



Environmental Protection Agency

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

6/8/2011

Certified Mail

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

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

RE: FINALAIR POLLUTION PERMIT-TO-INSTALL

Facility ID: 0149000089
Permit Number: P0108161
Permit Type: Administrative Modification
County: Madison

Dear Permit Holder:

Enclosed please find a final Air Pollution Permit-to-Install (PTI) which will allow you to install or modify the described emissions unit(s) in a manner indicated in the permit. Because this permit contains several conditions and restrictions, we urge you to read it carefully. Please complete a survey at www.epa.ohio.gov/dapc/permitsurvey.aspx and give us feedback on your permitting experience. We value your opinion.

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

Environmental Review Appeals Commission
309 South Fourth Street, Room 222
Columbus, OH 43215

The Ohio EPA is encouraging companies to investigate pollution prevention and energy conservation. Not only will this reduce pollution and energy consumption, but it can also save you money. If you would like to learn ways you can save money while protecting the environment, please contact our Office of Compliance Assistance and Pollution Prevention at (614) 644-3469. If you have any questions regarding this permit, please contact the Ohio EPA DAPC, Central District Office. This permit can be accessed electronically on the Division of Air Pollution Control (DAPC) Web page, www.epa.ohio.gov/dapc by clicking the "Issued Air Pollution Control Permits" link.

Sincerely,

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

Cc: U.S. EPA
Ohio EPA-CDO



FINAL

**Division of Air Pollution Control
Permit-to-Install
for
STANLEY ELECTRIC US COMPANY**

Facility ID: 0149000089
Permit Number: P0108161
Permit Type: Administrative Modification
Issued: 6/8/2011
Effective: 6/8/2011



Division of Air Pollution Control
Permit-to-Install
for
STANLEY ELECTRIC US COMPANY

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Authorization

Facility ID: 0149000089
Facility Description: Vehicular lighting equipment
Application Number(s): M0001259, M0001252, M0001248, M0001250, M0001253, M0001256, M0001251,
M0001254, M0001257, M0001258
Permit Number: P0108161
Permit Description: Administrative modification to include OAC rule 3745-17-11(C) requirements and to
coordinate the requirements in each of the significant emission units such that the terms
include consistent requirements for similar types of units.
Permit Type: Administrative Modification
Permit Fee: \$0.00
Issue Date: 6/8/2011
Effective Date: 6/8/2011

This document constitutes issuance to:

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

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

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

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

This permit is granted subject to the conditions attached hereto.

Ohio Environmental Protection Agency


Scott J. Nally
Director



Authorization (continued)

Permit Number: P0108161

Permit Description: Administrative modification to include OAC rule 3745-17-11(C) requirements and to coordinate the requirements in each of the significant emission units such that the terms include consistent requirements for similar types of units.

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

Emissions Unit ID:	R003
Company Equipment ID:	Topcoat
Superseded Permit Number:	01-1492
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	R024
Company Equipment ID:	HardCoat
Superseded Permit Number:	01-7852
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	R025
Company Equipment ID:	UV Line 3
Superseded Permit Number:	01-08522
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	R027
Company Equipment ID:	Deco R027
Superseded Permit Number:	01-08805
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	R028
Company Equipment ID:	UV Line 4
Superseded Permit Number:	01-08924
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	R029
Company Equipment ID:	AF 1
Superseded Permit Number:	01-08924
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	R030
Company Equipment ID:	AF 2
Superseded Permit Number:	01-08924
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	R041
Company Equipment ID:	HC/AF
Superseded Permit Number:	01-12102
General Permit Category and Type:	Not Applicable

Emissions Unit ID:	R042
Company Equipment ID:	UV Line 5
Superseded Permit Number:	01-12102
General Permit Category and Type:	Not Applicable



Group Name: Mold Machines #1,10,4,5,36,41&47

Emissions Unit ID:	R032
Company Equipment ID:	Molding Machine #1
Superseded Permit Number:	01-08933
General Permit Category andType:	Not Applicable
Emissions Unit ID:	R033
Company Equipment ID:	Molding Machine #10
Superseded Permit Number:	01-08933
General Permit Category andType:	Not Applicable
Emissions Unit ID:	R036
Company Equipment ID:	Molding Machine #4
Superseded Permit Number:	01-08933
General Permit Category andType:	Not Applicable
Emissions Unit ID:	R037
Company Equipment ID:	Molding Machine #5
Superseded Permit Number:	01-08933
General Permit Category andType:	Not Applicable
Emissions Unit ID:	R038
Company Equipment ID:	Molding Machine #36
Superseded Permit Number:	01-08933
General Permit Category andType:	Not Applicable
Emissions Unit ID:	R039
Company Equipment ID:	Molding Machine #41
Superseded Permit Number:	01-08933
General Permit Category andType:	Not Applicable
Emissions Unit ID:	R040
Company Equipment ID:	Molding Machine #47
Superseded Permit Number:	01-12045
General Permit Category andType:	Not Applicable

Group Name: UV Line 1 and 2

Emissions Unit ID:	R022
Company Equipment ID:	UV Line 1
Superseded Permit Number:	01-07415
General Permit Category andType:	Not Applicable
Emissions Unit ID:	R023
Company Equipment ID:	UV Line 2
Superseded Permit Number:	01-07415
General Permit Category andType:	Not Applicable

A. Standard Terms and Conditions

1. Federally Enforceable Standard Terms and Conditions

- a) All Standard Terms and Conditions are federally enforceable, with the exception of those listed below which are enforceable under State law only:
 - (1) Standard Term and Condition A.2.a), Severability Clause
 - (2) Standard Term and Condition A.3.c) through A. 3.e)General Requirements
 - (3) Standard Term and Condition A.6.c) and A. 6.d), Compliance Requirements
 - (4) Standard Term and Condition A.9., Reporting Requirements
 - (5) Standard Term and Condition A.10., Applicability
 - (6) Standard Term and Condition A.11.b) through A.11.e), Construction of New Source(s) and Authorization to Install
 - (7) Standard Term and Condition A.14., Public Disclosure
 - (8) Standard Term and Condition A.15., Additional Reporting Requirements When There Are No Deviations of Federally Enforceable Emission Limitations, Operational Restrictions, or Control Device Operating Parameter Limitations
 - (9) Standard Term and Condition A.16., Fees
 - (10) Standard Term and Condition A.17., Permit Transfers

2. Severability Clause

- a) A determination that any term or condition of this permit is invalid shall not invalidate the force or effect of any other term or condition thereof, except to the extent that any other term or condition depends in whole or in part for its operation or implementation upon the term or condition declared invalid.
- b) All terms and conditions designated in parts B and C of this permit are federally enforceable as a practical matter, if they are required under the Act, or any of its applicable requirements, including relevant provisions designed to limit the potential to emit of a source, are enforceable by the Administrator of the U.S. EPA and the State and by citizens (to the extent allowed by section 304 of the Act) under the Act. Terms and conditions in parts B and C of this permit shall not be federally enforceable and shall be enforceable under State law only, only if specifically identified in this permit as such.

3. General Requirements

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

- b) It shall not be a defense for the permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the federally enforceable terms and conditions of this permit.
- c) This permit may be modified, revoked, or revoked and reissued, for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or revocation, or of a notification of planned changes or anticipated noncompliance does not stay any term and condition of this permit.
- d) This permit does not convey any property rights of any sort, or any exclusive privilege.
- e) The permittee shall furnish to the Director of the Ohio EPA, or an authorized representative of the Director, upon receipt of a written request and within a reasonable time, any information that may be requested to determine whether cause exists for modifying or revoking this permit or to determine compliance with this permit. Upon request, the permittee shall also furnish to the Director or an authorized representative of the Director, copies of records required to be kept by this permit. For information claimed to be confidential in the submittal to the Director, if the Administrator of the U.S. EPA requests such information, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality.

4. Monitoring and Related Record Keeping and Reporting Requirements

- a) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall maintain records that include the following, where applicable, for any required monitoring under this permit:
 - (1) The date, place (as defined in the permit), and time of sampling or measurements.
 - (2) The date(s) analyses were performed.
 - (3) The company or entity that performed the analyses.
 - (4) The analytical techniques or methods used.
 - (5) The results of such analyses.
 - (6) The operating conditions existing at the time of sampling or measurement.
- b) Each record of any monitoring data, testing data, and support information required pursuant to this permit shall be retained for a period of five years from the date the record was created. Support information shall include, but not be limited to all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by this permit. Such records may be maintained in computerized form.
- c) Except as may otherwise be provided in the terms and conditions for a specific emissions unit, the permittee shall submit required reports in the following manner:
 - (1) Reports of any required monitoring and/or recordkeeping of federally enforceable information shall be submitted to the Ohio EPA DAPC, Central District Office.

- (2) Quarterly written reports of (i) any deviations from federally enforceable emission limitations, operational restrictions, and control device operating parameter limitations, excluding deviations resulting from malfunctions reported in accordance with OAC rule 3745-15-06, that have been detected by the testing, monitoring and recordkeeping requirements specified in this permit, (ii) the probable cause of such deviations, and (iii) any corrective actions or preventive measures taken, shall be made to the Ohio EPA DAPC, Central District Office. The written reports shall be submitted (i.e., postmarked) quarterly, by January 31, April 30, July 31, and October 31 of each year and shall cover the previous calendar quarters. See A.15. below if no deviations occurred during the quarter.
 - (3) Written reports, which identify any deviations from the federally enforceable monitoring, recordkeeping, and reporting requirements contained in this permit shall be submitted (i.e., postmarked) to the Ohio EPA DAPC, Central District Office every six months, by January 31 and July 31 of each year for the previous six calendar months. If no deviations occurred during a six-month period, the permittee shall submit a semi-annual report, which states that no deviations occurred during that period.
 - (4) This permit is for an emissions unit located at a Title V facility. Each written report shall be signed by a responsible official certifying that, based on information and belief formed after reasonable inquiry, the statements and information in the report are true, accurate, and complete.
- d) The permittee shall report actual emissions pursuant to OAC Chapter 3745-78 for the purpose of collecting Air Pollution Control Fees.

5. Scheduled Maintenance/Malfunction Reporting

Any scheduled maintenance of air pollution control equipment shall be performed in accordance with paragraph (A) of OAC rule 3745-15-06. The malfunction, i.e., upset, of any emissions units or any associated air pollution control system(s) shall be reported to the Ohio EPA DAPC, Central District Office in accordance with paragraph (B) of OAC rule 3745-15-06. (The definition of an upset condition shall be the same as that used in OAC rule 3745-15-06(B)(1) for a malfunction.) The verbal and written reports shall be submitted pursuant to OAC rule 3745-15-06.

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

6. Compliance Requirements

- a) The emissions unit(s) identified in this Permit shall remain in full compliance with all applicable State laws and regulations and the terms and conditions of this permit.
- b) Any document (including reports) required to be submitted and required by a federally applicable requirement in this permit shall include a certification by a responsible official that, based on information and belief formed after reasonable inquiry, the statements in the document are true, accurate, and complete.

- c) Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the Director of the Ohio EPA or an authorized representative of the Director to:
 - (1) At reasonable times, enter upon the permittee's premises where a source is located or the emissions-related activity is conducted, or where records must be kept under the conditions of this permit.
 - (2) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this permit, subject to the protection from disclosure to the public of confidential information consistent with ORC section 3704.08.
 - (3) Inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit.
 - (4) As authorized by the Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit and applicable requirements.
- d) The permittee shall submit progress reports to the Ohio EPA DAPC, Central District Office concerning any schedule of compliance for meeting an applicable requirement. Progress reports shall be submitted semiannually or more frequently if specified in the applicable requirement or by the Director of the Ohio EPA. Progress reports shall contain the following:
 - (1) Dates for achieving the activities, milestones, or compliance required in any schedule of compliance, and dates when such activities, milestones, or compliance were achieved.
 - (2) An explanation of why any dates in any schedule of compliance were not or will not be met, and any preventive or corrective measures adopted.

7. Best Available Technology

As specified in OAC Rule 3745-31-05, new sources that must employ Best Available Technology (BAT) shall comply with the Applicable Emission Limitations/Control Measures identified as BAT for each subject emissions unit.

8. Air Pollution Nuisance

The air contaminants emitted by the emissions units covered by this permit shall not cause a public nuisance, in violation of OAC rule 3745-15-07.

9. Reporting Requirements

The permittee shall submit required reports in the following manner:

- a) Reports of any required monitoring and/or recordkeeping of state-only enforceable information shall be submitted to the Ohio EPA DAPC, Central District Office.
- b) Except as otherwise may be provided in the terms and conditions for a specific emissions unit, quarterly written reports of (a) any deviations (excursions) from state-only required emission limitations, operational restrictions, and control device operating parameter limitations that have

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

10. Applicability

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

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

- a) This permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. This permit does not constitute expressed or implied assurance that the proposed facility has been constructed in accordance with the application and terms and conditions of this permit. The action of beginning and/or completing construction prior to obtaining the Director's approval constitutes a violation of OAC rule 3745-31-02. Furthermore, issuance of this permit does not constitute an assurance that the proposed source will operate in compliance with all Ohio laws and regulations. Issuance of this permit is not to be construed as a waiver of any rights that the Ohio Environmental Protection Agency (or other persons) may have against the applicant for starting construction prior to the effective date of the permit. Additional facilities shall be installed upon orders of the Ohio Environmental Protection Agency if the proposed facilities cannot meet the requirements of this permit or cannot meet applicable standards.
- b) If applicable, authorization to install any new emissions unit included in this permit shall terminate within eighteen months of the effective date of the permit if the owner or operator has not undertaken a continuing program of installation or has not entered into a binding contractual obligation to undertake and complete within a reasonable time a continuing program of installation. This deadline may be extended by up to 12 months if application is made to the Director within a reasonable time before the termination date and the party shows good cause for any such extension.
- c) The permittee may notify Ohio EPA of any emissions unit that is permanently shut down (i.e., the emissions unit has been physically removed from service or has been altered in such a way that it can no longer operate without a subsequent "modification" or "installation" as defined in OAC Chapter 3745-31) by submitting a certification from the authorized official that identifies the date on which the emissions unit was permanently shut down. Authorization to operate the affected emissions unit shall cease upon the date certified by the authorized official that the emissions unit was permanently shut down. At a minimum, notification of permanent shut down shall be made or confirmed by marking the affected emissions unit(s) as "permanently shut down" in Ohio EPA's "Air Services" along with the date the emissions unit(s) was permanently removed and/or disabled. Submitting the facility profile update will constitute notifying of the permanent shutdown of the affected emissions unit(s).

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

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

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

12. Permit-To-Operate Application

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

13. Construction Compliance Certification

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

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

14. Public Disclosure

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

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

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

16. Fees

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

17. Permit Transfers

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

18. Risk Management Plans

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

19. Title IV Provisions

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

B. Facility-Wide Terms and Conditions

1. All of the following facility-wide terms and conditions are federally enforceable with the exception of those listed below which are enforceable under state law only:
 - a) None.
2. The following emissions units contained in this permit are subject to 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) (Established by PTI 01-1492 issued final June 3, 1987)	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%. 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. 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. Emissions Limitations:

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

- Applicable Compliance Method:

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. Emissions Limitations:

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:

If required, the permittee shall demonstrate compliance with these emissions limitations through emission tests conducted in accordance with 40 CFR Part 60, Appendix A, Methods 1-4 and 18, 25 or 25A.

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)]

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) (Established by PTI 01-7852 issued final April 21, 1999)	Organic compound (OC) emissions shall not exceed 2.89 pounds per hour (lbs/hr) and 12.66 tons per year (TPY). Particulate emissions (PE) shall not exceed 2.4 TPY. 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). 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). 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 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. Emissions Limitation:

Particulate emissions shall not exceed 2.4 TPY.

- Applicable Compliance Method:

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. Emissions Limitation:

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)]

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) (Established by PTI 01-08522 issued final February 28, 2002)	Organic compound (OC) emissions shall not exceed 0.9 pound per hour (lb/hr) and 3.7 tons per year (TPY). Particulate emissions (PE) shall not exceed 0.31 lb/hr and 1.4 TPY. 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). 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). 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 P (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. Emissions Limitation:

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

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:

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)]

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) (Established by PTI 01-08805 issued final January 27, 2004)	Organic compound (OC) emissions shall not exceed 0.53 pound per hour (lb/hr) and 1.8 tons per year (TPY), including cleanup. Particulate emissions (PE) shall not exceed 0.10 lb/hr and 0.44 TPY. 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). 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). 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

permittees 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. Emissions Limitation:

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

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:

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)]

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) (Established by PTI 01-08924 issued final April 19, 2005)	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. Particulate emissions (PE) shall not exceed 0.32 lb/hr and 1.4 TPY. 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). 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). 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

permittees 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. Emissions Limitation:

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

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:

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)]

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) (Established by PTI 01-08924 issued final April 19, 2005)	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. 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). 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). 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. Emissions Limitation:

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

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)]

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) (Established by PTI 01-08924 issued final April 19, 2005)	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. 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). 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). 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. Emissions Limitation:

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

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)]

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. See b)(2)a. and b)(2)b.
b.	OAC rule 3745-31-05(A)(3)(a)(ii), as effective 12/01/06 (Established by PTI 01-12102 issued final April 19, 2007)	See b)(2)c.
c.	OAC rule 3745-31-05(D) (synthetic minor to avoid PSD)	OC emissions shall not exceed 6.24 tons per rolling, 12-month period. 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). 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). See b)(2)e.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
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.
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. Emissions Limitation:

OC emissions shall not exceed 1.46 lbs/hr.

- Applicable Compliance Method:

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)]

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. 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. 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). 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). 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.
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. Emissions Limitation:

OC emissions shall not exceed 1.91 lbs/hr, excluding cleanup materials.

Applicable Compliance Method:

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. Emissions Limitation:

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)]

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) (Established by PTI 01-08933 issued final March 13, 2007)	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 Table 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:

$$EOC = \text{Summation of } P_i \times E_{Fi}$$

where:

EOC = the organic compound emissions from mold operations, in pounds per day;

P_i = the production rate of mold compound 'i', in pounds per day; and

E_{Fi} = 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) (Established by PTI 01-07415 issued final April 25, 2006)	Organic compound (OC) emissions shall not exceed 2.40 pounds per hour (lbs/hr). Particulate emissions (PE) shall not exceed 0.28 lb/hr and 1.23 tons per year (TPY). See b)(2)a. and b)(2)b.
b.	OAC rule 3745-31-05(D) (synthetic minor to avoid PSD)	OC emissions from this emissions unit shall not exceed 7.60 tons per rolling, 12-month period. 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). 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). See b)(2)c.

	Applicable Rules/Requirements	Applicable Emissions Limitations/Control Measures
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 P (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):

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. Emissions Limitation:

OC emissions shall not exceed 2.40 lbs/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 coatings and cleanup materials.

b. Emissions Limitation:

PE shall not exceed 0.28 lb/hr and 1.23 TPY.

Applicable Compliance Method:

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:

$$\text{PE emissions/hr} = (\text{maximum PE content of coating}) \times (\text{maximum coating usage in one hour}) \times (1 - \text{TE}^*) \times (1 - \text{CE}^{**})$$

* 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)]

g) Miscellaneous Requirements

- (1) None.