A from 40 CFR Part 60, Appendix A.

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

The capture efficiency shall be determined using Methods 204 through 204F, as specified in 40 CFR Part 51, Appendix M, or the permittee may request to use an alternative method or procedure for the determination of capture efficiency in accordance with the USEPA s Guidelines for Determining Capture Efficiency, dated January 9, 1995. (The Ohio EPA will consider the request, including an evaluation of the applicability, necessity, and validity of the alternative, and may approve the use of the alternative if such approval does not contravene any other applicable requirement.)

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 Ohio EPA. 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.

d. 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 appropriate Ohio EPA District Office or local air agency.

e. Not later than 30 days prior to the proposed test date(s), the permittee shall submit an "Intent to Test" notification to the appropriate Ohio EPA District Office or local air agency. The "Intent to Test" notification shall describe in detail the proposed test methods and procedures, the emissions unit operating parameters, the time(s) and date(s) of the test(s), and the person(s) who will be conducting the test(s). Failure to submit such notification for review and approval prior to the test(s) may result in the Ohio EPA District Office's or local air agency's refusal to accept the results of the emission test(s).

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

g. A comprehensive written report on the results of the emissions test(s) shall be signed by the person or persons responsible for the tests and submitted to the

appropriate Ohio EPA District Office or local air agency within 30 days following completion of the test(s). The permittee may request additional time for the submittal of the written report, where warranted, with prior approval from the appropriate Ohio EPA District Office or local air agency.

[Authority for term: OAC rule 3745-77-07(C)(1) and OAC rule 3745-15-04(A)]

g) Miscellaneous Requirements

(1) None.