



Mitchell E. Daniels, Jr.
Governor

Thomas W. Easterly
Commissioner

100 North Senate Avenue
Indianapolis, Indiana 46204
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

TO: Interested Parties / Applicant
DATE: December 5, 2006
RE: Coating Consultants LLC / 003-22489-00329
FROM: Nisha Sizemore
Chief, Permits Branch
Office of Air Quality

Notice of Decision: Approval – Effective Immediately

Please be advised that on behalf of the Commissioner of the Department of Environmental Management, I have issued a decision regarding the enclosed matter. Pursuant to IC 13-15-5-3, this permit is effective immediately, unless a petition for stay of effectiveness is filed and granted, and may be revoked or modified in accordance with the provisions of IC 13-15-7-1.

If you wish to challenge this decision, IC 4-21.5-3-7 and IC 13-15-6-1(b) or IC 13-15-6-1(a) require that you file a petition for administrative review. This petition may include a request for stay of effectiveness and must be submitted to the Office of Environmental Adjudication, 100 North Senate Avenue, Government Center North, Room 1049, Indianapolis, IN 46204.

For an **initial Title V Operating Permit**, a petition for administrative review must be submitted to the Office of Environmental Adjudication within **thirty (30)** days from the receipt of this notice provided under IC 13-15-5-3, pursuant to IC 13-15-6-1(b).

For a **Title V Operating Permit renewal**, a petition for administrative review must be submitted to the Office of Environmental Adjudication within **fifteen (15)** days from the receipt of this notice provided under IC 13-15-5-3, pursuant to IC 13-15-6-1(a).

The filing of a petition for administrative review is complete on the earliest of the following dates that apply to the filing:

- (1) the date the document is delivered to the Office of Environmental Adjudication (OEA);
- (2) the date of the postmark on the envelope containing the document, if the document is mailed to OEA by U.S. mail; or
- (3) The date on which the document is deposited with a private carrier, as shown by receipt issued by the carrier, if the document is sent to the OEA by private carrier.

The petition must include facts demonstrating that you are either the applicant, a person aggrieved or adversely affected by the decision or otherwise entitled to review by law. Please identify the permit, decision, or other order for which you seek review by permit number, name of the applicant, location, date of this notice and all of the following:

- (1) the name and address of the person making the request;
- (2) the interest of the person making the request;
- (3) identification of any persons represented by the person making the request;
- (4) the reasons, with particularity, for the request;
- (5) the issues, with particularity, proposed for considerations at any hearing; and
- (6) identification of the terms and conditions which, in the judgment of the person making the request, would be appropriate in the case in question to satisfy the requirements of the law governing documents of the type issued by the Commissioner.

Pursuant to 326 IAC 2-7-18(d), any person may petition the U.S. EPA to object to the issuance of an initial Title V operating permit, permit renewal, or modification within sixty (60) days of the end of the forty-five (45) day EPA review period. Such an objection must be based only on issues that were raised with reasonable specificity during the public comment period, unless the petitioner demonstrates that it was impracticable to raise such issues, or if the grounds for such objection arose after the comment period.

To petition the U.S. EPA to object to the issuance of a Title V operating permit, contact:

U.S. Environmental Protection Agency
401 M Street
Washington, D.C. 20406

If you have technical questions regarding the enclosed documents, please contact the Office of Air Quality, Permits Branch at (317) 233-0178. Callers from within Indiana may call toll-free at 1-800-451-6027, ext. 3-0178.



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 Indianapolis, Indiana 46204-2251
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**NEW SOURCE CONSTRUCTION AND
 PART 70 OPERATING PERMIT
 OFFICE OF AIR QUALITY**

**Coating Consultants LLC dba Nu-Tec Coatings
 1615 Fletcher Avenue, Suite A
 Fort Wayne, Indiana 46803**

(herein known as the Permittee) is hereby authorized to construct and operate subject to the conditions contained herein, the source described in Section A (Source Summary) of this permit.

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. 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 conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17. This permit also addresses certain new source review requirements for existing equipment and is intended to fulfill the new source review procedures pursuant to 326 IAC 2-7-10.5, applicable to those conditions.

Operation Permit No.: T 003-22489-00329	
Issued by: Original signed by Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date:December 5, 2006 Expiration Date:December 5. 2011

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SECTION A

SOURCE SUMMARY

This permit is based on information requested by the Indiana Department of Environmental Management (IDEM), Office of Air Quality (OAQ). The information describing the source contained in Conditions A.1 through A.3 is descriptive information and does not constitute enforceable conditions. However, the Permittee should be aware that a physical change or a change in the method of operation that may render this descriptive information obsolete or inaccurate may trigger requirements for the Permittee to obtain additional permits or seek modification of this permit pursuant to 326 IAC 2, or change other applicable requirements presented in the permit application.

A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-1(22)]

The Permittee owns and operates a stationary metal finishing source.

Responsible Official:	President
Source Address:	1615 Fletcher Avenue, Suite A, Fort Wayne, Indiana 46803
Mailing Address:	P.O. Box 11744, Fort Wayne, Indiana 46803
General Source Phone Number:	(260) 422-2494
SIC Code:	3479
County Location:	Allen
Source Location Status:	Nonattainment for ozone Attainment for all other criteria pollutants
Source Status:	Part 70 Operating Permit Program Minor Source, under PSD and Emission Offset Rules Major Source, Section 112 of the Clean Air Act

A.2 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]

This stationary source consists of the following emission units and pollution control devices:

- (a) One (1) small liquid line, identified as EU-1, for coating and finishing metal parts, constructed in November 1971, consisting of:
- (1) One (1) alkaline cleaner station, using only non-VOC materials, exhausting to stack 6.
 - (2) Two (2) water rinse tanks.
 - (3) One (1) phosphate washer, with a material replacement rate of 1 quart in each 6-hour period.
 - (4) One (1) sealer application station, with a material replacement rate of 0.5 gallon per eight-hour shift.
 - (5) One (1) spray water rinse.
 - (6) One (1) dryer, fired by natural gas, exhausting to stack 3, heat input capacity: 1.0 million British thermal units per hour.
 - (7) One (1) automated spray booth, identified as EU-1A, equipped with electrostatic disk spray applicators and dry filters for overspray control, exhausting to stacks 4 and 5, capacity: 68 metal parts and 12 gallons of paint per hour.
 - (8) One (1) curing oven, fired by natural gas, exhausting to stack 2, heat input capacity: 1.5 million British thermal units per hour.

Under NESHAP 40 CFR 63 Subpart M, units (4), (6), (7) and (8) are part of a

reconstructed affected miscellaneous metal surface coating source.

- (b) One (1) powder coat line, identified as EU-2, for coating and finishing metal parts, constructed in June 1997, consisting of:
- (1) One (1) alkaline cleaner station, using only non-VOC materials, exhausting to stacks 10 and 11.
 - (2) Two (2) water rinse tanks.
 - (3) One (1) phosphate washer, exhausting to stack 9, with a material replacement rate of 1 quart in each 6-hour period.
 - (4) One (1) sealer application station, exhausting to stack 8, with a material replacement rate of 0.5 gallon per eight-hour shift.
 - (5) One (1) spray water rinse.
 - (6) One (1) dry off oven, identified as EU-2A, fired by natural gas, exhausting to stack 7, heat input capacity: 2.5 million British thermal units per hour.
 - (7) One (1) curing oven, identified as EU-2C, fired by natural gas, exhausting to stack 1, heat input capacity: 3.5 million British thermal units per hour.
 - (8) One (1) powder spray booth, identified as EU-2B, using electro-deposition of coatings and a dry filter, not exhausting through a stack, capacity: 46 metal parts per hour and 5.75 pounds of coating per hour.

Under NESHAP 40 CFR 63 Subpart M, units (4), (6), and (7) are part of a reconstructed affected miscellaneous metal surface coating source.

- (c) One (1) large liquid line, identified as EU-5, for coating and finishing metal parts, with the ovens identified as EU-6, constructed in November 2005 through February 2006, consisting of the following:
- (1) One (1) primer booth, equipped with HVLP spray applicators and dry filters as overspray control, exhausting to stacks 18 and 19, capacity: 12 gallons of primer per hour.
 - (2) One (1) top coat booth, equipped with HVLP spray applicators and dry filters as overspray control, exhausting to stacks 16 and 17, capacity: 12 gallons of coatings per hour.
 - (3) One (1) primer oven, fired by natural gas, exhausting to stack 20, heat input capacity: 5.0 million British thermal units per hour.
 - (4) One (1) curing oven, fired by natural gas, exhausting to stack 15, heat input capacity: 6.0 million British thermal units per hour.

Under NESHAP 40 CFR 63 Subpart M, units (1), (2), (3) and (4) are part of a reconstructed affected miscellaneous metal surface coating source.

- (d) One (1) dip line, identified as EU-7, for coating and finishing metal parts, with the ovens identified as EU-8, constructed in September 2005 through November 2005, consisting of the following:
- (1) One (1) cleaner, using only non-VOC materials, exhausting to stack 24.

- (2) Two (2) water rinse tanks.
- (3) One (1) zinc phosphate operation, with a material replacement rate of 1 quart in each 6-hour period.
- (4) One (1) sealer application station, exhausting to stack 25, with a material replacement rate of 0.5 gallon per eight-hour shift.
- (5) One (1) drying oven, fired by steam.
- (6) One (1) curing oven, fired by natural gas, exhausting to stack 12, heat input capacity: 1.1 million British thermal units per hour.

Under NESHAP 40 CFR 63 Subpart M MMM, units (4), (5), and (6) are part of a reconstructed affected miscellaneous metal surface coating source.

- (e) One (1) tuff coat spray booth, identified as EU-9, for coating and finishing metal parts, constructed in December 2005, equipped with airless spray applicators, and dry filters as overspray control, exhausting to stack 26, capacity: 15 gallons of coatings per hour. Under NESHAP 40 CFR 63 Subpart M MMM, this facility is part of a reconstructed affected miscellaneous metal surface coating source.
- (f) One (1) batch oven for the tuff coat spray booth, identified as EU-12, constructed in January through February 2006, fired by natural gas, exhausting to stack 23, heat input capacity: 1.0 million British thermal units per hour. Under NESHAP 40 CFR 63 Subpart M MMM, this facility is part of a reconstructed affected miscellaneous metal surface coating source.
- (g) One (1) chrome line, identified as EU-10, constructed in January through February 2006, all exhausting to stack 21, consisting of the following:
 - (1) One (1) cleaner, using only non-VOC materials.
 - (2) Six (6) water rinse tanks.
 - (3) One (1) aluminum etching operation, using only non-VOC, non-HAP materials.
 - (4) One (1) de-oxidizing operation, with less than 1% hydrofluoric acid, with a material replacement rate of 0.5 gallon per eight-hour shift.
 - (5) One (1) chromate operation containing hydrofluoric acid, chromic acid and phosphoric acid, with a material replacement rate of 0.5 gallon per eight-hour shift.
- (h) One (1) burn-off oven, identified as EU-13, fired by natural gas, constructed in December 2005, exhausting to stack 22, heat input capacity: 2.5 million British thermal units per hour. Under NESHAP 40 CFR 63 Subpart M MMM, this facility is part of a reconstructed affected miscellaneous metal surface coating source.
- (i) One (1) boiler, identified as EU-3, used as a backup boiler, constructed in August 1964, fired by natural gas, exhausting to stack 13, heat input capacity: 25.2 million British thermal units per hour. Under NESHAP 40 CFR 63 Subpart D D D D D, this boiler is an existing large gaseous fuel unit.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]
This stationary source also includes the following insignificant activities which are specifically

regulated, as defined in 326 IAC 2-7-1(21):

Natural gas-fired combustion sources with heat input equal to or less than ten (10) million BTU per hour, including:

- (a) One (1) boiler, identified as EU-14, constructed in 2004, fired by natural gas, heat input capacity: 0.000960 million British thermal units per hour. Under NESHAP 40 CFR 63 Subpart DDDDD, this boiler is an existing small gaseous fuel unit.
- (b) One (1) boiler, identified as EU-4, constructed in 2006, fired by natural gas, exhausting to stack 14, heat input capacity: 1.0 million British thermal units per hour. Under NESHAP 40 CFR 63 Subpart DDDDD, this boiler is a new small gaseous fuel unit.

A.4 Part 70 Permit Applicability [326 IAC 2-7-2]

This stationary source is required to have a Part 70 Permit by 326 IAC 2-7-2 (Applicability) because:

- (a) It is a major source, as defined in 326 IAC 2-7-1(22);
- (b) It is a source in a source category designated by the United States Environmental Protection Agency (U.S. EPA) under 40 CFR 70.3 (Part 70 - Applicability).

SECTION B GENERAL CONDITIONS

B.1 Definitions [326 IAC 2-7-1]

Terms in this permit shall have the definition assigned to such terms in the referenced regulation. In the absence of definitions in the referenced regulation, the applicable definitions found in the statutes or regulations (IC 13-11, 326 IAC 1-2 and 326 IAC 2-7) shall prevail.

B.2 Permit Term [326 IAC 2-7-5(2)] [326 IAC 2-1.1-9.5] [326 IAC 2-7-4(a)(1)(D)] [IC 13-15-3-6(a)]

- (a) This permit, 003-22489-00329, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.
- (b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

B.3 Term of Conditions [326 IAC 2-1.1-9.5]

Notwithstanding the permit term of a permit to construct, a permit to operate, or a permit modification, any condition established in a permit issued pursuant to a permitting program approved in the state implementation plan shall remain in effect until:

- (a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or
- (b) the emission unit to which the condition pertains permanently ceases operation.

B.4 Enforceability [326 IAC 2-7-7]

Unless otherwise stated, all terms and conditions in this permit, including any provisions designed to limit the source's potential to emit, are enforceable by IDEM, the United States Environmental Protection Agency (U.S. EPA) and by citizens in accordance with the Clean Air Act.

B.5 Severability [326 IAC 2-7-5(5)]

The provisions of this permit are severable; a determination that any portion of this permit is invalid shall not affect the validity of the remainder of the permit.

B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]

This permit does not convey any property rights of any sort or any exclusive privilege.

B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]

- (a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.
- (b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U.S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

B.8 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)(C)]

- (a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by the "responsible official" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
- (b) One (1) certification shall be included, using the attached Certification Form, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.
- (c) the "responsible official" is defined at 326 IAC 2-7-1(34).

B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]

- (a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All certifications shall cover the time period from January 1 to December 31 of the previous year, and shall be submitted no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Air Enforcement Branch - Indiana (AE-17J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

- (b) The annual compliance certification report required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) The annual compliance certification report shall include the following:
 - (1) The appropriate identification of each term or condition of this permit that is the basis of the certification;
 - (2) The compliance status;
 - (3) Whether compliance was continuous or intermittent;
 - (4) The methods used for determining the compliance status of the source, currently and over the reporting period consistent with 326 IAC 2-7-5(3); and
 - (5) Such other facts, as specified in Sections D of this permit, as IDEM, OAQ may require to determine the compliance status of the source.

The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

B.10 Preventive Maintenance Plan [326 IAC 2-7-5(1),(3) and (13)] [326 IAC 2-7-6(1) and (6)] [326 IAC 1-6-3]

- (a) If required by specific condition(s) in Section D of this permit, the Permittee shall maintain and implement Preventive Maintenance Plans (PMPs) including the following information on each facility:
- (1) Identification of the individual(s) responsible for inspecting, maintaining, and repairing emission control devices;
 - (2) A description of the items or conditions that will be inspected and the inspection schedule for said items or conditions; and
 - (3) Identification and quantification of the replacement parts that will be maintained in inventory for quick replacement.
- (b) A copy of the PMPs shall be submitted to IDEM, OAQ upon request and within a reasonable time, and shall be subject to review and approval by IDEM, OAQ. IDEM, OAQ may require the Permittee to revise its PMPs whenever lack of proper maintenance causes or is the primary contributor to an exceedance of any limitation on emissions or potential to emit. The PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

B.11 Emergency Provisions [326 IAC 2-7-16]

- (a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.
- (b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:
- (1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;
 - (4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865
 - (5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

within two (2) working days of the time when emission limitations were exceeded due to the emergency.

The notice fulfills the requirement of 326 IAC 2-7-5(3)(C)(ii) and must contain the following:

- (A) A description of the emergency;
- (B) Any steps taken to mitigate the emissions; and
- (C) Corrective actions taken.

The notification which shall be submitted by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (6) The Permittee immediately took all reasonable steps to correct the emergency.
- (c) In any enforcement proceeding, the Permittee seeking to establish the occurrence of an emergency has the burden of proof.
- (d) This emergency provision supersedes 326 IAC 1-6 (Malfunctions). This permit condition is in addition to any emergency or upset provision contained in any applicable requirement.
- (e) The Permittee seeking to establish the occurrence of an emergency shall make records available upon request to ensure that failure to implement a PMP did not cause or contribute to an exceedance of any limitations on emissions. However, IDEM, OAQ may require that the Preventive Maintenance Plans required under 326 IAC 2-7-4(c)(9) be revised in response to an emergency.
- (f) Failure to notify IDEM, OAQ by telephone or facsimile of an emergency lasting more than one (1) hour in accordance with (b)(4) and (5) of this condition shall constitute a violation of 326 IAC 2-7 and any other applicable rules.
- (g) If the emergency situation causes a deviation from a technology-based limit, the Permittee may continue to operate the affected emitting facilities during the emergency provided the Permittee immediately takes all reasonable steps to correct the emergency and minimize emissions.
- (h) The Permittee shall include all emergencies in the Quarterly Deviation and Compliance Monitoring Report.

B.12 Permit Shield [326 IAC 2-7-15] [326 IAC 2-7-20] [326 IAC 2-7-12]

- (a) Pursuant to 326 IAC 2-7-15, the Permittee has been granted a permit shield. The permit shield provides that compliance with the conditions of this permit shall be deemed compliance with any applicable requirements as of the date of permit issuance, provided that either the applicable requirements are included and specifically identified in this permit or the permit contains an explicit determination or concise summary of a determination that other specifically identified requirements are not applicable. The Indiana statutes from IC 13 and rules from 326 IAC, referenced in conditions in this permit, are those applicable at the time the permit was issued. The issuance or possession of this permit shall not alone constitute a

defense against an alleged violation of any law, regulation or standard, except for the requirement to obtain a Part 70 permit under 326 IAC 2-7 or for applicable requirements for which a permit shield has been granted.

This permit shield does not extend to applicable requirements which are promulgated after the date of issuance of this permit unless this permit has been modified to reflect such new requirements.

- (b) If, after issuance of this permit, it is determined that the permit is in nonconformance with an applicable requirement that applied to the source on the date of permit issuance, IDEM, OAQ shall immediately take steps to reopen and revise this permit and issue a compliance order to the Permittee to ensure expeditious compliance with the applicable requirement until the permit is reissued. The permit shield shall continue in effect so long as the Permittee is in compliance with the compliance order.
- (c) No permit shield shall apply to any permit term or condition that is determined after issuance of this permit to have been based on erroneous information supplied in the permit application. Erroneous information means information that the Permittee knew to be false, or in the exercise of reasonable care should have been known to be false, at the time the information was submitted.
- (d) Nothing in 326 IAC 2-7-15 or in this permit shall alter or affect the following:
 - (1) The provisions of Section 303 of the Clean Air Act (emergency orders), including the authority of the U.S. EPA under Section 303 of the Clean Air Act;
 - (2) The liability of the Permittee for any violation of applicable requirements prior to or at the time of this permit's issuance;
 - (3) The applicable requirements of the acid rain program, consistent with Section 408(a) of the Clean Air Act; and
 - (4) The ability of U.S. EPA to obtain information from the Permittee under Section 114 of the Clean Air Act.
- (e) This permit shield is not applicable to any change made under 326 IAC 2-7-20(b)(2) (Sections 502(b)(10) of the Clean Air Act changes) and 326 IAC 2-7-20(c)(2) (trading based on State Implementation Plan (SIP) provisions).
- (f) This permit shield is not applicable to modifications eligible for group processing until after IDEM, OAQ has issued the modifications. [326 IAC 2-7-12(c)(7)]
- (g) This permit shield is not applicable to minor Part 70 permit modifications until after IDEM, OAQ has issued the modification. [326 IAC 2-7-12(b)(8)]

B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5] [326 IAC 2-7-10.5]

- (a) All terms and conditions of permits established prior to 003-22489-00329 and issued pursuant to permitting programs approved into the state implementation plan have been either:
 - (1) incorporated as originally stated,
 - (2) revised under 326 IAC 2-7-10.5, or
 - (3) deleted under 326 IAC 2-7-10.5.

- (b) Provided that all terms and conditions are accurately reflected in this combined permit, all previous registrations and permits are superseded by this combined new source review and part 70 operating permit.

B.14 Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]

The Permittee's right to operate this source terminates with the expiration of this permit unless a timely and complete renewal application is submitted at least nine (9) months prior to the date of expiration of the source's existing permit, consistent with 326 IAC 2-7-3 and 326 IAC 2-7-4(a).

B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]

- (a) Deviations from any permit requirements (for emergencies see Section B - Emergency Provisions), the probable cause of such deviations, and any response steps or preventive measures taken shall be reported to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

using the attached Quarterly Deviation and Compliance Monitoring Report, or its equivalent. A deviation required to be reported pursuant to an applicable requirement that exists independent of this permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report.

The Quarterly Deviation and Compliance Monitoring Report does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) A deviation is an exceedance of a permit limitation or a failure to comply with a requirement of the permit.

B.16 Permit Modification, Reopening, Revocation and Reissuance, or Termination [326 IAC 2-7-5(6)(C)] [326 IAC 2-7-8(a)] [326 IAC 2-7-9]

- (a) This permit may be modified, reopened, revoked and reissued, or terminated for cause. The filing of a request by the Permittee for a Part 70 Operating Permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated non-compliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) This permit shall be reopened and revised under any of the circumstances listed in IC 13-15-7-2 or if IDEM, OAQ determines any of the following:

- (1) That this permit contains a material mistake.
- (2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.
- (3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

- (c) Proceedings by IDEM, OAQ to reopen and revise this permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of this permit for which cause to reopen exists. Such reopening and revision shall be made as expeditiously as practicable. [326 IAC 2-7-9(b)]

- (d) The reopening and revision of this permit, under 326 IAC 2-7-9(a), shall not be initiated before notice of such intent is provided to the Permittee by IDEM, OAQ at least thirty (30) days in advance of the date this permit is to be reopened, except that IDEM, OAQ may provide a shorter time period in the case of an emergency. [326 IAC 2-7-9(c)]

B.17 Permit Renewal [326 IAC 2-7-3] [326 IAC 2-7-4] [326 IAC 2-7-8(e)]

- (a) The application for renewal shall be submitted using the application form or forms prescribed by IDEM, OAQ and shall include the information specified in 326 IAC 2-7-4. Such information shall be included in the application for each emission unit at this source, except those emission units included on the trivial or insignificant activities list contained in 326 IAC 2-7-1(21) and 326 IAC 2-7-1(40). The renewal application does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

- (b) A timely renewal application is one that is:
- (1) Submitted at least nine (9) months prior to the date of the expiration of this permit; and
 - (2) If the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (c) If the Permittee submits a timely and complete application for renewal of this permit, the source's failure to have a permit is not a violation of 326 IAC 2-7 until IDEM, OAQ takes final action on the renewal application, except that this protection shall cease to apply if, subsequent to the completeness determination, the Permittee fails to submit by the deadline specified in writing by IDEM, OAQ any additional information identified as being needed to process the application.

B.18 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12] [40 CFR 72]

- (a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.
- (b) Any application requesting an amendment or modification of this permit shall be submitted to:
- Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
- Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12(b)(2)]

- (a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.
- (b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

B.20 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]

- (a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b),(c), or (e) without a prior permit revision, if each of the following conditions is met:
 - (1) The changes are not modifications under any provision of Title I of the Clean Air Act;
 - (2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;
 - (3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);
 - (4) The Permittee notifies the:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

and

United States Environmental Protection Agency, Region V
Air and Radiation Division, Regulation Development Branch - Indiana (AR-18J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and
 - (5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b),(c), or (e). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-7-20(b)(1), (c)(1), and (e)(2).
- (b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

- (1) A brief description of the change within the source;
- (2) The date on which the change will occur;
- (3) Any change in emissions; and
- (4) Any permit term or condition that is no longer applicable as a result of the change.

The notification which shall be submitted is not considered an application form, report or compliance certification. Therefore, the notification by the Permittee does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).
- (d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.
- (e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

B.21 Source Modification Requirement [326 IAC 2-7-10.5]

A modification, construction, or reconstruction is governed by the requirements of 326 IAC 2 and 326 IAC 2-7-10.5.

B.22 Inspection and Entry [326 IAC 2-7-6] [IC 13-14-2-2] [IC 13-30-3-1] [IC 13-17-3-2]

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee's right under all applicable laws and regulations to assert that the information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

- (a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;
- (b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;
- (c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;
- (d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and
- (e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]

- (a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.
- (b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:
- Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
- The application which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11(c)(3)]

B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)] [326 IAC 2-1.1-7]

- (a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.
- (b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.
- (c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

B.25 Credible Evidence [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [62 FR 8314] [326 IAC 1-1-6]

For the purpose of submitting compliance certifications or establishing whether or not the Permittee has violated or is in violation of any condition of this permit, nothing in this permit shall preclude the use, including the exclusive use, of any credible evidence or information relevant to whether the Permittee would have been in compliance with the condition of this permit if the appropriate performance or compliance test or procedure had been performed.

SECTION C SOURCE OPERATION CONDITIONS

Entire Source

Emission Limitations and Standards [326 IAC 2-7-5(1)]

C.1 Particulate Emission Limitations For Processes with Process Weight Rates Less Than One Hundred (100) Pounds per Hour [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e)(2), particulate emissions from any process not exempt under 326 IAC 6-3-1(b) or (c) which has a maximum process weight rate less than 100 pounds per hour and the methods in 326 IAC 6-3-2(b) through (d) do not apply shall not exceed 0.551 pounds per hour.

C.2 Opacity [326 IAC 5-1]

Pursuant to 326 IAC 5-1-2 (Opacity Limitations), except as provided in 326 IAC 5-1-3 (Temporary Alternative Opacity Limitations), opacity shall meet the following, unless otherwise stated in this permit:

- (a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.
- (b) Opacity shall not exceed sixty percent (60%) for more than a cumulative total of fifteen (15) minutes (sixty (60) readings as measured according to 40 CFR 60, Appendix A, Method 9 or fifteen (15) one (1) minute nonoverlapping integrated averages for a continuous opacity monitor) in a six (6) hour period.

C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]

The Permittee shall not open burn any material except as provided in 326 IAC 4-1-3, 326 IAC 4-1-4 or 326 IAC 4-1-6. The previous sentence notwithstanding, the Permittee may open burn in accordance with an open burning approval issued by the Commissioner under 326 IAC 4-1-4.1.

C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]

The Permittee shall not operate an incinerator or incinerate any waste or refuse except as provided in 326 IAC 4-2 and 326 IAC 9-1-2.

C.5 Fugitive Dust Emissions [326 IAC 6-4]

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions).

C.6 Stack Height [326 IAC 1-7]

The Permittee shall comply with the applicable provisions of 326 IAC 1-7 (Stack Height Provisions), for all exhaust stacks through which a potential (before controls) of twenty-five (25) tons per year or more of particulate matter or sulfur dioxide is emitted by using ambient air quality modeling pursuant to 326 IAC 1-7-4.

C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

- (a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 260 linear feet on pipes or 160 square feet on other facility components, or at least thirty-five (35) cubic feet on all facility components, then the notification requirements of 326 IAC 14-10-3 are mandatory. All demolition projects require notification whether or not asbestos is present.

- (b) The Permittee shall ensure that a written notification is sent on a form provided by the Commissioner at least ten (10) working days before asbestos stripping or removal work or before demolition begins, per 326 IAC 14-10-3, and shall update such notice as necessary, including, but not limited to the following:
 - (1) When the amount of affected asbestos containing material increases or decreases by at least twenty percent (20%); or
 - (2) If there is a change in the following:
 - (A) Asbestos removal or demolition start date;
 - (B) Removal or demolition contractor; or
 - (C) Waste disposal site.
- (c) The Permittee shall ensure that the notice is postmarked or delivered according to the guidelines set forth in 326 IAC 14-10-3(2).
- (d) The notice to be submitted shall include the information enumerated in 326 IAC 14-10-3(3).

All required notifications shall be submitted to:

Indiana Department of Environmental Management
Asbestos Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

The notice shall include a signed certification from the owner or operator that the information provided in this notification is correct and that only Indiana licensed workers and project supervisors will be used to implement the asbestos removal project. The notifications do not require a certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (e) **Procedures for Asbestos Emission Control**
The Permittee shall comply with the applicable emission control procedures in 326 IAC 14-10-4 and 40 CFR 61.145(c). Per 326 IAC 14-10-1, emission control requirements are applicable for any removal or disturbance of RACM greater than three (3) linear feet on pipes or three (3) square feet on any other facility components or a total of at least 0.75 cubic feet on all facility components.
- (f) **Demolition and Renovation**
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).
- (g) **Indiana Accredited Asbestos Inspector**
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

Testing Requirements [326 IAC 2-7-6(1)]

C.8 Performance Testing [326 IAC 3-6]

- (a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling)

Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

A test protocol, except as provided elsewhere in this permit, shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

no later than thirty-five (35) days prior to the intended test date. The protocol submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

Compliance Requirements [326 IAC 2-1.1-11]

C.9 Compliance Requirements [326 IAC 2-1.1-11]

The commissioner may require stack testing, monitoring, or reporting at any time to assure compliance with all applicable requirements by issuing an order under 326 IAC 2-1.1-11. Any monitoring or testing shall be performed in accordance with 326 IAC 3 or other methods approved by the commissioner or the U.S. EPA.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]

C.10 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

Unless otherwise specified in this permit, all monitoring and record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance. If required by Section D, the Permittee shall be responsible for installing any necessary equipment and initiating any required monitoring related to that equipment. If due to circumstances beyond its control, that equipment cannot be installed and operated within ninety (90) days, the Permittee may extend the compliance schedule related to the equipment for an additional ninety (90) days provided the Permittee notifies:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

in writing, prior to the end of the initial ninety (90) day compliance schedule, with full justification of the reasons for the inability to meet this date.

The notification which shall be submitted by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for

new emission units or emission units added through a source modification shall be implemented when operation begins.

C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Any monitoring or testing required by Section D of this permit shall be performed according to the provisions of 326 IAC 3, 40 CFR 60, Appendix A, 40 CFR 60 Appendix B, 40 CFR 63, or other approved methods as specified in this permit.

Corrective Actions and Response Steps [326 IAC 2-7-5] [326 IAC 2-7-6]

C.12 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

If a regulated substance, as defined in 40 CFR 68, is present at a source in more than a threshold quantity, the Permittee must comply with the applicable requirements of 40 CFR 68.

C.13 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

(a) Upon detecting an excursion or exceedance, the Permittee shall restore operation of the emissions unit (including any control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

(b) The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions). Corrective actions may include, but are not limited to, the following:

- (1) initial inspection and evaluation
- (2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or
- (3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

(c) A determination of whether the Permittee has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include, but is not limited to, the following:

- (1) monitoring results;
- (2) review of operation and maintenance procedures and records;
- (3) inspection of the control device, associated capture system, and the process.

(d) Failure to take reasonable response steps shall be considered a deviation from the permit.

(e) The Permittee shall maintain the following records:

- (1) monitoring data;
- (2) monitor performance data, if applicable; and
- (3) corrective actions taken.

C.14 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

- (a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.
- (b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one-hundred and twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.
- (c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

The response action documents submitted pursuant to this condition do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

C.15 Emission Statement [326 IAC 2-7-5(3)(C)(iii)] [326 IAC 2-7-5(7)] [326 IAC 2-7-19(c)] [326 IAC 2-6]

- (a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 2007 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:
 - (1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);
 - (2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

The emission statement does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

- (b) The emission statement required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

C.16 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]

- (a) Records of all required monitoring data, reports and support information required by this permit shall be retained for a period of at least five (5) years from the date of monitoring sample, measurement, report, or application. These records shall be physically present or electronically accessible at the source location for a minimum of three (3) years. The records may be stored elsewhere for the remaining two (2) years as long as they are available upon request. If the Commissioner makes a request for records to the Permittee, the Permittee

shall furnish the records to the Commissioner within a reasonable time.

- (b) Unless otherwise specified in this permit, all record keeping requirements not already legally required shall be implemented within ninety (90) days of permit issuance.

C.17 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]

- (a) The Permittee shall submit the attached Quarterly Deviation and Compliance Monitoring Report or its equivalent. Any deviation from permit requirements, the date(s) of each deviation, the cause of the deviation, and the response steps taken must be reported. This report shall be submitted within thirty (30) days of the end of the reporting period. The Quarterly Deviation and Compliance Monitoring Report shall include the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
- (c) Unless otherwise specified in this permit, any notice, report, or other submission required by this permit shall be considered timely if the date postmarked on the envelope or certified mail receipt, or affixed by the shipper on the private shipping receipt, is on or before the date it is due. If the document is submitted by any other means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.
- (d) Unless otherwise specified in this permit, all reports required in Section D of this permit shall be submitted within thirty (30) days of the end of the reporting period. All reports do require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).
- (e) Reporting periods are based on calendar years, unless otherwise specified in this permit. For the purpose of this permit "calendar year" means the twelve (12) month period from January 1 to December 31 inclusive.
- (f) The Permittee shall make the information required to be documented and maintained in accordance with (c) in Section C - General Record Keeping Requirements available for review upon a request for inspection by IDEM, OAQ. The general public may request this information from the IDEM, OAQ under 326 IAC 17.1.

Stratospheric Ozone Protection

C.18 Compliance with 40 CFR 82 and 326 IAC 22-1

Pursuant to 40 CFR 82 (Protection of Stratospheric Ozone), Subpart F, except as provided for motor vehicle air conditioners in Subpart B, the Permittee shall comply with the standards for recycling and emissions reduction:

- (a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
- (b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
- (c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

SECTION D.1

EMISSIONS UNIT OPERATION CONDITIONS

Emissions Unit Description: Process Operations

- (a) One (1) small liquid line, identified as EU-1, for coating and finishing metal parts, constructed in November 1971, consisting of:
- (1) One (1) alkaline cleaner station, using only non-VOC materials, exhausting to stack 6.
 - (2) Two (2) water rinse tanks.
 - (3) One (1) phosphate washer, with a material replacement rate of 1 quart in each 6-hour period.
 - (4) One (1) sealer application station, with a material replacement rate of 0.5 gallon per eight-hour shift.
 - (5) One (1) spray water rinse.
 - (6) One (1) dryer, fired by natural gas, exhausting to stack 3, heat input capacity: 1.0 million British thermal units per hour.
 - (7) One (1) automated spray booth, identified as EU-1A, equipped with electrostatic disk spray applicators and dry filters for overspray control, exhausting to stacks 4 and 5, capacity: 68 metal parts and 12 gallons of paint per hour.
 - (8) One (1) curing oven, fired by natural gas, exhausting to stack 2, heat input capacity: 1.5 million British thermal units per hour.

Under NESHAP 40 CFR 63 Subpart M, units (4), (6), (7) and (8) are part of a reconstructed affected miscellaneous metal surface coating source.

- (b) One (1) powder coat line, identified as EU-2, for coating and finishing metal parts, constructed in June 1997, consisting of:
- (1) One (1) alkaline cleaner station, using only non-VOC materials, exhausting to stacks 10 and 11.
 - (2) Two (2) water rinse tanks.
 - (3) One (1) phosphate washer, exhausting to stack 9, with a material replacement rate of 1 quart in each 6-hour period.
 - (4) One (1) sealer application station, exhausting to stack 8, with a material replacement rate of 0.5 gallon per eight-hour shift.
 - (5) One (1) spray water rinse.
 - (6) One (1) dry off oven, identified as EU-2A, fired by natural gas, exhausting to stack 7, heat input capacity: 2.5 million British thermal units per hour.
 - (7) One (1) curing oven, identified as EU-2C, fired by natural gas, exhausting to stack 1, heat input capacity: 3.5 million British thermal units per hour.
 - (8) One (1) powder spray booth, identified as EU-2B, using electro-deposition of coatings and

a dry filter, not exhausting through a stack, capacity: 46 metal parts per hour and 5.75 pounds of coating per hour.

Under NESHAP 40 CFR 63 Subpart M MMM, units (4), (6), and (7) are part of a reconstructed affected miscellaneous metal surface coating source.

(c) One (1) large liquid line, identified as EU-5, for coating and finishing metal parts, with the ovens identified as EU-6, constructed in November 2005 through February 2006, consisting of the following:

- (1) One (1) primer booth, equipped with HVLP spray applicators and dry filters as overspray control, exhausting to stacks 18 and 19, capacity: 12 gallons of primer per hour.
- (2) One (1) top coat booth, equipped with HVLP spray applicators and dry filters as overspray control, exhausting to stacks 16 and 17, capacity: 12 gallons of coatings per hour.
- (3) One (1) primer oven, fired by natural gas, exhausting to stack 20, heat input capacity: 5.0 million British thermal units per hour.
- (4) One (1) curing oven, fired by natural gas, exhausting to stack 15, heat input capacity: 6.0 million British thermal units per hour.

Under NESHAP 40 CFR 63 Subpart M MMM, units (1), (2), (3) and (4) are part of a reconstructed affected miscellaneous metal surface coating source.

(d) One (1) dip line, identified as EU-7, for coating and finishing metal parts, with the ovens identified as EU-8, constructed in September 2005 through November 2005, consisting of the following:

- (1) One (1) cleaner, using only non-VOC materials, exhausting to stack 24.
- (2) Two (2) water rinse tanks.
- (3) One (1) zinc phosphate operation, with a material replacement rate of 1 quart in each 6-hour period.
- (4) One (1) sealer application station, exhausting to stack 25, with a material replacement rate of 0.5 gallon per eight-hour shift.
- (5) One (1) drying oven, fired by steam.
- (6) One (1) curing oven, fired by natural gas, exhausting to stack 12, heat input capacity: 1.1 million British thermal units per hour.

Under NESHAP 40 CFR 63 Subpart M MMM, units (4), (5), and (6) are part of a reconstructed affected miscellaneous metal surface coating source.

(e) One (1) tuff coat spray booth, identified as EU-9, for coating and finishing metal parts, constructed in December 2005, equipped with airless spray applicators, and dry filters as overspray control, exhausting to stack 26, capacity: 15 gallons of coatings per hour. Under NESHAP 40 CFR 63 Subpart M MMM, this facility is part of a reconstructed affected miscellaneous metal surface coating source.

(f) One (1) batch oven for the tuff coat spray booth, identified as EU-12, constructed in January through February 2006, fired by natural gas, exhausting to stack 23, heat input capacity: 1.0 million British thermal units per hour. Under NESHAP 40 CFR 63 Subpart M MMM, this facility is part of a

	reconstructed affected miscellaneous metal surface coating source.
(g)	One (1) chrome line, identified as EU-10, constructed in January through February 2006, all exhausting to stack 21, consisting of the following: (1) One (1) cleaner, using only non-VOC materials. (2) Six (6) water rinse tanks. (3) One (1) aluminum etching operation, using only non-VOC, non-HAP materials. (4) One (1) de-oxidizing operation, with less than 1% hydrofluoric acid, with a material replacement rate of 0.5 gallon per eight-hour shift. (5) One (1) chromate operation containing hydrofluoric acid, chromic acid and phosphoric acid, with a material replacement rate of 0.5 gallon per eight-hour shift.
(h)	One (1) burn-off oven, identified as EU-13, fired by natural gas, constructed in December 2005, exhausting to stack 22, heat input capacity: 2.5 million British thermal units per hour. Under NESHAP 40 CFR 63 Subpart M, this facility is part of a reconstructed affected miscellaneous metal surface coating source.
(The information describing the process contained in this emissions unit description box is descriptive information and does not constitute enforceable conditions.)	

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.1.1 Volatile Organic Compounds (VOC) [326 IAC 8-2-9]

Pursuant to 326 IAC 8-2-9, the owner or operator of the one (1) primer booth at EU-5, the one (1) top coat booth at EU-5, and the one (1) tuff coat spray booth, identified as EU-9, shall not allow the discharge into the atmosphere VOC in excess of three and five-tenths (3.5) pounds of VOC per gallon of coating, excluding water, as delivered to the applicators.

D.1.2 Volatile Organic Compounds (VOC) Limitations, Clean-up Requirements [326 IAC 8-2-9(f)]

Pursuant to 326 IAC 8-2-9(f), all solvents sprayed from the application equipment of the one (1) primer booth at EU-5, the one (1) top coat booth at EU-5, and the one (1) tuff coat spray booth, identified as EU-9, during cleanup or color changes shall be directed into containers. Said containers shall be closed as soon as the solvent spraying is complete. In addition, all waste solvent shall be disposed of in such a manner that minimizes evaporation.

D.1.3 Volatile Organic Compounds (VOC) Minor Source Limit [326 IAC 2-3]

The VOC usage, including coatings, dilution solvents, and cleaning solvents, at the one (1) automated spray booth, identified as EU-1A, the one (1) primer booth at EU-5, the one (1) top coat booth at EU-5, and the one (1) tuff coat spray booth, identified as EU-9, shall not exceed 97.5 tons per consecutive twelve (12) month period, with compliance determined at the end of each month. This limits VOC emissions to 97.5 tons per year from the spray booths, and renders the requirements of 326 IAC 2-3, Emission Offset, not applicable based on VOC emissions.

D.1.4 Particulate [326 IAC 6-3-2(d)] [326 IAC 2-2]

Pursuant to 326 IAC 6-3-2(d), particulate from the one (1) automated spray booth, identified as EU-1A, the one (1) primer booth at EU-5, the one (1) top coat booth at EU-5, the one (1) tuff coat spray booth, identified as EU-9, and the one (1) powder spray booth, identified as EU-2B, shall be controlled by a dry particulate filter, waterwash, or an equivalent control device, and the Permittee shall operate the control device in accordance with manufacturer's specifications. This also renders the

requirements of 326 IAC 2-2, PSD, not applicable based on PM and PM₁₀ emissions.

D.1.5 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the one (1) automated spray booth, identified as EU-1A, the one (1) primer booth at EU-5, the one (1) top coat booth at EU-5, the one (1) tuff coat spray booth, identified as EU-9, and the one (1) powder spray booth, identified as EU-2B, and any control devices.

Compliance Determination Requirements

D.1.6 Volatile Organic Compounds (VOC) [326 IAC 8-1-2] [326 IAC 8-1-4]

Compliance with the VOC content and usage limitations contained in Conditions D.1.1 and D.1.3 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]

D.1.7 Monitoring

- (a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating booth stacks (stacks 4, 5, 16, 17, 18 and 19) while one or more of the booths exhausting to that stack are in operation. If a condition exists which should result in a response step, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.
- (b) Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. If a condition exists which should result in a response step, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.1.8 Record Keeping Requirements

- (a) To document compliance with Conditions D.1.1 and D.1.3, the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC emission limits established in Conditions D.1.1 and D.1.3. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
 - (1) The VOC content of each coating material and solvent used.
 - (2) The amount of coating material and solvent less water used on monthly basis.
 - (A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.

- (B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents.
- (3) The cleanup solvent usage for each month.
- (4) The total amount of VOC used each month; and
- (5) The weight of VOC emitted for each compliance period.
- (b) To document compliance with Condition D.1.7, the Permittee shall maintain a log of weekly overspray observations, and daily and monthly inspections.
- (c) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.9 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.3 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does not require the certification by an "authorized individual" as defined by 326 IAC 2-1.1-1(1).

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]

D.1.10 General Provisions Relating to NESHAP MMMM [326 IAC 20-1] [40 CFR Part 63, Subpart A]

Pursuant to 40 CFR 63.3901, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1-1 as specified in Table 2 of 40 CFR Part 63, Subpart MMMM in accordance with schedule in 40 CFR 63 Subpart MMMM for the facilities identified as part of the reconstructed affected miscellaneous metal surface coating source in Condition D.1.11.

D.1.11 NESHAP MMMM Requirements [40 CFR Part 63, Subpart MMMM]

Pursuant to CFR Part 63, Subpart MMMM, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart MMMM, for the facilities identified as part of a reconstructed affected miscellaneous metal surface coating source, of the following:

- (a) One (1) small liquid line, identified as EU-1, constructed in November 1971, consisting of:
 - (1) One (1) alkaline cleaner station, using only non-VOC materials, exhausting to stack 6.
 - (2) Two (2) water rinse tanks.
 - (3) One (1) phosphate washer, with a material replacement rate of 1 quart in each 6-hour period.
 - (4) One (1) sealer application station, with a material replacement rate of 0.5 gallon per eight-hour shift.
 - (5) One (1) spray water rinse.
 - (6) One (1) dryer, fired by natural gas, exhausting to stack 3, heat input capacity: 1.0 million British thermal units per hour.
 - (7) One (1) automated spray booth, identified as EU-1A, equipped with electrostatic disk

spray applicators and dry filters for overspray control, exhausting to stacks 4 and 5, capacity: 68 metal parts and 12 gallons of paint per hour.

- (8) One (1) curing oven, fired by natural gas, exhausting to stack 2, heat input capacity: 1.5 million British thermal units per hour.

Under NESHAP 40 CFR 63 Subpart M, (4), (6), (7) and (8) are part of a reconstructed affected miscellaneous metal surface coating source.

- (b) One (1) powder coat line, identified as EU-2, constructed in June 1997, consisting of:

- (1) One (1) alkaline cleaner station, using only non-VOC materials, exhausting to stacks 10 and 11.
- (2) Two (2) water rinse tanks.
- (3) One (1) phosphate washer, exhausting to stack 9, with a material replacement rate of 1 quart in each 6-hour period.
- (4) One (1) sealer application station, exhausting to stack 8, with a material replacement rate of 0.5 gallon per eight-hour shift.
- (5) One (1) spray water rinse.
- (6) One (1) dry off oven, identified as EU-2A, fired by natural gas, exhausting to stack 7, heat input capacity: 2.5 million British thermal units per hour.
- (7) One (1) curing oven, identified as EU-2C, fired by natural gas, exhausting to stack 1, heat input capacity: 3.5 million British thermal units per hour.
- (8) One (1) powder spray booth, identified as EU-2B, using electro-deposition of coatings and a dry filter, not exhausting through a stack, capacity: 46 metal parts per hour and 5.75 pounds of coating per hour.

Under NESHAP 40 CFR 63 Subpart M, (4), (6), and (7) are part of a reconstructed affected miscellaneous metal surface coating source.

- (c) One (1) large liquid line, identified as EU-5, with the ovens identified as EU-6, constructed in November 2005 through February 2006, consisting of the following:

- (1) One (1) primer booth, equipped with HVLP spray applicators and dry filters as overspray control, exhausting to stacks 18 and 19, capacity: 12 gallons of primer per hour.
- (2) One (1) top coat booth, equipped with HVLP spray applicators and dry filters as overspray control, exhausting to stacks 16 and 17, capacity: 12 gallons of coatings per hour.
- (3) One (1) primer oven, fired by natural gas, exhausting to stack 20, heat input capacity: 5.0 million British thermal units per hour.
- (4) One (1) curing oven, fired by natural gas, exhausting to stack 15, heat input capacity: 6.0 million British thermal units per hour.

Under NESHAP 40 CFR 63 Subpart M, (1), (2), (3) and (4) are part of a reconstructed

affected miscellaneous metal surface coating source.

- (d) One (1) dip line, identified as EU-7, with the ovens identified as EU-8, constructed in September through November 2005, consisting of the following:
- (1) One (1) cleaner, using only non-VOC materials, exhausting to stack 24.
 - (2) Two (2) water rinse tanks.
 - (3) One (1) zinc phosphate operation, with a material replacement rate of 1 quart in each 6-hour period.
 - (4) One (1) sealer application station, exhausting to stack 25, with a material replacement rate of 0.5 gallon per eight-hour shift.
 - (5) One (1) drying oven, fired by steam.
 - (6) One (1) curing oven, fired by natural gas, exhausting to stack 12, heat input capacity: 1.1 million British thermal units per hour.

Under NESHAP 40 CFR 63 Subpart Mmmm, (4), (5), and (6) are part of a reconstructed affected miscellaneous metal surface coating source.

- (e) One (1) tuff coat spray booth, identified as EU-9, constructed in December 2005, equipped with airless spray applicators, and dry filters as overspray control, exhausting to stack 26, capacity: 15 gallons of coatings per hour. Under NESHAP 40 CFR 63 Subpart Mmmm, this facility is part of a reconstructed affected miscellaneous metal surface coating source.
- (f) One (1) batch oven for the tuff coat spray booth, identified as EU-12, constructed in January through February 2006, fired by natural gas, heat input capacity: 1.0 million British thermal units per hour. Under NESHAP 40 CFR 63 Subpart Mmmm, this facility is part of a reconstructed affected miscellaneous metal surface coating source.
- (g) One (1) burn-off oven, identified as EU-13, fired by natural gas, constructed in December 2005, exhausting to stack 22, heat input capacity: 2.5 million British thermal units per hour. Under NESHAP 40 CFR 63 Subpart Mmmm, this facility is part of a reconstructed affected miscellaneous metal surface coating source.

§ 63.3880 What is the purpose of this subpart?

This subpart establishes national emission standards for hazardous air pollutants (NESHAP) for miscellaneous metal parts and products surface coating facilities. This subpart also establishes requirements to demonstrate initial and continuous compliance with the emission limitations.

§ 63.3881 Am I subject to this subpart?

(a) Miscellaneous metal parts and products include, but are not limited to, metal components of the following types of products as well as the products themselves: motor vehicle parts and accessories, bicycles and sporting goods, recreational vehicles, extruded aluminum structural components, railroad cars, heavy duty trucks, medical equipment, lawn and garden equipment, electronic equipment, magnet wire, steel drums, industrial machinery, metal pipes, and numerous other industrial, household, and consumer products. Except as provided in paragraph (c) of this section, the source category to which this subpart applies is the surface coating of any miscellaneous metal parts or products, as described in paragraph (a)(1) of this section, and it includes the subcategories listed in paragraphs (a)(2) through (6) of this section.

(1) Surface coating is the application of coating to a substrate using, for example, spray guns or dip tanks. When application of coating to a substrate occurs, then surface coating also includes associated activities, such as surface preparation, cleaning, mixing, and storage. However, these

activities do not comprise surface coating if they are not directly related to the application of the coating. Coating application with handheld, non-refillable aerosol containers, touch-up markers, marking pens, or the application of paper film or plastic film which may be pre-coated with an adhesive by the manufacturer are not coating operations for the purposes of this subpart.

(2) The general use coating subcategory includes all surface coating operations that are not high performance, magnet wire, rubber-to-metal, or extreme performance fluoropolymer coating operations.

(b) You are subject to this subpart if you own or operate a new, reconstructed, or existing affected source, as defined in §63.3882, that uses 946 liters (250 gallons (gal)) per year, or more, of coatings that contain hazardous air pollutants (HAP) in the surface coating of miscellaneous metal parts and products defined in paragraph (a) of this section; and that is a major source, is located at a major source, or is part of a major source of emissions of HAP. A major source of HAP emissions is any stationary source or group of stationary sources located within a contiguous area and under common control that emits or has the potential to emit any single HAP at a rate of 9.07 megagrams (Mg) (10 tons) or more per year or any combination of HAP at a rate of 22.68 Mg (25 tons) or more per year. You do not need to include coatings that meet the definition of non-HAP coating contained in §63.3981 in determining whether you use 946 liters (250 gal) per year, or more, of coatings in the surface coating of miscellaneous metal parts and products.

§ 63.3882 What parts of my plant does this subpart cover?

(a) This subpart applies to each new, reconstructed, and existing affected source within each of the four subcategories listed in §63.3881(a).

(b) The affected source is the collection of all of the items listed in paragraphs (b)(1) through (4) of this section that are used for surface coating of miscellaneous metal parts and products within each subcategory.

(1) All coating operations as defined in §63.3981;

(2) All storage containers and mixing vessels in which coatings, thinners and/or other additives, and cleaning materials are stored or mixed;

(3) All manual and automated equipment and containers used for conveying coatings, thinners and/or other additives, and cleaning materials; and

(4) All storage containers and all manual and automated equipment and containers used for conveying waste materials generated by a coating operation.

(d) An affected source is reconstructed if it meets the criteria as defined in §63.2.

§ 63.3883 When do I have to comply with this subpart?

The date by which you must comply with this subpart is called the compliance date. The compliance date for each type of affected source is specified in paragraphs (a) through (c) of this section. The compliance date begins the initial compliance period during which you conduct the initial compliance demonstration described in §§63.3940, 63.3950, and 63.3960.

(a) For a new or reconstructed affected source, the compliance date is the applicable date in paragraph (a)(1) or (2) of this section:

(2) If the initial startup of your new or reconstructed affected source occurs after January 2, 2004, the compliance date is the date of initial startup of your affected source.

(d) You must meet the notification requirements in §63.3910 according to the dates specified in that section and in subpart A of this part. Some of the notifications must be submitted before the compliance dates described in paragraphs (a) through (c) of this section.

§ 63.3890 What emission limits must I meet?

(a) For a new or reconstructed affected source, you must limit organic HAP emissions to the atmosphere from the affected source to the applicable limit specified in paragraphs (a)(1) through (5) of this section, except as specified in paragraph (c) of this section, determined according to the requirements in §63.3941, §63.3951, or §63.3961.

(1) For each new general use coating affected source, limit organic HAP emissions to no more than 0.23 kilograms (kg) (1.9 pound (lb)) organic HAP per liter (gal) coating solids used during each 12-month compliance period.

§ 63.3891 What are my options for meeting the emission limits?

You must include all coatings (as defined in §63.3981), thinners and/or other additives, and cleaning

materials used in the affected source when determining whether the organic HAP emission rate is equal to or less than the applicable emission limit in §63.3890. To make this determination, you must use at least one of the three compliance options listed in paragraphs (a) through (c) of this section. You may apply any of the three compliance options to an individual coating operation, or to multiple coating operations as a group, or to the entire affected source. You may use different compliance options for different coating operations, or at different times on the same coating operation. You may employ different compliance options when different coatings are applied to the same part, or when the same coating is applied to different parts. However, you may not use different compliance options at the same time on the same coating operation. If you switch between compliance options for any coating operation or group of coating operations, you must document this switch as required by §63.3930(c), and you must report it in the next semiannual compliance report required in §63.3920.

(b) *Emission rate without add-on controls option.* Demonstrate that, based on the coatings, thinners and/or other additives, and cleaning materials used in the coating operation(s), the organic HAP emission rate for the coating operation(s) is less than or equal to the applicable emission limit in §63.3890, calculated as a rolling 12-month emission rate and determined on a monthly basis. You must meet all the requirements of §§63.3950, 63.3951, and 63.3952 to demonstrate compliance with the emission limit using this option.

§ 63.3892 What operating limits must I meet?

(a) For any coating operation(s) on which you use the compliant material option or the emission rate without add-on controls option, you are not required to meet any operating limits.

§ 63.3893 What work practice standards must I meet?

(a) For any coating operation(s) on which you use the compliant material option or the emission rate without add-on controls option, you are not required to meet any work practice standards.

General Compliance Requirements

§ 63.3900 What are my general requirements for complying with this subpart?

(a) You must be in compliance with the emission limitations in this subpart as specified in paragraphs (a)(1) and (2) of this section.

(1) Any coating operation(s) for which you use the compliant material option or the emission rate without add-on controls option, as specified in §63.3891(a) and (b), must be in compliance with the applicable emission limit in §63.3890 at all times.

(b) You must always operate and maintain your affected source, including all air pollution control and monitoring equipment you use for purposes of complying with this subpart, according to the provisions in §63.6(e)(1)(i).

§ 63.3901 What parts of the General Provisions apply to me?

Table 2 to this subpart shows which parts of the General Provisions in §§63.1 through 63.15 apply to you.

Notifications, Reports, and Records

§ 63.3910 What notifications must I submit?

(a) *General.* You must submit the notifications in §§63.7(b) and (c), 63.8(f)(4), and 63.9(b) through (e) and (h) that apply to you by the dates specified in those sections, except as provided in paragraphs (b) and (c) of this section.

(b) *Initial Notification.* You must submit the initial notification required by §63.9(b) for a new or reconstructed affected source no later than 120 days after initial startup or 120 days after January 2, 2004, whichever is later. For an existing affected source, you must submit the initial notification no later than 1 year after January 2, 2004. If you are using compliance with the Surface Coating of Automobiles and Light-Duty Trucks NESHAP (subpart IIII of this part) as provided for under §63.3881(d) to constitute compliance with this subpart for any or all of your metal parts coating operations, then you must include a statement to this effect in your initial notification, and no other notifications are required under this subpart in regard to those metal parts coating operations. If you are complying with another NESHAP that constitutes the predominant activity at your facility under §63.3881(e)(2) to constitute compliance with this subpart for your metal parts coating operations, then you must include a statement to this effect in your initial notification, and no other notifications are required under this subpart in regard to those metal parts coating operations.

(c) *Notification of compliance status.* You must submit the notification of compliance status required by §63.9(h) no later than 30 calendar days following the end of the initial compliance period described in

§§63.3940, 63.3950, or 63.3960 that applies to your affected source. The notification of compliance status must contain the information specified in paragraphs (c)(1) through (11) of this section and in §63.9(h).

(1) Company name and address.

(2) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

(3) Date of the report and beginning and ending dates of the reporting period. The reporting period is the initial compliance period described in §§63.3940, 63.3950, or 63.3960 that applies to your affected source.

(4) Identification of the compliance option or options specified in §63.3891 that you used on each coating operation in the affected source during the initial compliance period.

(5) Statement of whether or not the affected source achieved the emission limitations for the initial compliance period.

(6) If you had a deviation, include the information in paragraphs (c)(6)(i) and (ii) of this section.

(i) A description and statement of the cause of the deviation.

(ii) If you failed to meet the applicable emission limit in §63.3890, include all the calculations you used to determine the kg (lb) of organic HAP emitted per liter (gal) coating solids used. You do not need to submit information provided by the materials' suppliers or manufacturers, or test reports.

(7) For each of the data items listed in paragraphs (c)(7)(i) through (iv) of this section that is required by the compliance option(s) you used to demonstrate compliance with the emission limit, include an example of how you determined the value, including calculations and supporting data. Supporting data may include a copy of the information provided by the supplier or manufacturer of the example coating or material, or a summary of the results of testing conducted according to §63.3941(a), (b), or (c). You do not need to submit copies of any test reports.

(i) Mass fraction of organic HAP for one coating, for one thinner and/or other additive, and for one cleaning material.

(ii) Volume fraction of coating solids for one coating.

(iii) Density for one coating, one thinner and/or other additive, and one cleaning material, except that if you use the compliant material option, only the example coating density is required.

(iv) The amount of waste materials and the mass of organic HAP contained in the waste materials for which you are claiming an allowance in Equation 1 of §63.3951.

(8) The calculation of kg (lb) of organic HAP emitted per liter (gal) coating solids used for the compliance option(s) you used, as specified in paragraphs (c)(8)(i) through (iii) of this section.

(ii) For the emission rate without add-on controls option, provide the calculation of the total mass of organic HAP emissions for each month; the calculation of the total volume of coating solids used each month; and the calculation of the 12-month organic HAP emission rate using Equations 1 and 1A through 1C, 2, and 3, respectively, of §63.3951.

§ 63.3920 What reports must I submit?

(a) *Semiannual compliance reports.* You must submit semiannual compliance reports for each affected source according to the requirements of paragraphs (a)(1) through (7) of this section. The semiannual compliance reporting requirements may be satisfied by reports required under other parts of the Clean Air Act (CAA), as specified in paragraph (a)(2) of this section.

(1) *Dates.* Unless the Administrator has approved or agreed to a different schedule for submission of reports under §63.10(a), you must prepare and submit each semiannual compliance report according to the dates specified in paragraphs (a)(1)(i) through (iv) of this section. Note that the information reported for each of the months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.

(i) The first semiannual compliance report must cover the first semiannual reporting period which begins the day after the end of the initial compliance period described in §63.3940, §63.3950, or §63.3960 that applies to your affected source and ends on June 30 or December 31, whichever date is the first date following the end of the initial compliance period.

(ii) Each subsequent semiannual compliance report must cover the subsequent semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

(iii) Each semiannual compliance report must be postmarked or delivered no later than July 31 or

January 31, whichever date is the first date following the end of the semiannual reporting period.

(iv) For each affected source that is subject to permitting regulations pursuant to 40 CFR part 70 or 40 CFR part 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), you may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the date specified in paragraph (a)(1)(iii) of this section.

(2) *Inclusion with title V report.* Each affected source that has obtained a title V operating permit pursuant to 40 CFR part 70 or 40 CFR part 71 must report all deviations as defined in this subpart in the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a semiannual compliance report pursuant to this section along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the semiannual compliance report includes all required information concerning deviations from any emission limitation in this subpart, its submission will be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a semiannual compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permitting authority.

(3) *General requirements.* The semiannual compliance report must contain the information specified in paragraphs (a)(3)(i) through (vii) of this section, and the information specified in paragraphs (a)(4) through (7) and (c)(1) of this section that is applicable to your affected source.

(i) Company name and address.

(ii) Statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the content of the report.

(iii) Date of report and beginning and ending dates of the reporting period. The reporting period is the 6-month period ending on June 30 or December 31. Note that the information reported for each of the 6 months in the reporting period will be based on the last 12 months of data prior to the date of each monthly calculation.

(iv) Identification of the compliance option or options specified in §63.3891 that you used on each coating operation during the reporting period. If you switched between compliance options during the reporting period, you must report the beginning and ending dates for each option you used.

(v) If you used the emission rate without add-on controls or the emission rate with add-on controls compliance option (§63.3891(b) or (c)), the calculation results for each rolling 12-month organic HAP emission rate during the 6-month reporting period.

(4) *No deviations.* If there were no deviations from the emission limitations in §§63.3890, 63.3892, and 63.3893 that apply to you, the semiannual compliance report must include a statement that there were no deviations from the emission limitations during the reporting period. If you used the emission rate with add-on controls option and there were no periods during which the continuous parameter monitoring systems (CPMS) were out-of-control as specified in §63.8(c)(7), the semiannual compliance report must include a statement that there were no periods during which the CPMS were out-of-control during the reporting period.

(6) *Deviations: Emission rate without add-on controls option.* If you used the emission rate without add-on controls option and there was a deviation from the applicable emission limit in §63.3890, the semiannual compliance report must contain the information in paragraphs (a)(6)(i) through (iii) of this section.

(i) The beginning and ending dates of each compliance period during which the 12-month organic HAP emission rate exceeded the applicable emission limit in §63.3890.

(ii) The calculations used to determine the 12-month organic HAP emission rate for the compliance period in which the deviation occurred. You must submit the calculations for Equations 1, 1A through 1C, 2, and 3 of §63.3951; and if applicable, the calculation used to determine mass of organic HAP in waste materials according to §63.3951(e)(4). You do not need to submit background data supporting these calculations (e.g., information provided by materials suppliers or manufacturers, or test reports).

(iii) A statement of the cause of each deviation.

§ 63.3930 What records must I keep?

You must collect and keep records of the data and information specified in this section. Failure to collect and keep these records is a deviation from the applicable standard.

(a) A copy of each notification and report that you submitted to comply with this subpart, and the

documentation supporting each notification and report. If you are using the predominant activity alternative under §63.3890(c), you must keep records of the data and calculations used to determine the predominant activity. If you are using the facility-specific emission limit alternative under §63.3890(c), you must keep records of the data used to calculate the facility-specific emission limit for the initial compliance demonstration. You must also keep records of any data used in each annual predominant activity determination and in the calculation of the facility-specific emission limit for each 12-month compliance period included in the semi-annual compliance reports.

(b) A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner and/or other additive, and cleaning material, and the volume fraction of coating solids for each coating. If you conducted testing to determine mass fraction of organic HAP, density, or volume fraction of coating solids, you must keep a copy of the complete test report. If you use information provided to you by the manufacturer or supplier of the material that was based on testing, you must keep the summary sheet of results provided to you by the manufacturer or supplier. You are not required to obtain the test report or other supporting documentation from the manufacturer or supplier.

(c) For each compliance period, the records specified in paragraphs (c)(1) through (4) of this section.

(1) A record of the coating operations on which you used each compliance option and the time periods (beginning and ending dates and times) for each option you used.

(3) For the emission rate without add-on controls option, a record of the calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1, 1A through 1C, and 2 of §63.3951; and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to §63.3951(e)(4); the calculation of the total volume of coating solids used each month using Equation 2 of §63.3951; and the calculation of each 12-month organic HAP emission rate using Equation 3 of §63.3951.

(d) A record of the name and volume of each coating, thinner and/or other additive, and cleaning material used during each compliance period. If you are using the compliant material option for all coatings at the source, you may maintain purchase records for each material used rather than a record of the volume used.

(e) A record of the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each compliance period unless the material is tracked by weight.

(f) A record of the volume fraction of coating solids for each coating used during each compliance period.

(g) If you use either the emission rate without add-on controls or the emission rate with add-on controls compliance option, the density for each coating, thinner and/or other additive, and cleaning material used during each compliance period.

(j) You must keep records of the date, time, and duration of each deviation.

§ 63.3931 In what form and for how long must I keep my records?

(a) Your records must be in a form suitable and readily available for expeditious review, according to §63.10(b)(1). Where appropriate, the records may be maintained as electronic spreadsheets or as a database.

(b) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) You must keep each record on-site for at least 2 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record according to §63.10(b)(1). You may keep the records off-site for the remaining 3 years.

Compliance Requirements for the Emission Rate Without Add-On Controls Option

§ 63.3950 By what date must I conduct the initial compliance demonstration?

You must complete the initial compliance demonstration for the initial compliance period according to the requirements of §63.3951. The initial compliance period begins on the applicable compliance date specified in §63.3883 and ends on the last day of the 12th month following the compliance date. If the compliance date occurs on any day other than the first day of a month, then the initial compliance period extends through the end of that month plus the next 12 months. You must determine the mass of organic HAP emissions and volume of coating solids used each month and then calculate an organic HAP emission rate at the end of the initial compliance period. The initial compliance

demonstration includes the calculations according to §63.3951 and supporting documentation showing that during the initial compliance period the organic HAP emission rate was equal to or less than the applicable emission limit in §63.3890.

§ 63.3951 How do I demonstrate initial compliance with the emission limitations?

You may use the emission rate without add-on controls option for any individual coating operation, for any group of coating operations in the affected source, or for all the coating operations in the affected source. You must use either the compliant material option or the emission rate with add-on controls option for any coating operation in the affected source for which you do not use this option. To demonstrate initial compliance using the emission rate without add-on controls option, the coating operation or group of coating operations must meet the applicable emission limit in §63.3890, but is not required to meet the operating limits or work practice standards in §§63.3892 and 63.3893, respectively. You must conduct a separate initial compliance demonstration for each general use, magnet wire, rubber-to-metal, and extreme performance fluoropolymer coating operation unless you are demonstrating compliance with a predominant activity or facility-specific emission limit as provided in §63.3890(c). If you are demonstrating compliance with a predominant activity or facility-specific emission limit as provided in §63.3890(c), you must demonstrate that all coating operations included in the predominant activity determination or calculation of the facility-specific emission limit comply with that limit. You must meet all the requirements of this section. When calculating the organic HAP emission rate according to this section, do not include any coatings, thinners and/or other additives, or cleaning materials used on coating operations for which you use the compliant material option or the emission rate with add-on controls option. You do not need to redetermine the mass of organic HAP in coatings, thinners and/or other additives, or cleaning materials that have been reclaimed on-site (or reclaimed off-site if you have documentation showing that you received back the exact same materials that were sent off-site) and reused in the coating operation for which you use the emission rate without add-on controls option. If you use coatings, thinners and/or other additives, or cleaning materials that have been reclaimed on-site, the amount of each used in a month may be reduced by the amount of each that is reclaimed. That is, the amount used may be calculated as the amount consumed to account for materials that are reclaimed.

(a) *Determine the mass fraction of organic HAP for each material.* Determine the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during each month according to the requirements in §63.3941(a).

(b) *Determine the volume fraction of coating solids.* Determine the volume fraction of coating solids (liter (gal) of coating solids per liter (gal) of coating) for each coating used during each month according to the requirements in §63.3941(b).

(c) *Determine the density of each material.* Determine the density of each liquid coating, thinner and/or other additive, and cleaning material used during each month from test results using ASTM Method D1475–98, “Standard Test Method for Density of Liquid Coatings, Inks, and Related Products” (incorporated by reference, see §63.14), information from the supplier or manufacturer of the material, or reference sources providing density or specific gravity data for pure materials. If you are including powder coatings in the compliance determination, determine the density of powder coatings, using ASTM Method D5965–02, “Standard Test Methods for Specific Gravity of Coating Powders” (incorporated by reference, see §63.14), or information from the supplier. If there is disagreement between ASTM Method D1475–98 or ASTM Method D5965–02 test results and other such information sources, the test results will take precedence unless, after consultation you demonstrate to the satisfaction of the enforcement agency that the formulation data are correct. If you purchase materials or monitor consumption by weight instead of volume, you do not need to determine material density. Instead, you may use the material weight in place of the combined terms for density and volume in Equations 1A, 1B, 1C, and 2 of this section.

(d) *Determine the volume of each material used.* Determine the volume (liters) of each coating, thinner and/or other additive, and cleaning material used during each month by measurement or usage records. If you purchase materials or monitor consumption by weight instead of volume, you do not need to determine the volume of each material used. Instead, you may use the material weight in place of the combined terms for density and volume in Equations 1A, 1B, and 1C of this section.

(e) *Calculate the mass of organic HAP emissions.* The mass of organic HAP emissions is the combined mass of organic HAP contained in all coatings, thinners and/or other additives, and

cleaning materials used during each month minus the organic HAP in certain waste materials. Calculate the mass of organic HAP emissions using Equation 1 of this section.

$$H_e = A + B + C - R_w \quad (\text{Eq. 1})$$

Where:

H_e = Total mass of organic HAP emissions during the month, kg.

A = Total mass of organic HAP in the coatings used during the month, kg, as calculated in Equation 1A of this section.

B = Total mass of organic HAP in the thinners and/or other additives used during the month, kg, as calculated in Equation 1B of this section.

C = Total mass of organic HAP in the cleaning materials used during the month, kg, as calculated in Equation 1C of this section.

R_w = Total mass of organic HAP in waste materials sent or designated for shipment to a hazardous waste TSDF for treatment or disposal during the month, kg, determined according to paragraph (e)(4) of this section. (You may assign a value of zero to R_w if you do not wish to use this allowance.)

(1) Calculate the kg organic HAP in the coatings used during the month using Equation 1A of this section:

$$A = \sum_{i=1}^m (\text{Vol}_{c,i}) (D_{c,i}) (W_{c,i}) \quad (\text{Eq. 1A})$$

Where:

A = Total mass of organic HAP in the coatings used during the month, kg.

$\text{Vol}_{c,i}$ = Total volume of coating, i, used during the month, liters.

$D_{c,i}$ = Density of coating, i, kg coating per liter coating.

$W_{c,i}$ = Mass fraction of organic HAP in coating, i, kg organic HAP per kg coating. For reactive adhesives as defined in §63.3981, use the mass fraction of organic HAP that is emitted as determined using the method in appendix A to subpart PPPP of this part.

m = Number of different coatings used during the month.

(2) Calculate the kg of organic HAP in the thinners and/or other additives used during the month using Equation 1B of this section:

$$B = \sum_{j=1}^n (\text{Vol}_{t,j}) (D_{t,j}) (W_{t,j}) \quad (\text{Eq. 1B})$$

Where:

B = Total mass of organic HAP in the thinners and/or other additives used during the month, kg.

$\text{Vol}_{t,j}$ = Total volume of thinner and/or other additive, j, used during the month, liters.

$D_{t,j}$ = Density of thinner and/or other additive, j, kg per liter.

$W_{t,j}$ = Mass fraction of organic HAP in thinner and/or other additive, j, kg organic HAP per kg thinner and/or other additive. For reactive adhesives as defined in §63.3981, use the mass fraction of organic HAP that is emitted as determined using the method in appendix A to subpart PPPP of this part.

n = Number of different thinners and/or other additives used during the month.

(3) Calculate the kg organic HAP in the cleaning materials used during the month using Equation 1C of this section:

$$C = \sum_{k=1}^p (\text{Vol}_{s,k}) (D_{s,k}) (W_{s,k}) \quad (\text{Eq. 1C})$$

Where:

C = Total mass of organic HAP in the cleaning materials used during the month, kg.

$\text{Vol}_{s,k}$ = Total volume of cleaning material, k, used during the month, liters.

$D_{s,k}$ = Density of cleaning material, k, kg per liter.

$W_{s,k}$ = Mass fraction of organic HAP in cleaning material, k, kg organic HAP per kg material.

p = Number of different cleaning materials used during the month.

(4) If you choose to account for the mass of organic HAP contained in waste materials sent or designated for shipment to a hazardous waste TSDF in Equation 1 of this section, then you must determine the mass according to paragraphs (e)(4)(i) through (iv) of this section.

- (i) You may only include waste materials in the determination that are generated by coating operations in the affected source for which you use Equation 1 of this section and that will be treated or disposed of by a facility that is regulated as a TSDF under 40 CFR part 262, 264, 265, or 266. The TSDF may be either off-site or on-site. You may not include organic HAP contained in wastewater.
- (ii) You must determine either the amount of the waste materials sent to a TSDF during the month or the amount collected and stored during the month and designated for future transport to a TSDF. Do not include in your determination any waste materials sent to a TSDF during a month if you have already included them in the amount collected and stored during that month or a previous month.
- (iii) Determine the total mass of organic HAP contained in the waste materials specified in paragraph (e)(4)(ii) of this section.
- (iv) You must document the methodology you use to determine the amount of waste materials and the total mass of organic HAP they contain, as required in §63.3930(h). If waste manifests include this information, they may be used as part of the documentation of the amount of waste materials and mass of organic HAP contained in them.
- (f) *Calculate the total volume of coating solids used.* Determine the total volume of coating solids used, liters, which is the combined volume of coating solids for all the coatings used during each month, using Equation 2 of this section:

$$V_{st} = \sum_{i=1}^m (Vol_{c,i}) (V_{s,i}) \quad (Eq. 2)$$

Where:

V_{st} = Total volume of coating solids used during the month, liters.

$Vol_{c,i}$ = Total volume of coating, i, used during the month, liters.

$V_{s,i}$ = Volume fraction of coating solids for coating, i, liter solids per liter coating, determined according to §63.3941(b).

m = Number of coatings used during the month.

- (g) *Calculate the organic HAP emission rate.* Calculate the organic HAP emission rate for the compliance period, kg (lb) organic HAP emitted per liter (gal) coating solids used, using Equation 3 of this section:

$$H_{yy} = \frac{\sum_{y=1}^n H_e}{\sum_{y=1}^n V_{st}} \quad (Eq. 3)$$

Where:

H_{yy} = Average organic HAP emission rate for the compliance period, kg organic HAP emitted per liter coating solids used.

H_e = Total mass of organic HAP emissions from all materials used during month, y, kg, as calculated by Equation 1 of this section.

V_{st} = Total volume of coating solids used during month, y, liters, as calculated by Equation 2 of this section.

y = Identifier for months.

n = Number of full or partial months in the compliance period (for the initial compliance period, n equals 12 if the compliance date falls on the first day of a month; otherwise n equals 13; for all following compliance periods, n equals 12).

- (h) *Compliance demonstration.* The organic HAP emission rate for the initial compliance period calculated using Equation 3 of this section must be less than or equal to the applicable emission limit for each subcategory in §63.3890 or the predominant activity or facility-specific emission limit allowed in §63.3890(c). You must keep all records as required by §§63.3930 and 63.3931. As part of the notification of compliance status required by §63.3910, you must identify the coating operation(s) for which you used the emission rate without add-on controls option and submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the initial compliance period because the organic HAP emission rate was less than or equal to the applicable emission limit in §63.3890, determined according to the procedures in this section.

§ 63.3952 How do I demonstrate continuous compliance with the emission limitations?

(a) To demonstrate continuous compliance, the organic HAP emission rate for each compliance period, determined according to §63.3951(a) through (g), must be less than or equal to the applicable emission limit in §63.3890. A compliance period consists of 12 months. Each month after the end of the initial compliance period described in §63.3950 is the end of a compliance period consisting of that month and the preceding 11 months. You must perform the calculations in §63.3951(a) through (g) on a monthly basis using data from the previous 12 months of operation. If you are complying with a facility-specific emission limit under §63.3890(c), you must also perform the calculation using Equation 1 in §63.3890(c)(2) on a monthly basis using the data from the previous 12 months of operation.

(b) If the organic HAP emission rate for any 12-month compliance period exceeded the applicable emission limit in §63.3890, this is a deviation from the emission limitation for that compliance period and must be reported as specified in §§63.3910(c)(6) and 63.3920(a)(6).

(c) As part of each semiannual compliance report required by §63.3920, you must identify the coating operation(s) for which you used the emission rate without add-on controls option. If there were no deviations from the emission limitations, you must submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the reporting period because the organic HAP emission rate for each compliance period was less than or equal to the applicable emission limit in §63.3890, determined according to §63.3951(a) through (g).

(d) You must maintain records as specified in §§63.3930 and 63.3931.

Other Requirements and Information

§ 63.3980 Who implements and enforces this subpart?

(a) This subpart can be implemented and enforced by us, the U.S. Environmental Protection Agency (EPA), or a delegated authority such as your State, local, or tribal agency. If the Administrator has delegated authority to your State, local, or tribal agency, then that agency (as well as the EPA) has the authority to implement and enforce this subpart. You should contact your EPA Regional Office to find out if implementation and enforcement of this subpart is delegated to your State, local, or tribal agency.

(b) In delegating implementation and enforcement authority of this subpart to a State, local, or tribal agency under subpart E of this part, the authorities contained in paragraph (c) of this section are retained by the Administrator and are not transferred to the State, local, or tribal agency.

(c) The authorities that will not be delegated to State, local, or tribal agencies are listed in paragraphs (c)(1) through (4) of this section:

(1) Approval of alternatives to the requirements in §63.3881 through 3883 and §63.3890 through 3893.

(2) Approval of major alternatives to test methods under §63.7(e)(2)(ii) and (f) and as defined in §63.90.

(3) Approval of major alternatives to monitoring under §63.8(f) and as defined in §63.90.

(4) Approval of major alternatives to recordkeeping and reporting under §63.10(f) and as defined in §63.90.

§ 63.3981 What definitions apply to this subpart?

Terms used in this subpart are defined in the CAA, in 40 CFR 63.2, and in this section as follows:

Additive means a material that is added to a coating after purchase from a supplier (e.g., catalysts, activators, accelerators).

Add-on control means an air pollution control device, such as a thermal oxidizer or carbon adsorber, that reduces pollution in an air stream by destruction or removal before discharge to the atmosphere.

Adhesive, adhesive coating means any chemical substance that is applied for the purpose of bonding two surfaces together. Products used on humans and animals, adhesive tape, contact paper, or any other product with an adhesive incorporated onto or in an inert substrate shall not be considered adhesives under this subpart.

Assembled on-road vehicle coating means any coating operation in which coating is applied to the surface of some component or surface of a fully assembled motor vehicle or trailer intended for on-road use including, but not limited to, components or surfaces on automobiles and light-duty trucks that have been repaired after a collision or otherwise repainted, fleet delivery trucks, and motor homes and other recreational vehicles (including camping trailers and fifth wheels). Assembled on-road

vehicle coating includes the concurrent coating of parts of the assembled on-road vehicle that are painted off-vehicle to protect systems, equipment, or to allow full coverage. Assembled on-road vehicle coating does not include surface coating operations that meet the applicability criteria of the automobiles and light-duty trucks NESHAP. Assembled on-road vehicle coating also does not include the use of adhesives, sealants, and caulks used in assembling on-road vehicles.

Capture device means a hood, enclosure, room, floor sweep, or other means of containing or collecting emissions and directing those emissions into an add-on air pollution control device.

Capture efficiency or capture system efficiency means the portion (expressed as a percentage) of the pollutants from an emission source that is delivered to an add-on control device.

Capture system means one or more capture devices intended to collect emissions generated by a coating operation in the use of coatings or cleaning materials, both at the point of application and at subsequent points where emissions from the coatings and cleaning materials occur, such as flashoff, drying, or curing. As used in this subpart, multiple capture devices that collect emissions generated by a coating operation are considered a single capture system.

Cleaning material means a solvent used to remove contaminants and other materials, such as dirt, grease, oil, and dried or wet coating (e.g., depainting or paint stripping), from a substrate before or after coating application or from equipment associated with a coating operation, such as spray booths, spray guns, racks, tanks, and hangers. Thus, it includes any cleaning material used on substrates or equipment or both.

Coating means a material applied to a substrate for decorative, protective, or functional purposes. Such materials include, but are not limited to, paints, sealants, liquid plastic coatings, caulks, inks, adhesives, and maskants. Decorative, protective, or functional materials that consist only of protective oils for metal, acids, bases, or any combination of these substances, or paper film or plastic film which may be pre-coated with an adhesive by the film manufacturer, are not considered coatings for the purposes of this subpart. A liquid plastic coating means a coating made from fine particle-size polyvinyl chloride (PVC) in solution (also referred to as a plastisol).

Coating operation means equipment used to apply cleaning materials to a substrate to prepare it for coating application (surface preparation) or to remove dried coating; to apply coating to a substrate (coating application) and to dry or cure the coating after application; or to clean coating operation equipment (equipment cleaning). A single coating operation may include any combination of these types of equipment, but always includes at least the point at which a given quantity of coating or cleaning material is applied to a given part and all subsequent points in the affected source where organic HAP are emitted from the specific quantity of coating or cleaning material on the specific part. There may be multiple coating operations in an affected source. Coating application with handheld, non-refillable aerosol containers, touch-up markers, or marking pens is not a coating operation for the purposes of this subpart.

Coatings solids means the nonvolatile portion of the coating that makes up the dry film.

Continuous parameter monitoring system (CPMS) means the total equipment that may be required to meet the data acquisition and availability requirements of this subpart, used to sample, condition (if applicable), analyze, and provide a record of coating operation, or capture system, or add-on control device parameters.

Controlled coating operation means a coating operation from which some or all of the organic HAP emissions are routed through an emission capture system and add-on control device.

Deviation means any instance in which an affected source subject to this subpart, or an owner or operator of such a source:

- (1) Fails to meet any requirement or obligation established by this subpart including but not limited to, any emission limit or operating limit or work practice standard;
- (2) Fails to meet any term or condition that is adopted to implement an applicable requirement in this subpart and that is included in the operating permit for any affected source required to obtain such a permit; or
- (3) Fails to meet any emission limit, or operating limit, or work practice standard in this subpart during startup, shutdown, or malfunction, regardless of whether or not such failure is permitted by this subpart.

Emission limitation means the aggregate of all requirements associated with a compliance option including emission limit, operating limit, work practice standard, etc.

Enclosure means a structure that surrounds a source of emissions and captures and directs the emissions to an add-on control device.

Exempt compound means a specific compound that is not considered a VOC due to negligible photochemical reactivity. The exempt compounds are listed in 40 CFR 51.100(s).

Extreme performance fluoropolymer coating means coatings that are formulated systems based on fluoropolymer resins which often contain bonding matrix polymers dissolved in non-aqueous solvents as well as other ingredients. Extreme performance fluoropolymer coatings are typically used when one or more critical performance criteria are required including, but not limited to a nonstick low-energy surface, dry film lubrication, high resistance to chemical attack, extremely wide operating temperature, high electrical insulating properties, or that the surface comply with government (e.g., USDA, FDA) or third party specifications for health, safety, reliability, or performance. Once applied to a substrate, extreme performance fluoropolymer coatings undergo a curing process that typically requires high temperatures, a chemical reaction, or other specialized technology.

Facility maintenance means the routine repair or renovation (including the surface coating) of the tools, equipment, machinery, and structures that comprise the infrastructure of the affected facility and that are necessary for the facility to function in its intended capacity.

General use coating means any material that meets the definition of coating but does not meet the definition of high performance coating, rubber-to-metal coating, magnet wire coating, or extreme performance fluoropolymer coating as defined in this section.

High performance architectural coating means any coating applied to architectural subsections which is required to meet the specifications of Architectural Aluminum Manufacturer's Association's publication number AAMA 605.2-2000.

High performance coating means any coating that meets the definition of high performance architectural coating or high temperature coating in this section.

High temperature coating means any coating applied to a substrate which during normal use must withstand temperatures of at least 538 degrees Celsius (1000 degrees Fahrenheit).

Hobby shop means any surface coating operation, located at an affected source, that is used exclusively for personal, noncommercial purposes by the affected source's employees or assigned personnel.

Magnet wire coatings, commonly referred to as magnet wire enamels, are applied to a continuous strand of wire which will be used to make turns (windings) in electrical devices such as coils, transformers, or motors. Magnet wire coatings provide high dielectric strength and turn-to-turn conductor insulation. This allows the turns of an electrical device to be placed in close proximity to one another which leads to increased coil effectiveness and electrical efficiency.

Magnet wire coating machine means equipment which applies and cures magnet wire coatings.

Manufacturer's formulation data means data on a material (such as a coating) that are supplied by the material manufacturer based on knowledge of the ingredients used to manufacture that material, rather than based on testing of the material with the test methods specified in §63.3941. Manufacturer's formulation data may include, but are not limited to, information on density, organic HAP content, volatile organic matter content, and coating solids content.

Mass fraction of organic HAP means the ratio of the mass of organic HAP to the mass of a material in which it is contained, expressed as kg of organic HAP per kg of material.

Month means a calendar month or a pre-specified period of 28 days to 35 days to allow for flexibility in recordkeeping when data are based on a business accounting period.

Non-HAP coating means, for the purposes of this subpart, a coating that contains no more than 0.1 percent by mass of any individual organic HAP that is an OSHA-defined carcinogen as specified in 29 CFR 1910.1200(d)(4) and no more than 1.0 percent by mass for any other individual HAP.

Organic HAP content means the mass of organic HAP emitted per volume of coating solids used for a coating calculated using Equation 2 of §63.3941. The organic HAP content is determined for the coating in the condition it is in when received from its manufacturer or supplier and does not account for any alteration after receipt. For reactive adhesives in which some of the HAP react to form solids and are not emitted to the atmosphere, organic HAP content is the mass of organic HAP that is emitted, rather than the organic HAP content of the coating as it is received.

Permanent total enclosure (PTE) means a permanently installed enclosure that meets the criteria of Method 204 of appendix M, 40 CFR part 51, for a PTE and that directs all the exhaust gases from the

enclosure to an add-on control device.

Personal watercraft means a vessel (boat) which uses an inboard motor powering a water jet pump as its primary source of motive power and which is designed to be operated by a person or persons sitting, standing, or kneeling on the vessel, rather than in the conventional manner of sitting or standing inside the vessel.

Protective oil means an organic material that is applied to metal for the purpose of providing lubrication or protection from corrosion without forming a solid film. This definition of protective oil includes, but is not limited to, lubricating oils, evaporative oils (including those that evaporate completely), and extrusion oils. Protective oils used on miscellaneous metal parts and products include magnet wire lubricants and soft temporary protective coatings that are removed prior to installation or further assembly of a part or component.

Reactive adhesive means adhesive systems composed, in part, of volatile monomers that react during the adhesive curing reaction, and, as a result, do not evolve from the film during use. These volatile components instead become integral parts of the adhesive through chemical reaction. At least 70 percent of the liquid components of the system, excluding water, react during the process.

Research or laboratory facility means a facility whose primary purpose is for research and development of new processes and products, that is conducted under the close supervision of technically trained personnel, and is not engaged in the manufacture of final or intermediate products for commercial purposes, except in a *de minimis* manner.

Responsible official means responsible official as defined in 40 CFR 70.2.

Rubber-to-metal coatings are coatings that contain heat-activated polymer systems in either solvent or water that, when applied to metal substrates, dry to a non-tacky surface and react chemically with the rubber and metal during a vulcanization process.

Startup, initial means the first time equipment is brought online in a facility.

Surface preparation means use of a cleaning material on a portion of or all of a substrate. This includes use of a cleaning material to remove dried coating, which is sometimes called depainting.

Temporary total enclosure means an enclosure constructed for the purpose of measuring the capture efficiency of pollutants emitted from a given source as defined in Method 204 of appendix M, 40 CFR part 51.

Thinner means an organic solvent that is added to a coating after the coating is received from the supplier.

Total volatile hydrocarbon (TVH) means the total amount of nonaqueous volatile organic matter determined according to Methods 204 and 204A through 204F of appendix M to 40 CFR part 51 and substituting the term TVH each place in the methods where the term VOC is used. The TVH includes both VOC and non-VOC.

Uncontrolled coating operation means a coating operation from which none of the organic HAP emissions are routed through an emission capture system and add-on control device.

Volatile organic compound (VOC) means any compound defined as VOC in 40 CFR 51.100(s).

Volume fraction of coating solids means the ratio of the volume of coating solids (also known as the volume of nonvolatiles) to the volume of a coating in which it is contained; liters (gal) of coating solids per liter (gal) of coating.

Wastewater means water that is generated in a coating operation and is collected, stored, or treated prior to being discarded or discharged.

Table 2 to Subpart M of Part 63—Applicability of General Provisions to Subpart M of Part 63

You must comply with the applicable General Provisions requirements according to the following table

Citation	Subject	Applicable to subpart M	Explanation
§ 63.1(a)(1)-(14)	General Applicability.	Yes.	

Table 2 to Subpart M MMM of Part 63—Applicability of General Provisions to Subpart M MMM of Part 63

You must comply with the applicable General Provisions requirements according to the following table

Citation	Subject	Applicable to subpart M MMM	Explanation
§ 63.1(b)(1)-(3)	Initial Applicability Determination.	Yes.....	Applicability to subpart M MMM is also specified in §63.3881.
§ 63.1(c)(1)	Applicability After Standard Established.	Yes.	
§ 63.1(c)(2)-(3)	Applicability of Permit Program for Area Sources.	No.....	Area sources are not subject to subpart M MMM.
§ 63.1(c)(4)-(5)	Extensions and Notifications.	Yes.	
§ 63.1(e)	Applicability of Permit Program Before Relevant Standard is Set.	Yes.	
§ 63.2	Definitions	Yes.....	Additional definitions are specified in §63.3981.
§ 63.1(a)-(c)	Units and Abbreviations.	Yes.	
§ 63.4(a)(1)-(5)	Prohibited Activities.	Yes.	
§ 63.4(b)-(c).	Circumvention/ Severability.	Yes.	
§ 63.5(a)	Construction/ Reconstruction.	Yes.	
§ 63.5(b)(1)-(6)	Requirements for Existing, Newly Constructed, and Reconstructed Sources.	Yes.	
§ 63.5(d)	Application for Approval of Construction/Reconstruction.	Yes.	
§ 63.5(e)	Approval of Construction/Reconstruction.	Yes.	
§ 63.5(f)	Approval of Construction/Reconstruction Based on Prior State Review.	Yes.	

Table 2 to Subpart M MMM of Part 63—Applicability of General Provisions to Subpart M MMM of Part 63

You must comply with the applicable General Provisions requirements according to the following table

Citation	Subject	Applicable to subpart M MMM	Explanation
§ 63.6(a)	Compliance With Standards and Maintenance Requirements -Applicability.	Yes.	
§ 63.6(b)(1)-(7).	Compliance Dates for New and Reconstructed Sources	Yes	Section 63.3883 specifies the compliance dates.
§ 63.6(c)(1)-(5)	Compliance Dates for Existing Sources.	Yes	Section 63.3883 specifies the compliance dates.
§ 63.6(e)(1)-(2)	Operation and Maintenance.	Yes.	
§ 63.6(e)(3)	Startup, Shutdown, and Malfunction Plan.	Yes	Only sources using an add-on control device to comply with the standard must complete startup, shutdown, and malfunction plans.
§ 63.6(f)(1)	Compliance Except During Startup, Shutdown, and Malfunction.	Yes	Applies only to sources using an add-on control device to comply with the standard.
§ 63.6(f)(2)-(3).	Methods for Determining Compliance..	Yes.	
§ 63.6(g)(1)-(3)	Use of an Alternative Standard.	Yes	
§ 63.6(h)	Compliance With Opacity/Visible Emission Standards	No.....	Subpart M MMM does not establish opacity standards and does not require continuous opacity monitoring systems (COMS).
§ 63.6(i)(1)-(16)	Extension of Compliance.	Yes.	
§ 63.6(j)	Presidential Compliance Exemption.	Yes.	
§ 63.7(a)(1).	Performance Test Requirements - Applicability.	Yes	Applies to all affected sources. Additional requirements for performance testing are specified in §§ 63.3964, 63.3965, and 63.3966.

Table 2 to Subpart M MMM of Part 63—Applicability of General Provisions to Subpart M MMM of Part 63

You must comply with the applicable General Provisions requirements according to the following table

Citation	Subject	Applicable to subpart M MMM	Explanation
§ 63.7(a)(2)	Performance Test Requirements - Dates.	Yes	Applies only to performance tests for capture system and control device efficiency at sources using these to comply with the standard. Section 63.3960 specifies the schedule for performance test requirements that are earlier than those specified in §63.7(a)(2).
§ 63.7(a)(3).	Performance Tests Required By the Administrator.	Yes.	
§ 63.7(b)-(e)	Performance Test Requirements - Notification, Quality Assurance, Facilities Necessary for Safe Testing, Conditions During Test.	Yes	Applies only to performance tests for capture system and add-on control device efficiency at sources using these to comply with the standard.
§ 63.7(f)	Performance Test Requirements - Use of Alternative Test Method. efficiency.	Yes	Applies to all test methods except those used to determine capture system
§ 63.7(g)-(h)	Performance Test Requirements - Data Analysis, Recordkeeping, Reporting, Waiver of Test.	Yes	Applies only to performance tests for capture system and add-on control device efficiency at sources using these to comply with the standard.
§ 63.8(a)(1)-(3)	Monitoring Requirements - Applicability.	Yes	Applies only to monitoring of capture system and add-on control device efficiency at sources using these to comply with the standard. Additional requirements for monitoring are specified in §63.3968.
§ 63.8(a)(4)	Additional Monitoring Requirements.	No.....	Subpart M MMM does not have monitoring requirements for flares.
§ 63.8(b)	Conduct of Monitoring.	Yes.	

Table 2 to Subpart M MMM of Part 63—Applicability of General Provisions to Subpart M MMM of Part 63

You must comply with the applicable General Provisions requirements according to the following table

Citation	Subject	Applicable to subpart M MMM	Explanation
§ 63.8(c)(1)-(3)	Continuous Monitoring Systems (CMS) Operation and Maintenance.	Yes.....	Applies only to monitoring of capture system and add-on control device efficiency at sources using these to comply with the standard. Additional requirements for CMS operations and maintenance are specified in §63.3968.
§ 63.8(c)(4).	CMS	No.....	§ 63.3968 specifies the requirements for the operation of CMS for capture systems and add-on control devices at sources using these to comply.
§ 63.8(c)(5)	COMS	No.....	Subpart M MMM does not have opacity or visible emission standards.
§ 63.8(c)(6).	CMS Requirements	No.....	Section 63.3968 specifies the requirements for monitoring systems for capture systems and add-on control devices at sources using these to comply.
§ 63.8(c)(7)	CMS Out-of-Control Periods.	Yes.	
§ 63.8(c)(8).	CMS Out-of-Control Periods and Reporting.	No.....	§ 63.3920 requires reporting of CMS out-of-control periods.
§ 63.8(d)-(e)	Quality Control Program and CMS Performance Evaluation.	No.....	Subpart M MMM does not require the use of continuous emissions monitoring systems.
§ 63.8(f)(1)-(5)	Use of an Alternative Monitoring Method.	Yes.	
§ 63.8(f)(6)	Alternative to Relative Accuracy Test.	No.....	Subpart M MMM does not require the use of continuous emissions monitoring systems.
§ 63.8(g)(1)-(5)	Data Reduction.	No.....	Sections 63.3967 and 63.3968 specify monitoring data reduction.
§ 63.9(a)-(d).	Notification Requirements.	Yes.	

Table 2 to Subpart M MMM of Part 63—Applicability of General Provisions to Subpart M MMM of Part 63

You must comply with the applicable General Provisions requirements according to the following table

Citation	Subject	Applicable to subpart M MMM	Explanation
§ 63.9(e)	Notification of Performance Test.	Yes	Applies only to capture system and add-on control device performance tests at sources using these to comply with the standard.
§ 63.9(f).	Notification of Visible Emissions/Opacity Test.	No.....	Subpart M MMM does not have opacity or visible emissions standards.
§ 63.9(g)(1)-(3)	Additional Notifications When Using CMS	No.....	Subpart M MMM does not require the use of continuous emissions monitoring systems.
§ 63.9(h).	Notification of Compliance Status.	Yes	Section 63.3910 specifies the dates for submitting the notification of compliance status.
§ 63.9(i).	Adjustment of Submittal Deadlines.	Yes.	
§ 63.9(j).	Change in Previous Information.	Yes.	
§ 63.10(a).	Recordkeeping/ Reporting Applicability and General Information.	Yes.	
§ 63.10(b)(1).	General Recordkeeping Requirements.	Yes	Additional requirements are specified in §§ 63.3930 and 63.3931.
§ 63.10(b)(2) (i)-(v)	Recordkeeping Relevant to Startup, Shutdown, and Malfunction Periods and CMS.	Yes	Requirements for startup, shutdown, and malfunction records only apply to add-on control devices used to comply with the standard.
§ 63.10(b)(2) (vi)-(xi)	...	Yes.	
§ 63.10(b)(2) (xii)	Records	Yes.	
§ 63.10(b)(2) (xiii)	...	No.....	Subpart M MMM does not require the use of continuous emissions monitoring systems.

Table 2 to Subpart M MMM of Part 63—Applicability of General Provisions to Subpart M MMM of Part 63

You must comply with the applicable General Provisions requirements according to the following table

Citation	Subject	Applicable to subpart M MMM	Explanation
§ 63.10(b)(2) (xiv)	...	Yes.	
§ 63.10(b)(3).	Recordkeeping Requirements for Applicability Determinations.	Yes.	
§ 63.10(c) (1)-(6)	Additional Recordkeeping Requirements for Sources with CMS.	Yes.	
§ 63.10(c) (7)-(8).	...	No.....	The same records are required in §63.3920(a)(7).
§ 63.10(c) (9)-(15)	....	Yes.	
§ 63.10(d)(1)	General Reporting Requirements.	Yes.....	Additional requirements are specified in §63.3920.
§ 63.10(d)(2)	Report of Performance Test Results.	Yes.....	Additional requirements are specified in §63.3920(b).
§ 63.10(d)(3)	Reporting Opacity or Visible Emissions Observations.	No.....	Subpart M MMM does not require opacity or visible emissions observations.
§ 63.10(d)(4)..	Progress Reports for Sources With Compliance Extensions.	Yes.	
§ 63.10(d)(5).	Startup, Shutdown, and Malfunction Reports.	Yes.....	Applies only to add-on control devices at sources using these to comply with the standard.
§ 63.10(e) (1)-(2)	Additional CMS Reports	No.....	Subpart M MMM does not continuous emissions monitoring systems.
§ 63.10(e) (3).	Excess Emissions/CMS Performance Reports.	No.....	Section 63.3920 (b) specifies the contents of periodic compliance reports.
§ 63.10(e) (4).	COMS Data Reports	No.....	Subpart M MMM does not specify requirements for opacity or COMS.

Table 2 to Subpart M MMM of Part 63—Applicability of General Provisions to Subpart M MMM of Part 63

You must comply with the applicable General Provisions requirements according to the following table

Citation	Subject	Applicable to subpart M MMM	Explanation
§ 63.10(f).	Recordkeeping/ Reporting Waiver.	Yes.	
§ 63.11.	Control Device Requirements/Flares.	No.....	Subpart M MMM does not specify use of flares for compliance.
§ 63.12	State Authority and Delegations.	Yes.	
§ 63.13..	Addresses	Yes.	
§ 63.14..	Incorporation by Reference.	Yes.	
§ 63.15..	Availability of Information/ Confidentiality.	Yes.	

Table 3 to Subpart M MMM of Part 63—Default Organic HAP Mass Fraction for Solvents and Solvent Blends

You may use the mass fraction values in the following table for solvent blends for which you do not have test data or manufacturer's formulation data and which match either the solvent blend name or the chemical abstract series (CAS) number. If a solvent blend matches both the name and CAS number for an entry, that entry's organic HAP mass fraction must be used for that solvent blend. Otherwise, use the organic HAP mass fraction for the entry matching either the solvent blend name or CAS number, or use the organic HAP mass fraction from table 4 to this subpart if neither the name or CAS number match.

Solvent/solvent blend	CAS. No.	Average organic HAP mass fraction	Typical organic HAP, percent by mass
1. Toluene	108-88-3	1.0	Toluene.
2. Xylene(s)	1330-20-7	1.0	Xylenes, ethylbenzene.
3. Hexane	110-54-3	0.5	n-hexane.
4. n-Hexane	110-54-3	1.0	n-hexane.
5. Ethylbenzene.....	100-41-4	1.0	Ethylbenzene.
6. Aliphatic 140.....	.....	0	None.
7. Aromatic 100 .....	.....	0.02	1% xylene, 1% cumene.
8. Aromatic 150 .....	.....	0.09	Naphthalene.
9. Aromatic naphtha	64742-95-6	0.02	1% xylene, 1% cumene.
10. Aromatic solvent.....	64742-94-5	0.1	Naphthalene.
11. Exempt mineral spirits	8032-32-4	0	None.
12. Ligroines (VM & P)	8032-32-4	0	None.
13. Lactol spirits	64742-89-6	0.15	Toluene.
14. Low aromatic white spirit...	64742-82-1	0	None.
15. Mineral spirits	64742-88-7	0.01	Xylenes.

Table 3 to Subpart MMMM of Part 63—Default Organic HAP Mass Fraction for Solvents and Solvent Blends

You may use the mass fraction values in the following table for solvent blends for which you do not have test data or manufacturer's formulation data and which match either the solvent blend name or the chemical abstract series (CAS) number. If a solvent blend matches both the name and CAS number for an entry, that entry's organic HAP mass fraction must be used for that solvent blend. Otherwise, use the organic HAP mass fraction for the entry matching either the solvent blend name or CAS number, or use the organic HAP mass fraction from table 4 to this subpart if neither the name or CAS number match.

Solvent/solvent blend	CAS. No.	Average organic HAP mass fraction	Typical organic HAP, percent by mass
16. Hydrotreated naphtha.....	64742-48-9	0	None.
17. Hydrotreated light distillate.	64742-47-8	0.001	Toluene.
18. Stoddard solvent	8052-41-3	0.01	Xylenes.
19. Super high-flash naphtha ..	64742-95-6	0.05	Xylenes.
20. Varsol ® solvent.	8052-49-3	0.01	0.5% xylenes, 0.5% ethylbenzene.
21. VM & P naphtha.	64742-89-8	0.06	3% toluene, 3% xylene.
22. Petroleum distillate mixture	68477-31-6	0.08	4% naphthalene, 4% biphenyl.

Table 4 to Subpart MMMM of Part 63—Default Organic HAP Mass Fraction for Petroleum Solvent Groups ^a

You may use the mass fraction values in the following table for solvent blends for which you do not have test data or manufacturer's formulation data.

Solvent type	Average organic HAP mass fraction	Typical organic HAP, percent by mass
Aliphatic ^b	0.03	1% Xylene, 1% Toluene, and 1% Ethylbenzene.
Aromatic ^c	0.06	4% Xylene, 1% Toluene, and 1% Ethylbenzene

- a Use this table only if the solvent blend does not match any of the solvent blends in Table 3 to this subpart by either solvent blend name or CAS number and you only know whether the blend is aliphatic or aromatic.
- b Mineral Spirits 135, Mineral Spirits 150 EC, Naphtha, Mixed Hydrocarbon, Aliphatic Hydrocarbon, Aliphatic Naphtha, Naphthol Spirits, Petroleum Spirits, Petroleum Oil, Petroleum Naphtha, Solvent Naphtha, Solvent Blend.
- c Medium-flash Naphtha, High-flash Naphtha, Aromatic Naphtha, Light Aromatic Naphtha, Light Aromatic Hydrocarbons, Aromatic Hydrocarbons, Light Aromatic Solvent.

D.1.12 One Time Deadlines Relating to NESHAP MMMM

The Permittee shall comply with the following requirements by the dates listed:

Requirement	Rule Cite	Deadline
Initial Notification	40 CFR 63.3910	120 days after initial startup of reconstructed source
Notification of Compliance Status	40 CFR 63.3910	30 days after the last day of the 12th month following initial startup of the reconstructed source

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-8-4(10)]: Boilers

- (i) One (1) boiler, identified as EU-3, used as a backup boiler, constructed in August 1964, fired by natural gas, exhausting to stack 13, heat input capacity: 25.2 million British thermal units per hour. NESHAP 40 CFR 63 Subpart DDDDD, this boiler is an existing large gaseous fuel unit.

Insignificant Activities

Natural gas-fired combustion sources with heat input equal to or less than ten (10) million BTU per hour, including:

- (a) One (1) boiler, identified as EU-14, constructed in 2004, fired by natural gas, heat input capacity: 0.000960 million British thermal units per hour. Under NESHAP 40 CFR 63 Subpart DDDDD, this boiler is an existing small gaseous fuel unit.
- (b) One (1) boiler, identified as EU-4, constructed in 2006, fired by natural gas, exhausting to stack 14, capacity: 1.0 million British thermal units per hour. Under NESHAP 40 CFR 63 Subpart DDDDD, this boiler is a new small gaseous fuel unit.

(The information describing the process contained in this facility description box is descriptive information and does not constitute enforceable conditions.)

Emission Limitations and Standards [326 IAC 2-7-5(1)]

D.2.1 Particulate [326 IAC 6-2-3]

Pursuant to 326 IAC 6-2-3 (Particulate Emission Limitations for Sources of Indirect Heating) the PM emissions from the one (1) boiler, identified as EU-3, constructed in 1964, shall be limited to 0.78 pounds per million British thermal units heat input.

This limitation is based on the following equation:

$$Pt = C \times a \times h / 76.5 \times Q^{0.75} \times N^{0.25}$$

where:

Pt = Pounds of particulate matter emitted per million British thermal units (lb/MMBtu) heat input

Q = Total source maximum operating capacity rating in million British thermal units per hour (MMBtu/hr) heat input. The maximum operating capacity rating is defined as the maximum capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used. (50.4 on June 8, 1972)

C = Maximum ground level concentration with respect to distance from the point source at the "critical" wind speed for level terrain. This shall equal 50 micrograms per cubic meter for a period not to exceed a sixty (60) minute time period.

N = Number of stacks in fuel burning operation. (2 on June 8, 1972)

a = Plume rise factor which is used to make allowance for less than theoretical plume rise. The value 0.67 shall be used for Q less than or equal to 1,000 MMBtu/hr heat input. The value 0.8 shall be used for Q greater than 1,000 MMBtu/hr heat input.

h = Stack height in feet. (40)

D.2.2 Particulate [326 IAC 6-2-4]

- (a) Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating) the PM emissions from the one (1) boiler, identified as EU-14, constructed in 2004, shall be limited to 0.39 pounds per million British thermal units heat input.
- (b) Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating) the PM emissions from the one (1) boiler, identified as EU-4, constructed in 2006, shall be limited to 0.47 pounds per million British thermal units heat input.

These limitations are based on the following equation:

$$Pt = 1.09 / Q^{0.26}$$

where:

Pt = Pounds of particulate matter emitted per million British thermal units (lb/MMBtu) heat input

Q = Total source maximum operating capacity rating in million British thermal units per hour (MMBtu/hr) heat input. The maximum operating capacity rating is defined as the maximum capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used. (50.40096 for the boiler constructed in 2004 and 25.20096 for the boiler constructed in 2006)

D.2.3 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for these facilities.

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]

D.2.4 Reporting Requirements

The natural gas boiler certification shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, for the one (1) boiler, identified as EU-3, using the reporting forms located at the end of this permit, or its equivalent, within thirty (30) days after the end of the six (6) month period being reported. The natural gas-fired boiler certification does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements [326 IAC 2-7-5(1)]

D.2.5 General Provisions Relating to NESHAP Subpart DDDDD [326 IAC 20-1][40 CFR Part 63, Subpart A]

The provisions of 40 CFR 63 Subpart A - General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the affected sources, as designated by 40 CFR 63.7506(b), except when otherwise specified in 40 CFR 63 Subpart DDDDD. The Permittee must comply with these requirements on and after the effective date of 40 CFR 63, Subpart DDDDD.

D.2.6 National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters [40 CFR Part 63, Subpart DDDDD]

- (a) The affected sources are subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Industrial, Commercial, and Institutional Boilers and Process Heaters, (40 CFR 63, Subpart DDDDD), as of the effective date of 40 CFR 63, Subpart DDDDD. Pursuant to this rule, the Permittee must comply with 40 CFR 63, Subpart DDDDD on and after November 1, 2008, for the two (2) existing boilers, identified as EU-3 and EU-14, and upon startup for the one (1) new boiler, identified as EU-4.

- (b) The following emissions unit comprises the affected source for the existing large gaseous fuel subcategory:

One (1) boiler, identified as EU-3, used as a backup boiler, constructed in August 1964, fired by natural gas, exhausting to stack 13, heat input capacity: 25.2 million British thermal units per hour.
- (c) The following emissions unit comprises the affected source for the existing small gaseous fuel subcategory:

One (1) boiler, identified as EU-14, constructed in 2004, fired by natural gas, heat input capacity: 0.000960 million British thermal units per hour.
- (d) The following emissions unit comprises the affected source for the new small gaseous fuel subcategory:

One (1) boiler, identified as EU-4, constructed in 2006, fired by natural gas, exhausting to stack 14, capacity: 1.0 million British thermal units per hour.
- (e) The definitions of 40 CFR 63, Subpart DDDDD at 40 CFR 63.7575 are applicable to the affected sources.

D.2.7 National Emission Standards for Hazardous Air Pollutants for Industrial, Commercial, and Institutional Boilers and Process Heaters - Notification Requirements [40 CFR 63, Subpart DDDDD]

Pursuant to 40 CFR 63.7545(a) and 40 CFR 63.7506(b), the Permittee shall submit an Initial Notification for the one (1) boiler, identified as EU-3, within 120 days of becoming subject to 40 CFR 63, Subpart DDDDD.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY**

**PART 70 OPERATING PERMIT
CERTIFICATION**

Source Name: Coating Consultants LLC dba Nu-Tec Coatings
Source Address: 1615 Fletcher Avenue, Suite A, Fort Wayne, Indiana 46803
Mailing Address: P.O. Box 11744, Fort Wayne, Indiana 46803
Part 70 Permit No.: T 003-22489-00329

This certification shall be included when submitting monitoring, testing reports/results or other documents as required by this permit.

Please check what document is being certified:

- Annual Compliance Certification Letter
- Test Result (specify) _____
- Report (specify) _____
- Notification (specify) _____
- Affidavit (specify) _____
- Other (specify) _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

Signature:

Printed Name:

Title/Position:

Phone:

Date:

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE BRANCH
100 North Senate Avenue
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865**

**PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT**

Source Name: Coating Consultants LLC dba Nu-Tec Coatings
Source Address: 1615 Fletcher Avenue, Suite A, Fort Wayne, Indiana 46803
Mailing Address: P.O. Box 11744, Fort Wayne, Indiana 46803
Part 70 Permit No.: T 003-22489-00329

This form consists of 2 pages

Page 1 of 2

<input type="checkbox"/> This is an emergency as defined in 326 IAC 2-7-1(12) C The Permittee must notify the Office of Air Quality (OAQ), within four (4) business hours (1-800-451-6027 or 317-233-0178, ask for Compliance Section); and C The Permittee must submit notice in writing or by facsimile within two (2) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.
--

If any of the following are not applicable, mark N/A

Facility/Equipment/Operation:
Control Equipment:
Permit Condition or Operation Limitation in Permit:
Description of the Emergency:
Describe the cause of the Emergency:

If any of the following are not applicable, mark N/A

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N Describe:
Type of Pollutants Emitted: TSP, PM-10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by: _____
Title / Position: _____
Date: _____
Phone: _____

A certification is not required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

**PART 70 OPERATING PERMIT
SEMI-ANNUAL NATURAL GAS-FIRED BOILER CERTIFICATION**

Source Name: Coating Consultants LLC dba Nu-Tec Coatings
Source Address: 1615 Fletcher Avenue, Suite A, Fort Wayne, Indiana 46803
Mailing Address: P.O. Box 11744, Fort Wayne, Indiana 46803
Part 70 Permit No.: T 003-22489-00329

<input type="checkbox"/> Natural Gas Only <input type="checkbox"/> Alternate Fuel burned
From _____ To: _____

I certify that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
Signature:
Printed Name:
Title/Position:
Phone:
Date:

A certification by the responsible official as defined by 326 IAC 2-7-1(34) is required for this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY
COMPLIANCE DATA SECTION**

Part 70 Quarterly Report

Source Name: Coating Consultants LLC dba Nu-Tec Coatings
Source Address: 1615 Fletcher Avenue, Suite A, Fort Wayne, Indiana 46803
Mailing Address: P.O. Box 11744, Fort Wayne, Indiana 46803
Part 70 Permit No.: T 003-22489-00329
Facilities: One (1) automated spray booth, identified as EU-1A, one (1) primer booth at EU-5, one (1) top coat booth at EU-5, and one (1) tuff coat spray booth, identified as EU-9
Parameter: Total VOC usage
Limit: 97.5 tons per twelve (12) consecutive month period, total, with compliance determined at the end of each month (Condition D.1.3)

YEAR: _____

Month	VOC Usage (tons)	VOC Usage (tons)	VOC Usage (tons)
	This Month	Previous 11 Months	12 Month Total

- No deviation occurred in this month.
- Deviation/s occurred in this month.
Deviation has been reported on: _____

Submitted by: _____
Title/Position: _____
Signature: _____
Date: _____
Phone: _____

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY
 COMPLIANCE DATA SECTION**

**PART 70 OPERATING PERMIT
 QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT**

Source Name: Coating Consultants LLC dba Nu-Tec Coatings
 Source Address: 1615 Fletcher Avenue, Suite A, Fort Wayne, Indiana 46803
 Mailing Address: P.O. Box 11744, Fort Wayne, Indiana 46803
 Part 70 Permit No.: T 003-22489-00329

Months: _____ **to** _____ **Year:** _____

<p>This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".</p>	
<input type="checkbox"/> NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.	
<input type="checkbox"/> THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	
Permit Requirement (specify permit condition #)	
Date of Deviation:	Duration of Deviation:
Number of Deviations:	
Probable Cause of Deviation:	
Response Steps Taken:	

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

Indiana Department of Environmental Management
Office of Air Quality

Technical Support Document (TSD) for New Source Construction and a
Transition from a Federally Enforceable State Operating Permit (FESOP) to
a Part 70 Permit

Source Description and Location

Source Name:	Coating Consultants LLC dba Nu-Tec Coatings
Source Location:	1615 Fletcher Avenue, Suite A, Fort Wayne, Indiana 46803
County:	Allen
SIC Code:	3479
Operation Permit No.:	T 003-22489-00329
Permit Reviewer:	CarrieAnn Paukowits

Existing Approvals

Coating Consultants LLC dba Nu-Tec Coatings (previously NUTEC Coatings) was issued a Federally Enforceable State Operating Permit (FESOP), F 003-18344-00329, on April 23, 2004. The proposed approval is a transition from the FESOP program to a Part 70, Title V, Operating Permit.

County Attainment Status

The source is located in Allen County.

Pollutant	Status
PM ₁₀	attainment
PM _{2.5}	attainment
SO ₂	attainment
NO ₂	attainment
8-hour Ozone	basic nonattainment
CO	attainment
Lead	attainment

- (a) Volatile organic compounds (VOC) and nitrogen oxides (NO_x) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC and NO_x emissions are considered when evaluating the rule applicability relating to the ozone standards. Allen County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for emission offset, 326 IAC 2-3.
- (b) Allen County has been classified as attainment for PM_{2.5}. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for PM_{2.5} emissions. Therefore, until the U.S. EPA adopts specific provisions for PSD review for PM_{2.5} emissions, it has directed states to regulate PM₁₀ emissions as a surrogate for PM_{2.5} emissions.
- (c) Allen County has been classified as attainment or unclassifiable in Indiana for all remaining criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for

Prevention of Significant Deterioration (PSD), 326 IAC 2-2.

- (d) Fugitive Emissions
 Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 or 326 IAC 2-3, fugitive emissions are not counted toward the determination of PSD and Emission Offset applicability.

Source Status

The table below summarizes the potential to emit of the entire source, prior to the modification, which was constructed and operated without prior approval, in 2005 and 2006, after consideration of all enforceable limits established in the effective permits:

Pollutant	Emissions (tons/year)
PM	97.2
PM ₁₀	97.5
SO ₂	1.52
VOC	79.3
CO	24.8
NO _x	53.2

- (a) This existing source is not a major stationary source, under PSD (326 IAC 2-2), because no regulated pollutant is emitted at a rate of two hundred and fifty (250) tons per year or more, and it is not one of the twenty-eight (28) listed source categories, as specified in 326 IAC 2-2-1(gg)(1).
- (b) This existing source is not a major stationary source, under Emission Offset (326 IAC 2-3), because no nonattainment regulated pollutant is emitted at a rate of one hundred (100) tons per year or more.
- (c) These emissions are based upon the Technical Support Document for F 003-18344-00329, issued on April 23, 2004.

The table below summarizes the potential to emit HAPs for the entire source, prior to the proposed modification, after consideration of all enforceable limits established in the effective permits:

HAPs	Potential To Emit (tons/year)
Each Individual HAP	< 10
TOTAL	< 25

This existing source is not a major source of HAPs, as defined in 40 CFR 63.41, because HAPs emissions were limited to less than ten (10) tons per year for a single HAP and twenty-five (25) tons per year of a combination of HAPs. Therefore, this source is an area source under Section 112 of the Clean Air Act (CAA).

Actual Emissions

No previous emission data has been received from the source.

Description of Proposed Modification

The source name and mailing address have changed. While the source is at the same location, the street address has also changed.

The processes permitted in the initial FESOP have either been removed or modified, with the exception of the two (2) existing boilers (EU-3 and EU-14), the one (1) small liquid line (EU-1), and the one (1) powder coat line (EU-2). However, some processes have been removed from the one (1) small liquid line (EU-1) and the coatings used have changed. Most of the changes shown for EU-1 are only descriptive changes. In addition, the existing significant boiler will no longer burn butane and propane, only natural gas. Also, several facilities have been added to the source. The modification was constructed and operated prior to the receipt of the proper permit. As a result of this modification, the equipment has been revised as follows:

- ~~(a)~~ One (1) E coat line, identified as EU-20A, a dipping operation not exhausting through a stack, capacity: 1,254 metal parts per hour.
- ~~(b)~~ One (1) drying oven, identified as EU-20B, fired by natural gas, exhausting to stack SAV-16, heat input capacity: 2.5 million British thermal units per hour.
- ~~(c)~~ One (1) Ransburg oven, identified as EU-06, constructed in October 1971, fired by natural gas, exhausting to stack SAV-06, heat input capacity: 5.0 million British thermal units per hour.
- ~~(d)~~ One (1) batch oven, identified as EU-08, constructed in June 1991, fired by natural gas, exhausting to stack SAV-08, heat input capacity: 1.0 million British thermal units per hour.
- ~~(e)~~**(a)** One (1) Ransburg spray booth **small liquid line, identified as EU-1, for coating and finishing metal parts**, constructed in November 1971, consisting of:
 - (1) One (1) alkaline cleaner station, using only non-VOC materials, exhausting to stack 6.**
 - (2) Two (2) water rinse tanks.**
 - (3) One (1) phosphate washer, with a material replacement rate of 1 quart in each 6-hour period.**
 - (4) One (1) sealer application station, with a material replacement rate of 0.5 gallon per eight-hour shift.**
 - (5) One (1) spray water rinse.**
 - (6) One (1) dryer, fired by natural gas, exhausting to stack 3, heat input capacity: 1.0 million British thermal units per hour.**
 - ~~(7)~~**(4)** One (1) automated spray booth, identified as EU-091A, equipped with electrostatic disk spray applicators and dry filters for overspray control, exhausting to stacks **4 and 5 SAV-09**, capacity: 68 metal parts **and 12 gallons of paint** per hour.
 - (8) One (1) curing oven, fired by natural gas, exhausting to stack 2, heat input capacity: 1.5 million British thermal units per hour.**
 - ~~(2)~~ One (1) hand spray booth, identified as EU-09B, equipped with air atomized spray applicators and dry filters for overspray control, exhausting to stack SAV-10, capacity:

~~68 metal parts per hour.~~

- ~~(3) One (1) flash off area, identified as EU-09C, exhausting to stack S/V-11, capacity: 68 metal parts per hour.~~
- ~~(f) One (1) finishing spray line, constructed in September 1978, with a total capacity of 34 metal parts per hour, consisting of:
 - ~~(1) One (1) finish spray booth south, identified as EU-12A, equipped with air atomized spray guns and dry filters for overspray control, exhausting to stack S/V-12.~~
 - ~~(2) One (1) finish spray booth north, identified as EU-12B, equipped with air atomized spray guns and dry filters for overspray control, exhausting to stack S/V-13.~~~~
- ~~(g) One (1) silk screen oven, identified as EU-17, constructed in October 1971, fired by natural gas, exhausting to stack S/V-17, heat input capacity: 5.00 million British thermal units per hour.~~
- (h)(b) One (1) powder coat line, identified as EU-2, for coating and finishing metal parts, constructed in June 1997, consisting of:
 - (1) One (1) alkaline cleaner station, using only non-VOC materials, exhausting to stacks 10 and 11.**
 - (2) Two (2) water rinse tanks.**
 - (3) One (1) phosphate washer, exhausting to stack 9, with a material replacement rate of 1 quart in each 6-hour period.**
 - (4) One (1) sealer application station, exhausting to stack 8, with a material replacement rate of 0.5 gallon per eight-hour shift.**
 - (5) One (1) spray water rinse.**
 - ~~(1) One (1) dry off oven, identified as EU-492A, fired by natural gas, exhausting to stacks 7 S/V-19 and S/V-20, heat input capacity: 2.5 million British thermal units per hour.~~
 - ~~(2) Two (2) One (1) curing ovens, identified as EU-492C, fired by natural gas, exhausting to stacks 1 S/V-21 and S/V-22, heat input capacity: 3.5 million British thermal units per hour, total.~~
 - ~~(3) Two (2) One (1) powder spray booths, identified as EU-492B, using electro-deposition of coatings and a dry filter, not exhausting through a stack, capacity: 46 metal parts per hour and 5.75 pounds of coating per hour, total.~~**
- (c) One (1) large liquid line, identified as EU-5, for coating and finishing metal parts, with the ovens identified as EU-6, constructed in November 2005 through February 2006, consisting of the following:
 - (1) One (1) primer booth, equipped with HVLP spray applicators and dry filters as overspray control, exhausting to stacks 18 and 19, capacity: 12 gallons of primer per hour.**
 - (2) One (1) top coat booth, equipped with HVLP spray applicators and dry filters****

- as overspray control, exhausting to stacks 16 and 17, capacity: 12 gallons of coatings per hour.
- (3) One (1) primer oven, fired by natural gas, exhausting to stack 20, heat input capacity: 5.0 million British thermal units per hour.
 - (4) One (1) curing oven, fired by natural gas, exhausting to stack 15, heat input capacity: 6.0 million British thermal units per hour.
- (d) One (1) dip line, identified as EU-7, for coating and finishing metal parts, with the ovens identified as EU-8, constructed in September 2005 through November 2005, consisting of the following:
- (1) One (1) cleaner, using only non-VOC materials, exhausting to stack 24.
 - (2) Two (2) water rinse tanks.
 - (3) One (1) zinc phosphate operation, with a material replacement rate of 1 quart in each 6-hour period.
 - (4) One (1) sealer application station, exhausting to stack 25, with a material replacement rate of 0.5 gallon per eight-hour shift.
 - (5) One (1) drying oven, fired by steam.
 - (6) One (1) curing oven, fired by natural gas, exhausting to stack 12, heat input capacity: 1.1 million British thermal units per hour.
- (e) One (1) tuff coat spray booth, identified as EU-9, constructed in December 2005, for coating and finishing metal parts, equipped with airless spray applicators, and dry filters as overspray control, exhausting to stack 26, capacity: 15 gallons of coatings per hour.
- (f) One (1) batch oven for the tuff coat spray booth, identified as EU-12, constructed in January through February 2006, fired by natural gas, exhausting to stack 23, heat input capacity: 1.0 million British thermal units per hour.
- (g) One (1) chrome line, identified as EU-10, constructed in January through February 2006, all exhausting to stack 21, consisting of the following:
- (1) One (1) cleaner, using only non-VOC materials.
 - (2) Six (6) water rinse tanks.
 - (3) One (1) aluminum etching operation, using only non-VOC, non-HAP materials.
 - (4) One (1) de-oxidizing operation, with less than 1% hydrofluoric acid, with a material replacement rate of 0.5 gallon per eight-hour shift.
 - (5) One (1) chromate operation containing hydrofluoric acid, chromic acid and phosphoric acid, with a material replacement rate of 0.5 gallon per eight-hour shift.
- (h) One (1) burn-off oven, identified as EU-13, fired by natural gas, constructed in December 2005, exhausting to stack 22, heat input capacity: 2.5 million British thermal

units per hour.

- (i) One (1) boiler, identified as EU-043, **used as a backup boiler**, constructed in August 1964, fired by natural gas ~~or a combination of 0-2.5% Butane and 97.5-100% Propane~~, exhausting to stack ~~SAV-04 13~~, heat input capacity: 25.2 million British thermal units per hour.
- ~~(j) One (1) boiler, identified as EU-02, constructed in August 1964, fired by natural gas or a combination of 0-2.5% Butane and 97.5-100% Propane, exhausting to stack SAV-02, heat input capacity: 25.2 million British thermal units per hour.~~

Insignificant Activities

- ~~(a) Natural gas-fired combustion sources with heat input equal to or less than ten (10) million BTU per hour, including:
 - ~~(a) One (1) boiler, identified as EU-14, constructed in 2004, fired by natural gas, heat input capacity: rated at 0.000960 million British thermal units per hour.~~
 - (b) One (1) boiler, identified as EU-4, constructed in 2006, fired by natural gas, exhausting to stack 14, heat input capacity: 1.0 million British thermal units per hour.**~~
- ~~(b) Combustion source flame safety purging on startup.~~
- ~~(c) The following VOC and HAP storage containers:
 - ~~Vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids.~~~~
- ~~(d) Application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings.~~
- ~~(e) Machining where an aqueous cutting coolant continuously floods the machining interface.~~
- ~~(f) Solvent recycling systems with batch capacity less than or equal to 100 gallons.~~
- ~~(g) Activities associated with the treatment of wastewater streams with an oil and grease content less than or equal to one percent (1%) by volume.~~
- ~~(h) Noncontact cooling tower systems with either of the following:
 - ~~(1) Natural draft cooling towers not regulated under a NESHAP.~~
 - ~~(2) Forced and induced draft cooling tower system not regulated under a NESHAP.~~~~
- ~~(i) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.~~
- ~~(j) Heat exchanger cleaning and repair.~~
- ~~(k) Paved and unpaved roads and parking lots with public access.~~
- ~~(l) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.~~

Enforcement Issues

- (a) IDEM is aware that equipment has been constructed and operated prior to receipt of the proper permit. IDEM is reviewing this matter and will take the appropriate action. This proposed approval is intended to satisfy the requirements of the construction permit rules.
- (b) Pursuant to 40 CFR 63.7506(b), initial notification for the one (1) boiler, identified as EU-3, must be submitted within 120 days of the boiler becoming subject to 40 CFR 63, Subpart DDDDD (by approximately March 1, 2006 - The source became subject to the standard upon commencing construction of the facilities that made the source a major source of HAPs, which occurred approximately November 1, 2005). The boiler is not in compliance with this requirement. IDEM is reviewing this matter and will take the appropriate action.
- (c) Pursuant to 40 CFR 63.3910(b), initial notification for the metal coating operations, must be submitted within 120 days of the initial startup of the reconstructed source (by approximately June 1, 2006 - Initial startup of the reconstructed source was approximately February 1, 2006). The metal coating operations are not in compliance with this requirement. IDEM is reviewing this matter and will take the appropriate action.

Stack Summary

Stack ID	Operation	Height (feet)*	Diameter (feet)	Flow Rate (acfm)	Temperature (EF)
1	Curing Oven EU-2C	6	1.5	1,000	500
2	Curing Oven for EU-1	6	1.5	1,000	200
3	Dryer for EU-1	6	3.0	9,600	300
4	Automated Spray Booth EU-1A	6	2.0	9,500	70
5	Automated Spray Booth EU-1A	6	2.0	9,500	70
6	Alkaline Cleaner Station for EU-1	6	2.0	2,700	300
7	Dry Off Oven EU-2A	6	2.0	2,700	70
8	Sealer Application Station for EU-2	6	0.67	200	70
9	Phosphate Washer for EU-2	6	0.83	300	230
10	Alkaline Cleaner Station for EU-2	6	2.0	2,700	70
11	Alkaline Cleaner Station for EU-2	6	1.0	450	140
12	Curing Oven EU-8	3	2.3	4,000	250
13	Backup Boiler EU-3	6	1.5	350	350
14	Boiler EU-4	6	1.8	350	350
15	Curing Oven EU-6	6	1.6	4,500	300
16	Top Coat Booth for EU-5	3	3.0	9,600	70
17	Top Coat Booth for EU-5	3	3.0	9,600	70
18	Primer Booth for EU-5	3	3.0	9,600	70
19	Primer Booth for EU-5	3	3.0	9,600	70
20	Primer Oven EU-6	3	1.9	3,500	300

Stack ID	Operation	Height (feet)*	Diameter (feet)	Flow Rate (acfm)	Temperature (EF)
21	Chrome Line EU-10	3	2.0	2,200	70
22	Burn Off Oven EU-13	3	2.0	2,700	10
24	Cleaner for EU-8	3	1.5	3,000	300
25	Sealer Application Station for EU-7	3	1.5	4,000	70
26	Tuff Coat Spray Booth EU-9	3	2.67	4,000	70
27	Batch Oven EU-12	6	2.83	1,000	500

*The stack heights provided represent the height above the roof.

Emission Calculations

See Appendix A (5 pages) of this document for detailed emission calculations.

Permit Level Determination – Part 70

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source or emission unit to emit any air pollutant under its physical and operational design. Any physical or operational limitation on the capacity of a source to emit an air pollutant, including air pollution control equipment and restrictions on hours of operation or type or amount of material combusted, stored, or processed shall be treated as part of its design if the limitation is enforceable by the U.S. EPA, IDEM, or the appropriate local air pollution control agency.”

The following table is used to determine the appropriate permit level under 326 IAC 2-7-10.5. This table reflects the PTE before controls. Control equipment is not considered federally enforceable until it has been required in a federally enforceable permit.

Pollutant	PTE New Emission Units (tons/year)	Net Increase to PTE of Modified Emission Unit (EU-1) (tons/year)	Total PTE for New and Modified Units (tons/year)
PM	1,318.36	-	1,318.36
PM ₁₀	1,318.78	-	1,318.78
SO ₂	0.67	-	0.67
VOC*	98.63	20.82	98.92
CO	6.11	-	6.11
NO _x	8.03	-	8.03
Highest Individual HAP (Xylenes)	182.57	82.29	264.86
Total HAPs	251.60	100.35	351.96

*For VOC, the potential to emit from EU-1, EU-5 and EU-9 will be limited by the permit. Therefore, it is less than the sum of the increase at EU-1 and the new units.

The one (1) small liquid line, identified as EU-1, has not been physically modified. However, the coatings used have changed, increasing the potential to emit. The FESOP included limits on the

potential to emit each individual HAP and total HAPs, so that the source was not subject to 326 IAC 2-7, Part 70. The applicant initially asked that the limits be applied to all coating operations, including the new facilities, so that the source can remain subject to 326 IAC 2-8, FESOP. However, the modification commencing in November 2005 and completed in February 2006 included a reconstruction, pursuant to 40 CFR 63.2, of the metal coating operations at this source. Pursuant to 40 CFR 63.3882(b), Subpart M MMMM, National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products, the affected source is the collection of all of the items listed below that are used for surface coating of miscellaneous metal parts and products within each subcategory.

- (a) All coating operations as defined in §63.3981;
- (b) All storage containers and mixing vessels in which coatings, thinners and/or other additives, and cleaning materials are stored or mixed;
- (c) All manual and automated equipment and containers used for conveying coatings, thinners and/or other additives, and cleaning materials; and
- (d) All storage containers and all manual and automated equipment and containers used for conveying waste materials generated by a coating operation.

Pursuant to 40 CFR 63.3883, the compliance date for a reconstructed affected source for which start-up occurred after January 2, 2004, is the date of initial startup. Therefore, the compliance date for 40 CFR 63, Subpart M MMMM has passed, and there was no limit in place for the reconstructed source, including the new facilities, that restricted the potential to emit HAPs to area source levels prior to the compliance date of the rule. Therefore, the source is subject to 40 CFR 63, Subpart M MMMM, and this source is a reconstructed affected source pursuant to that subpart.

Pursuant to 326 IAC 2-7-2(a)(3), a Part 70 permit is required for any source, including an area source, subject to a standard or other requirement under Section 112 of the Clean Air Act, or required to have a Part 70 permit under 326 IAC 20, except that a source is not required to obtain a Part 70 permit solely because it is subject to regulations or requirements under Section 112(r) of the Clean Air Act. This source is subject to a standard under Section 112, other than 112(r), of the Clean Air Act. Therefore, a Part 70 Operating Permit is required. The source has agreed to comply with all NESHAP requirements. Therefore, there is no annual HAP emission limitation in the permit.

Permit Level Determination – PSD or Emission Offset
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The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered federally enforceable only after issuance of this Part 70 permit, and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/facility	Potential to Emit (tons/year)						
	PM	PM₁₀	SO₂	VOC	CO	NO_x	HAPs
EU-1, excluding coating VOCs	0.595	0.657	0.007	0.290	0.920	1.10	91.3 (Xylenes); 123 total
EU-2	0.066	0.216	0.016	0.374	2.21	2.63	0.097 (Phosphorus); 0.147 total
EU-3	0.210	0.839	0.066	0.607	9.27	11.0	0.199 (Hexane); 0.208 total

Process/facility	Potential to Emit (tons/year)						
	PM	PM ₁₀	SO ₂	VOC	CO	NO _x	HAPs
EU-4	0.008	0.033	0.003	0.024	0.368	0.438	0.008 (Hexane); 0.008 total
EU-5, excluding coating VOCs	10.3	10.3	0.00	0.00	0.00	0.00	183 (Xylenes); 246 total
EU-6	0.092	0.366	0.029	0.265	4.05	4.82	0.087 (Hexane); 0.091 total
EU-7	0.000	0.000	0.000	0.705	0.000	0.129	0.129 (Phosphorus); 0.129 total
EU-8	0.009	0.037	0.003	0.026	0.405	0.482	0.009 (Hexane); 0.009 total
EU-9, excluding coating VOCs	2.85	2.85	0.00	0.00	0.00	0.00	2.88 (Triethylamine); 2.88 total
EU-10	0.000	0.000	0.630	0.000	0.000	0.630	0.558 (Chromium); 1.99 total
EU-12	0.008	0.033	0.003	0.024	0.368	0.438	0.008 (Hexane); 0.008 total
EU-13	0.021	0.083	0.007	0.060	0.920	1.10	0.020 (Hexane); 0.021 total
EU-14	0.00001	0.00003	0.000003	0.00002	0.00035	0.00042	0.00001
EU-1, EU-5 and EU-9 coating VOCs	-	-	-	97.5	-	-	-
Unpermitted Modification	13.3	13.7	0.673	98.9	6.11	8.03	265 (Xylenes); 352 total
Entire Source After Modification	14.2	15.5	0.762	< 100	18.5	22.8	274 (Xylenes); 375 total
PSD or Offset Threshold Level	250	250	250	100	250	100	-

- (a) This modification to an existing minor stationary source is not major because the emission increase of attainment pollutants is less than the PSD major source thresholds. Therefore, pursuant to 326 IAC 2-2, the PSD requirements do not apply.
- (b) This modification to an existing minor stationary source is not major because the emission increase of VOC is less than the Emission Offset major source thresholds. Therefore, pursuant to 326 IAC 2-3, the Emission Offset requirements do not apply.
- (c) This source is still not a major stationary source pursuant to 326 IAC 2-2, PSD, and 326 IAC 2-3, Emission Offset, because no attainment regulated pollutant is emitted at a rate of two hundred and fifty (250) tons per year or more and no nonattainment regulated pollutant is emitted at a rate of one hundred (100) tons per year or more.

- (d) See page 5 of Appendix A of this document for detailed calculations.

In order to render the requirements of 326 IAC 2-3, Emission Offset, not applicable, the applicant has agreed to the following limitations:

The VOC usage at the one (1) automated spray booth, identified as EU-1A, the one (1) primer booth at EU-5, the one (1) top coat booth at EU-5 and the one (1) tuff coat spray booth, identified as EU-9, shall not exceed 97.5 tons per consecutive twelve (12) month period, with compliance determined at the end of each month. The unrestricted potential VOC emissions from all other processes are 2.38 tons per year. Therefore, this will limit the potential to emit VOC to less than one hundred (100) tons per year. The applicant provided actual VOC emissions for the twelve (12) month period ending in June 2006. The VOC emissions were 4.716 tons. Therefore, although the modification was constructed and operated without prior approval, the source did not exceed the Emission Offset major source thresholds. Therefore, the source has not violated 326 IAC 2-3, Emission Offset.

Pursuant to 326 IAC 6-3-2(d), particulate from the one (1) automated spray booth, identified as EU-1A, the one (1) primer booth at EU-5, the one (1) top coat booth at EU-5, the one (1) tuff coat spray booth, identified as EU-9, and the one (1) powder spray booth, identified as EU-2B, shall be controlled by a dry particulate filter, waterwash, or an equivalent control device, and the Permittee shall operate the control device in accordance with manufacturer's specifications. This will render the requirements of 326 IAC 2-2, PSD, not applicable based on PM and PM₁₀ emissions.

Federal Rule Applicability Determination
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The following federal rules are applicable to the source due to this modification:

- (a) The one (1) boiler, identified as EU-3, was constructed in 1964, which is earlier than the earliest applicability date of 40 CFR 60, Subparts D, Da, Db or Dc (August 17, 1971). Therefore, the requirements of 40 CFR 60, Subparts D, Da, Db and Dc are not included in the permit for that boiler.
- (b) The one (1) boiler, identified as EU-4, constructed in 2006, and the one (1) insignificant boiler, identified as EU-14, constructed in 2004, have capacities of 1.0 and 0.000960 million British thermal units per hour, respectively, which are less than the lowest capacity boiler to which 40 CFR 60, Subparts D, Da, Db or Dc are applicable (10 million British thermal units per hour). Therefore, the requirements of 40 CFR 60, Subparts D, Da, Db and Dc are not included in the permit for those boilers.
- (c) There are no chromium electroplating or anodizing operations at this source. Therefore, the requirements of 40 CFR 63, Subpart N, National Emission Standards for Chromium Emissions From Hard and Decorative Chromium Electroplating and Chromium Anodizing Tanks, are not included in the permit.
- (d) There are no halogenated solvent cleaning operations at this source. Therefore, the requirements of 40 CFR 63, Subpart T, National Emission Standards for Halogenated Solvent Cleaning, are not included in the permit.
- (e) This source operates boilers at a major source of HAPs. Therefore, the requirements of 40 CFR 63, Subpart DDDDD, National Emission Standards for Hazardous Air Pollutants for Industrial/Commercial/Institutional Boilers and Process Heaters, are included in the permit.
- (1) The one (1) boiler, identified as EU-3 was constructed prior to January 13, 2003, and the one (1) boiler, identified as EU-14, was constructed after January 13, 2003, but the source was an area source of HAPs at the time boiler EU-14 was constructed. Therefore, the two (2) boilers, identified as EU-3 and EU-14, are an existing affected

source. The heat input capacity of the one (1) boiler, identified as EU-3, is greater than 10 million British thermal units per hour. Therefore, it is an existing large gaseous fuel unit. The heat input capacity of the one (1) boiler, identified as EU-14, is less than 10 million British thermal units per hour. Therefore, the one (1) boiler, identified as EU-14, is an existing small gaseous fuel unit.

- (2) The one (1) boiler, identified as EU-4, was constructed in 2006, and after the source became a major source of HAPs pursuant to 40 CFR 63.2. Therefore, the one (1) boiler, identified as EU-4, is a new affected source. The heat input capacity of the one (1) boiler, identified as EU-4, is less than 10 million British thermal units per hour. Therefore, the one (1) boiler, identified as EU-4, is a new small gaseous fuel unit.

Pursuant to 40 CFR 63.7495(c), for an area source that increases its emissions or its potential to emit such that it becomes a major source of HAP, any new boiler or process heater at the existing facility must be in compliance with this subpart upon startup and any existing boiler or process heater at the existing facility must be in compliance with this subpart within three (3) years after the facility becomes a major source. Therefore, the compliance date for the two (2) existing boilers, EU-3 and EU-14, is November 1, 2008, and the compliance date for the one (1) new boiler, EU-4, which has not been operated, is upon startup.

Pursuant to 40 CFR 63.7506(b), existing large gaseous fuel units are subject only to the initial notification requirements in §63.9(b) (i.e., they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSMP, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart or any other requirements in subpart A of this part). Therefore, the one (1) boiler, identified as EU-3, must submit an initial notification within 120 days of becoming subject to the standard (by approximately March 1, 2006 - The source became subject to the standard upon commencing construction of the facilities that made the source a major source of HAPs, which occurred approximately November 1, 2005). The boiler is not in compliance with this requirement.

Pursuant to 40 CFR 63.7506(c), existing and new small gaseous fuel units are not subject to the initial notification requirements in §63.9(b) and are not subject to any requirements in this subpart or in Subpart A of Part 63 (i.e., they are not subject to the emission limits, work practice standards, performance testing, monitoring, SSM plans, site-specific monitoring plans, recordkeeping and reporting requirements of this subpart, or any other requirements in Subpart A). Therefore, the two (2) boilers, identified as EU-4 and EU-14, are not subject to any specific requirements of this rule.

- (f) The modification commencing in November 2005 and completed in February 2006 included a reconstruction, pursuant to 40 CFR 63.2, of the metal coating operations at this source. Pursuant to 40 CFR 63.3882(b), Subpart Mmmm, National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products, the affected source is the collection of all of the items listed below that are used for surface coating of miscellaneous metal parts and products within each subcategory.
 - (1) All coating operations as defined in §63.3981;
 - (2) All storage containers and mixing vessels in which coatings, thinners and/or other additives, and cleaning materials are stored or mixed;
 - (3) All manual and automated equipment and containers used for conveying coatings, thinners and/or other additives, and cleaning materials; and

- (4) All storage containers and all manual and automated equipment and containers used for conveying waste materials generated by a coating operation.

Pursuant to 40 CFR 63.3981, *Coating operation* means equipment used to apply cleaning materials to a substrate to prepare it for coating application (surface preparation) or to remove dried coating; to apply coating to a substrate (coating application) and to dry or cure the coating after application; or to clean coating operation equipment (equipment cleaning). A single coating operation may include any combination of these types of equipment, but always includes at least the point at which a given quantity of coating or cleaning material is applied to a given part and all subsequent points in the affected source where organic HAP are emitted from the specific quantity of coating or cleaning material on the specific part. There may be multiple coating operations in an affected source. Coating application with handheld, non-refillable aerosol containers, touch-up markers, or marking pens is not a coating operation for the purposes of this subpart.

Pursuant to 40 CFR 63.3883, the compliance date for a reconstructed affected source for which start-up occurred after January 2, 2004, is the date of initial startup. Therefore, the compliance date for 40 CFR 63, Subpart M MMM has passed, and there was no limit in place for the reconstructed source, including the new facilities, that limited the potential to emit HAPs to area source levels prior to the compliance date of the rule. The source is subject to 40 CFR 63, Subpart M MMM, and this source is a reconstructed affected source pursuant to that subpart. The specific facilities subject to this rule include the specified portions of the following:

- (a) One (1) small liquid line, identified as EU-1, for coating and finishing metal parts, constructed in November 1971, consisting of:
- (1) One (1) alkaline cleaner station, using only non-VOC materials, exhausting to stack 6.
 - (2) Two (2) water rinse tanks.
 - (3) One (1) phosphate washer, with a material replacement rate of 1 quart in each 6-hour period.
 - (4) One (1) sealer application station, with a material replacement rate of 0.5 gallon per eight-hour shift.
 - (5) One (1) spray water rinse.
 - (6) One (1) dryer, fired by natural gas, exhausting to stack 3, heat input capacity: 1.0 million British thermal units per hour.
 - (7) One (1) automated spray booth, identified as EU-1A, equipped with electrostatic disk spray applicators and dry filters for overspray control, exhausting to stacks 4 and 5, capacity: 68 metal parts and 12 gallons of paint per hour.
 - (8) One (1) curing oven, fired by natural gas, exhausting to stack 2, heat input capacity: 1.5 million British thermal units per hour.

Under NESHAP 40 CFR 63 Subpart M MMM, units (4), (6), (7) and (8) are part of a reconstructed affected miscellaneous metal surface coating source.

- (b) One (1) powder coat line, identified as EU-2, for coating and finishing metal parts,

constructed in June 1997, consisting of:

- (1) One (1) alkaline cleaner station, using only non-VOC materials, exhausting to stacks 10 and 11.
- (2) Two (2) water rinse tanks.
- (3) One (1) phosphate washer, exhausting to stack 9, with a material replacement rate of 1 quart in each 6-hour period.
- (4) One (1) sealer application station, exhausting to stack 8, with a material replacement rate of 0.5 gallon per eight-hour shift.
- (5) One (1) spray water rinse.
- (6) One (1) dry off oven, identified as EU-2A, fired by natural gas, exhausting to stack 7, heat input capacity: 2.5 million British thermal units per hour.
- (7) One (1) curing oven, identified as EU-2C, fired by natural gas, exhausting to stack 1, heat input capacity: 3.5 million British thermal units per hour.
- (8) One (1) powder spray booth, identified as EU-2B, using electro-deposition of coatings and a dry filter, not exhausting through a stack, capacity: 46 metal parts per hour and 5.75 pounds of coating per hour.

Under NESHAP 40 CFR 63 Subpart M, units (4), (6), and (7) are part of a reconstructed affected miscellaneous metal surface coating source.

- (c) One (1) large liquid line, identified as EU-5, for coating and finishing metal parts, with the ovens identified as EU-6, constructed in November 2005 through February 2006, consisting of the following:

- (1) One (1) primer booth, equipped with HVLP spray applicators and dry filters as overspray control, exhausting to stacks 18 and 19, capacity: 12 gallons of primer per hour.
- (2) One (1) top coat booth, equipped with HVLP spray applicators and dry filters as overspray control, exhausting to stacks 16 and 17, capacity: 12 gallons of coatings per hour.
- (3) One (1) primer oven, fired by natural gas, exhausting to stack 20, heat input capacity: 5.0 million British thermal units per hour.
- (4) One (1) curing oven, fired by natural gas, exhausting to stack 15, heat input capacity: 6.0 million British thermal units per hour.

Under NESHAP 40 CFR 63 Subpart M, units (1), (2), (3) and (4) are part of a reconstructed affected miscellaneous metal surface coating source.

- (d) One (1) dip line, identified as EU-7, for coating and finishing metal parts, with the ovens identified as EU-8, constructed in September through November 2005, consisting of the following:

- (1) One (1) cleaner, using only non-VOC materials, exhausting to stack 24.

- (2) Two (2) water rinse tanks.
- (3) One (1) zinc phosphate operation, with a material replacement rate of 1 quart in each 6-hour period.
- (4) One (1) sealer application station, exhausting to stack 25, with a material replacement rate of 0.5 gallon per eight-hour shift.
- (5) One (1) drying oven, fired by steam.
- (6) One (1) curing oven, fired by natural gas, exhausting to stack 12, heat input capacity: 1.1 million British thermal units per hour.

Under NESHAP 40 CFR 63 Subpart M MMM, units (4), (5), and (6) are part of a reconstructed affected miscellaneous metal surface coating source.

- (e) One (1) tuff coat spray booth, identified as EU-9, for coating and finishing metal parts, constructed in December 2005, equipped with airless spray applicators, and dry filters as overspray control, exhausting to stack 26, capacity: 15 gallons of coatings per hour. Under NESHAP 40 CFR 63 Subpart M MMM, this facility is part of a reconstructed affected miscellaneous metal surface coating source.
- (f) One (1) batch oven for the tuff coat spray booth, identified as EU-12, constructed in January through February 2006, fired by natural gas, heat input capacity: 1.0 million British thermal units per hour. Under NESHAP 40 CFR 63 Subpart M MMM, this facility is part of a reconstructed affected miscellaneous metal surface coating source.
- (g) One (1) burn-off oven, identified as EU-13, fired by natural gas, constructed in December 2005, exhausting to stack 22, heat input capacity: 2.5 million British thermal units per hour. Under NESHAP 40 CFR 63 Subpart M MMM, this facility is part of a reconstructed affected miscellaneous metal surface coating source.

These processes fall into the general use coating subcategory because they are not high performance, magnet wire, rubber-to-metal, or extreme performance fluoropolymer coating operations. Non applicable portions of the NESHAP will not be included in the permit. The facilities are subject to the following portions of Subpart M MMM:

- (1) 63.3880
- (2) 63.3881(a)(1) and (2), and (b)
- (3) 63.3882(a), (b) and (d)
- (4) 63.3883(a)(2) and (d)
- (5) 63.3890(a)(1)
- (6) 63.3891(b)
- (7) 63.3892(a)
- (8) 63.3893(a)
- (9) 63.3900(a)(1) and (b)

- (10) 63.3901
- (11) 63.3910(a), (b), (c)(1) through (7) and (8)(ii)
- (12) 63.3920(a)(1) through (3)(v), (4) and (6)
- (13) 63.3930(a), (b), (c)(1) and (3), (d), (e), (f), (g), and (j)
- (14) 63.3931
- (15) 63.3950
- (16) 63.3951
- (17) 63.3952
- (18) 63.3980
- (19) 63.3981
- (20) Tables 2, 3 and 4

The provisions of 40 CFR 63 Subpart A – General Provisions, which are incorporated as 326 IAC 20-1-1, apply to the facilities described in this section except when otherwise specified in 40 CFR 63 Subpart Mmmm.

- (g) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to new or modified emission units that involve a pollutant-specific emission unit and meet the following criteria:
- (1) has a potential to emit before or after controls equal to or greater than the major source threshold for the pollutant involved;
 - (2) is subject to an emission limitation or standard for that pollutant; and
 - (3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

The following table is used to identify the applicability of each of the applicability criteria, under 40 CFR 64.1, to each new or modified emission unit involved:

Emission Unit	Control Device Used	Emission Limitation (Y/N)	Uncontrolled PTE PM (tons/year)	Controlled PTE PM (tons/year)	Major Source Threshold (tons/year)	CAM Applicable (Y/N)	Large Unit (Y/N)
Spray booth (EU-1A)	dry filters	Y	57.4	0.574	100	N	N
Powder spray booth (EU-2B)	dry filter	Y	16.4	0.016	100	N	N
One (1) primer booth (part of EU-5)	dry filters	Y	517	5.17	100	Y	N
One (1) top coat booth (part of EU-5)	dry filters	Y	517	5.17	100	Y	N
One (1) tuff coat	dry filters	Y	285	2.85	100	Y	N

spray booth (EU-9)							
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Based on this evaluation, the requirements of 40 CFR Part 64, CAM, are applicable to the one (1) primer booth and one (1) top coat booth, both identified as part of EU-5, and the one (1) tuff coat spray booth, identified as EU-9, upon issuance of the Title V Renewal. A CAM plan must be submitted as part of the Renewal application.

No other processes have emissions controls and no other pollutant are controlled at the emission units in the table. Therefore, the requirements of 40 CFR Part 64, CAM, are not applicable to the other facilities at this source.

State Rule Applicability Determination
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The following state rules are applicable to the source due to the modification:

1. 326 IAC 2-2 and 2-3 (PSD and Emission Offset)

PSD and Emission Offset applicability is discussed under the Permit Level Determination - PSD and Emission Offset section.

2. 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAP))

The operation of the one (1) small liquid line, identified as EU-1, and the operation of the one (1) large liquid line, identified as EU-5, will each emit greater than ten (10) tons per year for a single HAP and greater than twenty-five (25) tons per year for a combination of HAPs. Therefore, 326 IAC 2-4.1 would apply to the one (1) small liquid line, identified as EU-1, and the one (1) large liquid line, identified as EU-5. However, pursuant to 326 IAC 2-4.1-1(b)(2), because these facilities are specifically regulated by NESHAP 40 CFR 63, Subpart M, which was issued pursuant to Section 112(d) of the Clean Air Act (CAA), this source is exempt from the requirements of 326 IAC 2-4.1.

3. 326 IAC 2-6 (Emission Reporting)

Since this source is required to have an operating permit under 326 IAC 2-7, Part 70 Permit Program, this source is subject to 326 IAC 2-6 (Emission Reporting). In accordance with the compliance schedule in 326 IAC 2-6-3, an emission statement must be submitted triennially. The first report is due no later than July 1, 2007, and subsequent reports are due every three (3) years thereafter. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

4. 326 IAC 6-2-3 (Particulate Emissions Limitations for Sources of Indirect Heating)

The one (1) boiler, identified as EU-3, was constructed prior to September 24, 1983, and must comply with the PM emission limitations of 326 IAC 6-2-3. There were two (2) boilers, each with a capacity of 25.2 million British thermal units per hour, in existence at this source on June 8, 1972. Therefore, the limitation for this boiler is based on the following equation given in 326 IAC 6-2-3:

$$Pt = C \times a \times h / 76.5 \times Q^{0.75} \times N^{0.25}$$

where:

Pt = Pounds of particulate matter emitted per million British thermal units (lb/MMBtu) heat input

Q = Total source maximum operating capacity rating in million British thermal units per hour (MMBtu/hr) heat input. The maximum operating capacity rating is defined as the maximum capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is

contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used. (50.4)

C = Maximum ground level concentration with respect to distance from the point source at the "critical" wind speed for level terrain. This shall equal 50 micrograms per cubic meter for a period not to exceed a sixty (60) minute time period.

N = Number of stacks in fuel burning operation. (2)

a = Plume rise factor which is used to make allowance for less than theoretical plume rise. The value 0.67 shall be used for Q less than or equal to 1,000 MMBtu/hr heat input. The value 0.8 shall be used for Q greater than 1,000 MMBtu/hr heat input.

h = Stack height in feet. (40)

Pursuant to 326 IAC 6-2-3(d), the values in the equation shall represent the values for the total of all facilities in operation on June 8, 1972. The resulting Pt is the emission limitation for each boiler.

$$Pt = 50 \times 0.67 \times 40 / 76.5 \times (50.4)^{0.75} \times 2^{0.25} = 0.78 \text{ lb/MMBtu}$$

Based on AP-42, the potential particulate emissions from the one (1) boiler, identified as EU-3, are 0.0019 lb/MMBtu (1.90 lb/MMcf x 1 MMcf/1,000 MMBtu = 0.0019 lb/MMBtu). Therefore, this boiler can comply with this limitation.

5. 326 IAC 6-2-4 (Particulate Emissions Limitations for Sources of Indirect Heating)

(a) The one (1) boiler, identified as EU-14, constructed in 2004, must comply with the PM emission limitations of 326 IAC 6-2-4. When the boiler was constructed, the total heat input capacity of all boilers at this source was 50.4 MMBtu/hr. The limitation for this boiler is based on the following equation given in 326 IAC 6-2-4:

$$Pt = 1.09 / Q^{0.26}$$

where:

Pt = Pounds of particulate matter emitted per million British thermal units (lb/MMBtu) heat input

Q = Total source maximum operating capacity rating in million British thermal units per hour (MMBtu/hr) heat input. The maximum operating capacity rating is defined as the maximum capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used.

$$Pt = 1.09 / (50.40096)^{0.26} = 0.39 \text{ lb/MMBtu}$$

Based on AP-42, the potential particulate emissions from the one (1) boiler, identified as EU-3, are 0.0019 lb/MMBtu (1.90 lb/MMcf x 1 MMcf/1,000 MMBtu = 0.0019 lb/MMBtu). Therefore, this boiler can comply with this limitation.

(b) The one (1) boiler, identified as EU-4, constructed in 2006, must comply with the PM emission limitations of 326 IAC 6-2-4. When the boiler was constructed, the total heat input capacity of all boilers at this source was 25.20096 MMBtu/hr, because the old boiler, also identified as EU-02, had been removed. The limitation for this boiler is based on the following

equation given in 326 IAC 6-2-4:

$$Pt = 1.09 / Q^{0.26}$$

where:

Pt = Pounds of particulate matter emitted per million British thermal units (lb/MMBtu) heat input

Q = Total source maximum operating capacity rating in million British thermal units per hour (MMBtu/hr) heat input. The maximum operating capacity rating is defined as the maximum capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used. (26.20096)

$$Pt = 1.09 / (26.20096)^{0.26} = 0.47 \text{ lb/MMBtu}$$

Based on AP-42, the potential particulate emissions from the one (1) boiler, identified as EU-3, are 0.0019 lb/MMBtu (1.90 lb/MMcf x 1 MMcf/1,000 MMBtu = 0.0019 lb/MMBtu). Therefore, this boiler can comply with this limitation.

6. 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes)

- (a) Pursuant to 326 IAC 6-3-2(d), the dry filters for particulate control shall be operation in accordance with manufacturer's specifications and control emissions from the one (1) automated spray booth, identified as EU-1A, the one (1) primer booth at EU-5, the one (1) top coat booth at EU-5, the one (1) tuff coat spray booth, identified as EU-9, and the one (1) powder spray booth, identified as EU-2B, at all times when one (1) automated spray booth, identified as EU-1A, the one (1) primer booth at EU-5, the one (1) top coat booth at EU-5, the one (1) tuff coat spray booth, identified as EU-9, and the one (1) powder spray booth, identified as EU-2B, are in operation.
- (b) This source will operate according to a valid operating permit under 326 IAC 2-7. Therefore, pursuant to 326 IAC 6-3-2(d)(3), the source is exempt from the requirements of 326 IAC 6-3-2(d)(2).
- (c) The potential emissions from all other processes at this source are less than 0.551 pounds per hour, each. Therefore, pursuant to 326 IAC 6-3-1(b)(14), those processes are exempt from the requirements of 326 IAC 6-3.

7. 326 IAC 8-1-6 (New facilities; General reduction requirements)

- (a) The one (1) primer booth at EU-5, the one (1) top coat booth at EU-5, and the one (1) tuff coat spray booth, identified as EU-9, were all constructed after January 1, 1980, and all have potential VOC emissions greater than twenty-five (25) tons per year. However, those processes are regulated by 326 IAC 8-2-9. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.
- (b) The one (1) automated spray booth, identified as EU-1A, with potential VOC emissions greater than twenty-five (25) tons per year, was constructed prior to January 1, 1980. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.
- (c) The potential VOC emissions from all other facilities at this source are less than twenty-five (25) tons per year. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

8. 326 IAC 8-2-9 (Miscellaneous Metal Coating)

The one (1) automated spray booth, identified as EU-1A, the one (1) primer booth at EU-5, the one (1) top coat booth at EU-5, the one (1) tuff coat spray booth, identified as EU-9, and the one (1) powder spray booth, identified as EU-2B, perform metal coating operations at this metal finishing source.

- (a) The one (1) automated spray booth, identified as EU-1A, was constructed prior to 1980 in Allen County. Therefore, the requirements of 326 IAC 8-2-9 are not applicable.
- (b) The one (1) primer booth at EU-5, the one (1) top coat booth at EU-5, and the one (1) tuff coat spray booth, identified as EU-9, were all constructed after January 1, 1990, and all have actual VOC emissions greater than fifteen (15) pounds per day. Therefore, these facilities are subject to the requirements of 326 IAC 8-2-9.

Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the volatile organic compound (VOC) content of coating delivered to the applicator at the spray booths shall be limited to 3.5 pounds of VOCs per gallon of coating less water, for forced warm air dried coatings.

Solvent sprayed from application equipment during cleanup or color changes shall be directed into containers. Such containers shall be closed as soon as such solvent spraying is complete, and the waste solvent shall be disposed of in such a manner that evaporation is minimized.

Based on the MSDS submitted by the source and calculations made, the spray booths can comply with this requirement.

- (c) The one (1) powder coat line, constructed after 1990 in Allen County, has potential VOC emissions less than fifteen (15) pounds per day. Therefore, the actual VOC emissions are less than fifteen (15) pounds per day, and the requirements of 326 IAC 8-2-9 are not applicable.

There are no other 326 IAC 8-2 rules that apply to this source.

9. 326 IAC 8-3 (Organic Solvent Degreasing Operations)

There are no organic solvent degreasing operations at this source. Therefore, the requirements of 326 IAC 8-3 are not applicable.

10. 326 IAC 8-6 (Organic Solvent Emission Limitations)

This source, including the one (1) automated spray booth, identified as EU-1A, was constructed prior to October 7, 1974, in Allen County. Therefore, the requirements of 326 IAC 8-6 are not applicable.

11. 326 IAC 7-1.1 (Sulfur Dioxide Emission Limitations)

The potential to emit SO₂ from the facilities at this source is less than twenty-five (25) tons per year and ten (10) pounds per hour. Therefore, the requirements of 326 IAC 7-1.1 are not applicable.

12. 326 IAC 9 (Carbon Monoxide Emission Limitations)

There is no emission limitation established in 326 IAC 9-2 for the types of facilities at this source. Therefore, the requirements of 326 IAC 9 are not applicable.

13. 326 IAC 10-4 (Nitrogen Oxides Budget Trading Program)

There are no large affected units or electricity generating units, with electricity for sale, at this source. Therefore, the requirements of 326 IAC 10-4 are not applicable.

Compliance Determination and Monitoring Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with all applicable state and federal rules on a continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a continuous demonstration. When this occurs, IDEM, OAQ, in conjunction with the source, must develop specific conditions to satisfy 326 IAC 2-7-5. As a result, Compliance Determination Requirements are included in the permit. The Compliance determination requirements in Section D of the permit are those conditions that are found directly within state and federal rules and the violation of which serves as grounds for enforcement action.

If the Compliance Determination Requirements are not sufficient to demonstrate continuous compliance, they will be supplemented with Compliance Monitoring Requirements, also in Section D of the permit. Unlike Compliance Determination Requirements, failure to meet Compliance Monitoring conditions would serve as a trigger for corrective actions and not grounds for enforcement action. However, a violation in relation to a compliance monitoring condition will arise through a source's failure to take the appropriate corrective actions within a specific time period.

The compliance determination requirements applicable to this source are as follows:

The one (1) primer booth at EU-5, the one (1) top coat booth at EU-5, and the one (1) tuff coat spray booth, identified as EU-9, have applicable compliance determination conditions as specified below:

Compliance with the VOC content and usage limitations shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

The compliance monitoring requirements applicable to this source are as follows:

- (a) Daily inspections shall be performed to verify the placement, integrity and particle loading of the filters. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating booth stacks (stacks 4, 5, 16, 17, 18 and 19) while one or more of the booths exhausting to that stack are in operation. If a condition exists which should result in a response step, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.
- (b) Monthly inspections shall be performed of the coating emissions from the stack and the presence of overspray on the rooftops and the nearby ground. The Compliance Response Plan for this unit shall contain troubleshooting contingency and response steps for when a noticeable change in overspray emission, or evidence of overspray emission is observed. If a condition exists which should result in a response step, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

Proposed Changes

The source has constructed and has been operating under F 003-18344-00329, issued on April 23, 2004.

All terms and conditions of previous permits issued pursuant to permitting programs approved into the state implementation plan have been either incorporated as originally stated, revised, or deleted by this proposed permit. All previous registrations and permits are superseded by this permit.

The following terms and conditions from previous approvals have been determined no longer applicable; therefore, were not incorporated into this proposed Part 70 Operating Permit:

- (a) All construction conditions from all previously issued permits.

Reason not incorporated: All facilities previously permitted have already been constructed; therefore, the construction conditions are no longer necessary as part of the operating permit.

- (b) All FESOP conditions, including but not limited to the HAP usage limitations in Condition D.1.3 of F 003-18344-00329, issued on April 23, 2004.

Reason not incorporated: The source transitioned to a Title V, Part 70 Operating Permit; therefore, the FESOP limits are no longer applicable.

Conclusion and Recommendation

The construction and operation of this stationary metal finishing source shall be subject to the conditions of the attached proposed Part 70 Operating Permit No. T 003-22489-00329. The staff recommends to the Commissioner that this Part 70 Operating Permit be approved.

**Appendix A: Emissions Calculations
VOC and Particulate
From Surface Coating Operations**

**Company Name: Coating Consultants LLC dba Nu-Tec Coatings
Address City IN Zip: 1615 Fletcher Avenue, Suite A, Fort Wayne, IN 46803
Approval Number: 003-22489-00329
Reviewer: CarrieAnn Paukowits
Application Date: December 30, 2005**

Material	Density (Lb/Gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential (ton/yr)	Transfer Efficiency
EU-1A														
N-8046	10.41	33.65%	0.00%	33.65%	0.0%	12	1	3.50	3.50	42.04	1008.85	184.12	36.30	90%
V66V44	9.32	29.00%	0.00%	29.00%	0.0%	12	1	2.70	2.70	32.43	778.41	142.06	34.78	90%
N-8048	10.75	32.00%	0.00%	32.00%	0.0%	12	1	3.44	3.44	41.26	990.32	180.73	38.41	90%
N-7397	11.58	29.80%	0.00%	29.80%	0.0%	12	1	3.45	3.45	41.41	993.73	181.36	42.72	90%
Activator T-272	9.00	25.00%	0.00%	25.00%	0.0%	12	1	2.25	2.25	26.99	647.74	118.21	35.46	90%
3.5 Black Polyurethane	12.41	12.00%	0.00%	12.00%	0.0%	12	1	1.49	1.49	17.87	428.95	78.28	57.41	90%
EU-5														
Primer Booth														
N-8046	10.41	33.65%	0.00%	33.65%	0.0%	12	1	3.50	3.50	42.04	1008.85	184.12	326.73	10%
V66V44	9.32	29.00%	0.00%	29.00%	0.0%	12	1	2.70	2.70	32.43	778.41	142.06	313.02	10%
N-8048	10.75	32.00%	0.00%	32.00%	0.0%	12	1	3.44	3.44	41.26	990.32	180.73	345.65	10%
N-7397	11.58	29.80%	0.00%	29.80%	0.0%	12	1	3.45	3.45	41.41	993.73	181.36	384.50	10%
Activator T-272	9.00	25.00%	0.00%	25.00%	0.0%	12	1	2.25	2.25	26.99	647.74	118.21	319.17	10%
3.5 Black Polyurethane	12.41	12.00%	0.00%	12.00%	0.0%	12	1	1.49	1.49	17.87	428.95	78.28	516.67	10%
Topcoat Booth														
N-8046	10.41	33.65%	0.00%	33.65%	0.0%	12	1	3.50	3.50	42.04	1008.85	184.12	326.73	10%
V66V44	9.32	29.00%	0.00%	29.00%	0.0%	12	1	2.70	2.70	32.43	778.41	142.06	313.02	10%
N-8048	10.75	32.00%	0.00%	32.00%	0.0%	12	1	3.44	3.44	41.26	990.32	180.73	345.65	10%
N-7397	11.58	29.80%	0.00%	29.80%	0.0%	12	1	3.45	3.45	41.41	993.73	181.36	384.50	10%
Activator T-272	9.00	25.00%	0.00%	25.00%	0.0%	12	1	2.25	2.25	26.99	647.74	118.21	319.17	10%
3.5 Black Polyurethane	12.41	12.00%	0.00%	12.00%	0.0%	12	1	1.49	1.49	17.87	428.95	78.28	516.67	10%
EU-9														
Ultra Tuff	8.76	45.00%	44.00%	1.00%	52.1%	15	1	0.18	0.09	1.31	31.54	5.76	284.89	10%

PM Control Efficiency: 99.00%

State Potential Emissions	Add worst case coating to all solvents	Uncontrolled	127	3058	558	1376
		Controlled	127	3058	558	13.8

METHODOLOGY

Pounds of VOC per Gallon Coating less Water = (Density (lb/gal) * Weight % Organics) / (1-Volume % water)
Pounds of VOC per Gallon Coating = (Density (lb/gal) * Weight % Organics)
Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr)
Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (24 hr/day)
Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (8760 hrs/yr) * (1 ton/2000 lbs)
Particulate Potential Tons per Year = (units/hour) * (gal/unit) * (lbs/gal) * (1- Weight % Volatiles) * (1-Transfer efficiency) *(8760 hrs/yr) *(1 ton/2000 lbs)
Pounds VOC per Gallon of Solids = (Density (lbs/gal) * Weight % organics) / (Volume % solids)
Total = Worst Coating + Sum of all solvents used

Powder coating

Coating Usage (lbs/hr)	Weight % Solids	Transfer Efficiency	Particulate Potential (tons/yr)	Control Efficiency	Particulate Potential after Control (tons/yr)
5.75	100%	65.0%	16.4	99.9%	0.016

METHODOLOGY

Particulate Potential (tons/yr) = Coating Usage (lbs/hr) * (Weight % Solids) * (1-Transfer efficiency) *(8760 hrs/yr) *(1 ton/2000 lbs)
Particulate Potential after Control (tons/yr) = Particulate Potential (tons/yr) x (1 - Control Efficiency)

Appendix A: Emission Calculations
HAP Emission Calculations

Company Name: Coating Consultants LLC dba Nu-Tec Coatings
Address City IN Zip: 1615 Fletcher Avenue, Suite A, Fort Wayne, IN 46803
Approval Number: 003-22489-00329
Reviewer: CarrieAnn Paukowits
Application Date: December 30, 2005

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Triethylamine	Weight % Toluene-2,4-diisocyanate	Weight % Chromium	Weight % Xylenes	Weight % HDI	Weight % Ethylbenzene	Triethylamine Emissions (tons/yr)	Toluene-2,4-diisocyanate Emissions (tons/yr)	Chromium Emissions (tons/yr)	Xylenes Emissions (tons/yr)	HDI Emissions (tons/yr)	Ethylbenzene Emissions (tons/yr)	Total Emissions Emissions (tons/yr)
EU-1A																
N-8046	10.41	12	1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V66V44	9.32	12	1	0.00%	0.80%	0.00%	0.00%	0.00%	0.00%	0.00	3.92	0.00	0.00	0.00	0.00	3.92
N-8048	10.75	12	1	0.00%	0.00%	5.00%	0.00%	0.00%	0.00%	0.00	0.00	25.42	0.00	0.00	0.00	25.42
N-7397	11.58	12	1	0.00%	0.00%	0.00%	15.00%	5.00%	0.25%	0.00	0.00	0.00	91.29	30.43	1.52	123.24
Activator T-272	9.00	12	1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.5 Black Polyurethane	12.41	12	1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EU-5																
Primer Booth																
N-8046	10.41	12	1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V66V44	9.32	12	1	0.00%	0.80%	0.00%	0.00%	0.00%	0.00%	0.00	3.92	0.00	0.00	0.00	0.00	3.92
N-8048	10.75	12	1	0.00%	0.00%	5.00%	0.00%	0.00%	0.00%	0.00	0.00	25.42	0.00	0.00	0.00	25.42
N-7397	11.58	12	1	0.00%	0.00%	0.00%	15.00%	5.00%	0.25%	0.00	0.00	0.00	91.29	30.43	1.52	123.24
Activator T-272	9.00	12	1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.5 Black Polyurethane	12.41	12	1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Topcoat Booth																
N-8046	10.41	12	1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
V66V44	9.32	12	1	0.00%	0.80%	0.00%	0.00%	0.00%	0.00%	0.00	3.92	0.00	0.00	0.00	0.00	3.92
N-8048	10.75	12	1	0.00%	0.00%	5.00%	0.00%	0.00%	0.00%	0.00	0.00	25.42	0.00	0.00	0.00	25.42
N-7397	11.58	12	1	0.00%	0.00%	0.00%	15.00%	5.00%	0.25%	0.00	0.00	0.00	91.29	30.43	1.52	123.24
Activator T-272	9.00	12	1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3.5 Black Polyurethane	12.41	12	1	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00
EU-9																
Ultra Tuff	8.76	15	1	0.50%	0.00%	0.00%	0.00%	0.00%	0.00%	2.88	0.00	0.00	0.00	0.00	0.00	2.88

Total State Potential Emissions **2.88 11.8 76.2 274 91.3 4.56 373**

METHODOLOGY

HAPS emission rate (tons/yr) = Density (lb/gal) * Gal of Material (gal/unit) * Maximum (unit/hr) * Weight % HAP * 8760 hrs/yr * 1 ton/2000 lbs
Chromium emissions are adjusted by the 10% transfer efficiency (Chromium usage x (1 - transfer efficiency))

Appendix A: Emissions Calculations
Material Usage Emissions

Company Name: Coating Consultants LLC dba Nu-Tec Coatings
Address City IN Zip: 1615 Fletcher Avenue, Suite A, Fort Wayne, IN 46803
Approval Number: 003-22489-00329
Reviewer: CarrieAnn Paukowits
Application Date: December 30, 2005

Process	Material Usage Rate (gal/8-hr shift)	Density (lbs/gal)	Weight % VOC	Weight % Hydrofluoric Acid	Weight % Phosphoric Acid	Weight % Chromic Acid	Weight % Nitric Acid	Weight % Sulfuric Acid	PTE VOC (tons/yr)	PTE Hydrofluoric Acid (tons/yr)	PTE Phosphorus (tons/yr)	PTE Chromium Compounds (tons/yr)	PTE Total HAPs (tons/yr)	PTE NOx (tons/yr)	PTE SO2 (tons/yr)
EU-1 Phosphate Washer Sealer Application Station	0.19 0.5	9.46 8.4	0.00% 10.00%	0.00% 0.00%	10.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.000 0.230	0.000 0.000	0.097 0.000	0.000 0.000	0.097 0.000	0.000 0.000	0.000 0.000
EU-2 Phosphate Washer Sealer Application Station	0.19 0.5	9.46 8.4	0.00% 10.00%	0.00% 0.00%	10.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.00% 0.00%	0.000 0.230	0.000 0.000	0.097 0.000	0.000 0.000	0.097 0.000	0.000 0.000	0.000 0.000
EU-7 Zinc Phosphate Operation Sealer Application Station	0.19 0.5	12.60 8.58	0.00% 30.00%	0.00% 0.00%	10.00% 0.00%	0.00% 0.00%	10.00% 0.00%	0.00% 0.00%	0.000 0.705	0.000 0.000	0.129 0.000	0.000 0.000	0.129 0.000	0.129 0.000	0.000 0.000
EU-10 De-oxidizing Operation Chromate Operation	0.5 0.5	11.500 10.2	0.00% 0.00%	1.00% 10.00%	0.00% 40.00%	0.00% 20.00%	20.00% 0.00%	20.00% 0.00%	0.000 0.000	0.031 0.279	0.000 1.117	0.000 0.558	0.031 1.955	0.630 0.000	0.630 0.000
Total:									1.16	0.311	1.44	0.558	2.31	0.759	0.630

Phosphoric Acid and Chromic Acid are not HAPs. However, Phosphorus and Chromium Compounds, which are possible decomposition products of these materials, are HAPs. Although those emissions are likely negligible, they are conservatively estimated as the usage rate of the corresponding acid. NOx and SO2 emissions are estimated in the same way.

**Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100**

Company Name: Coating Consultants LLC dba Nu-Tec Coatings
Address City IN Zip: 1615 Fletcher Avenue, Suite A, Fort Wayne, IN 46803
Approval Number: 003-22489-00329
Reviewer: CarrieAnn Paukowits
Application Date: December 30, 2005

Emission Factor in lb/MMCF	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
	1.90	7.60	0.600	100	5.50	84.0
				**see below		

*PM emission factor is filterable PM only. PM-10 emission factor is filterable and condensable PM-10 combined.

**Emission Factors for NOx: Uncontrolled = 100, Low NOx Burner = 50, Low NOx Burners/Flue gas recirculation = 32

Equipment	Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr	Potential Emission in tons/yr						
			PM*	PM10*	SO2	NOx	VOC	CO	
EU-1									
Dryer	1.00	8.76	0.008	0.033	0.003	0.438	0.024	0.368	
Curing Oven	1.50	13.14	0.012	0.050	0.004	0.657	0.036	0.552	
EU-2									
Dry Off Oven (EU-2A)	2.50	21.9	0.021	0.083	0.007	1.095	0.060	0.920	
Curing Oven (EU-2C)	3.50	30.66	0.029	0.117	0.009	1.533	0.084	1.288	
EU-6									
Primer Oven	5.00	43.8	0.042	0.166	0.013	2.190	0.120	1.840	
Curing Oven	6.00	52.56	0.050	0.200	0.016	2.628	0.145	2.208	
Curing Oven (EU-8)	1.10	9.636	0.009	0.037	0.003	0.482	0.026	0.405	
Batch Oven (EU-12)	1.00	8.76	0.008	0.033	0.003	0.438	0.024	0.368	
Boiler (EU-3)	25.20	220.752	0.210	0.839	0.066	11.038	0.607	9.272	
Boiler (EU-4)	1.00	8.76	0.008	0.033	0.003	0.438	0.024	0.368	
Burn-off Oven (EU-13)	2.50	21.9	0.021	0.083	0.007	1.095	0.060	0.920	
Boiler (insignificant) (EU-14)	0.00096	0.0084096	0.00001	0.00003	0.000003	0.00042	0.00002	0.00035	
Total	50.30	441	0.419	1.67	0.132	22.0	1.21	18.5	

HAPs - Organics

Emission Factor in lb/MMcf	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
	0.0021	0.0012	0.0750	1.8000	0.0034
Potential Emission in tons/yr	0.0005	0.0003	0.017	0.397	0.0007

HAPs - Metals

Emission Factor in lb/MMcf	Lead	Cadmium	Chromium	Manganese	Nickel	Total HAPs
	0.0005	0.0011	0.0014	0.0004	0.0021	
Potential Emission in tons/yr	0.0001	0.0002	0.0003	0.0001	0.0005	0.416

Methodology

All emission factors are based on normal firing.

MMBtu = 1,000,000 Btu

MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu

Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03

(SUPPLEMENT D 3/98)

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

The five highest organic and metal HAPs emission factors are provided above.

Additional HAPs emission factors are available in AP-42, Chapter 1.4.

Appendix A: Emissions Calculations
Emissions Summary

Company Name: Coating Consultants LLC dba Nu-Tec Coatings
Address City IN Zip: 1615 Fletcher Avenue, Suite A, Fort Wayne, IN 46803
Approval Number: 003-22489-00329
Reviewer: CarrieAnn Paukowitz
Application Date: December 30, 2005

Unrestricted Potential Emissions (tons/yr)

	PM	PM10	SO2	NOx	VOC	CO	Triethylamine	Toluene-2,4-dicyanate	Chromium	Xylenes	HDI	Ethylbenzene	Hydrofluoric Acid	Phosphorus	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene	Lead	Cadmium	Manganese	Nickel	Total HAPs	
EU-1	57.43	57.49	0.01	1.10	184.41	0.92	0.0000	3.9189	25.4160	91.2865	30.4288	1.5214	0.0000	0.0971	0.0000	0.0000	0.0008	0.0197	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	123
EU-2	16.57	16.57	0.02	2.63	0.37	2.21	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0971	0.0001	0.0000	0.0020	0.0473	0.0001	0.0000	0.0000	0.0000	0.0001	0.147	
EU-3	0.21	0.84	0.07	11.04	0.61	9.27	0.0000	0.0000	0.0002	0.0000	0.0000	0.0000	0.0000	0.0000	0.0002	0.0001	0.0083	0.1987	0.0004	0.0001	0.0001	0.0000	0.0002	0.208	
EU-4	0.01	0.03	0.00	0.44	0.02	0.37	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0079	0.0000	0.0000	0.0000	0.0000	0.0000	0.008	
EU-5	1033.34	1033.34	0.00	0.00	368.23	0.00	0.0000	7.8377	50.8315	182.5729	60.8576	3.0429	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	246	
EU-6	0.09	0.37	0.03	4.82	0.26	4.05	0.0000	0.0000	0.0001	0.0000	0.0000	0.0000	0.0000	0.0000	0.0001	0.0001	0.0036	0.0867	0.0002	0.0000	0.0001	0.0001	0.0001	0.091	
EU-7	0.00	0.00	0.00	0.13	0.70	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.1293	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.129	
EU-8	0.01	0.04	0.00	0.48	0.03	0.40	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0004	0.0087	0.0000	0.0000	0.0000	0.0000	0.0000	0.009	
EU-9	284.89	284.89	0.00	0.00	5.76	0.00	2.8777	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	2.88	
EU-10	0.000	0.000	0.630	0.630	0.000	0.000	0.000	0.558	0.0000	0.0000	0.0000	0.3107	1.1169	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.99	
EU-12	0.008	0.033	0.003	0.438	0.024	0.37	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0003	0.0079	0.0000	0.0000	0.0000	0.0000	0.0000	0.008	
EU-13	0.021	0.083	0.007	1.095	0.060	0.92	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0008	0.0197	0.0000	0.0000	0.0000	0.0000	0.0000	0.021	
EU-14	0.00003	0.00003	0.000	0.000	0.000	0.00	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.00001	
Total	1392.42	1393.68	0.762	22.79	560.48	18.51	2.88	11.76	76.81	273.86	91.29	4.56	0.311	1.44	0.0005	0.0003	0.017	0.397	0.0007	0.0001	0.0002	0.0001	0.0005	375.31	
Total excluding EU-1, EU-2, EU-3 & EU-14 (Total for Physically Modified Units)	1318.36	1318.78	0.673	8.03	375.09	6.11	2.88	7.84	51.39	182.57	60.86	3.04	0.311	1.25	0.0002	0.00009	0.005	0.131	0.0002	0.00004	0.00008	0.00008	0.0002	251.60	

Potential to Emit after Controls and Limitations (after Approval) (tons/yr)

	PM	PM10	SO2	NOx	VOC	CO	Triethylamine	Toluene-2,4-dicyanate	Chromium	Xylenes	HDI	Ethylbenzene	Hydrofluoric Acid	Phosphorus	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene	Lead	Cadmium	Manganese	Nickel	Total HAPs	
EU-1*	0.595	0.657	0.007	1.095	0.290	0.920	0.000	3.919	25.416	91.286	30.429	1.521	0.000	0.097	0.000	0.000	0.001	0.020	0.000	0.000	0.000	0.000	0.000	0.000	123.355
EU-2	0.066	0.216	0.016	2.628	0.374	2.208	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.097	0.000	0.000	0.002	0.047	0.000	0.000	0.000	0.000	0.000	0.000	0.147
EU-3	0.210	0.839	0.066	11.038	0.607	9.272	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.199	0.000	0.000	0.000	0.000	0.000	0.208	
EU-4	0.008	0.033	0.003	0.438	0.024	0.368	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.008	
EU-5*	10.333	10.333	0.000	0.000	see below	0.000	0.000	7.838	50.831	182.573	60.858	3.043	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	246.473
EU-6	0.092	0.366	0.029	4.818	0.265	4.047	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.004	0.087	0.000	0.000	0.000	0.000	0.000	0.091	
EU-7	0.000	0.000	0.000	0.129	0.705	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.129	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.129	
EU-8	0.009	0.037	0.003	0.482	0.026	0.405	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.009	0.000	0.000	0.000	0.000	0.000	0.009	
EU-9*	2.849	2.849	0.000	0.000	see below	0.000	2.878	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	2.878	
EU-10	0.000	0.000	0.630	0.630	0.000	0.000	0.000	0.558	0.000	0.000	0.000	0.311	1.117	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	1.986	
EU-12	0.008	0.033	0.003	0.438	0.024	0.368	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.008	0.000	0.000	0.000	0.000	0.000	0.008	
EU-13	0.021	0.083	0.007	1.095	0.060	0.920	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.020	0.000	0.000	0.000	0.000	0.000	0.021	
EU-14	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
*EU-1 coating, EU-5 & EU-9	see above	see above	see above	see above	97.5	see above	see above	see above	see above	see above	see above	see above	see above	see above	see above	see above	see above	see above	see above	see above	see above	see above	see above	see above	
Total	14.19	15.45	0.762	22.79	99.90	18.51	2.88	11.76	76.81	273.86	91.29	4.56	0.311	1.44	0.0005	0.0003	0.017	0.397	0.0007	0.0001	0.0002	0.0001	0.0005	375.31	

Total excluding EU-1, EU-2, EU-3 & EU-14 (Total for Physically Modified Units)	13.32	13.73	0.673	8.03	98.63	6.11	2.88	7.84	51.39	182.57	60.86	3.04	0.311	1.25	0.0002	0.0001	0.005	0.131	0.0002	0.00004	0.00008	0.00008	0.00015	251.60
Increase in Potential to Emit at EU-1 (Limited PTE in Proposed - Limited PTE in FESOP)	0.00	0.00	0.00	0.00	20.82	0.00	0.00	0.00	16.42	82.29	21.43	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100.35
Total Increase in Potential to Emit due to the Modification*	13.32	13.73	0.673	8.03	98.92	6.11	2.88	7.84	67.81	264.86	82.29	3.04	0.311	1.25	0.0002	0.0001	0.005	0.131	0.0002	0.00004	0.00008	0.00008	0.0002	351.96

*For VOC, the potential to emit from EU-1, EU-5 and EU-9 is limited by the permit. Therefore, it is less than the sum of the increase at EU-1 and the new units.

History of Potential to Emit HAPs

	Triethylamine	Toluene-2,4-dicyanate	Chromium	Xylenes	HDI	Ethylbenzene	Hydrofluoric Acid	Phosphorus	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene	Lead	Cadmium	Manganese	Nickel	Total HAPs
End of 2004 Existing Source Total PTE (including EU-1, EU-2, EU-3 and EU-14)	0.00	3.92	9.00	9.00	9.00	1.52	0.00	0.194	0.0003	0.0002	0.011	0.266	0.001	0.0001	0.0002	0.0001	0.0003	23.36
EU-7 and EU-8 (const. 9/05 - 11/05)	0.00	0.00	0.00001	0.00	0.00	0.00	0.00	0.129	0.00001	0.00001	0.0004	0.009	0.00002	0.000002	0.00001	0.000002	0.00001	0.14
Total PTE as of 11/05 (EU-1, EU-2, EU-3, EU-7, EU-8, EU-14)	0.00	3.92	9.00	9.00	9.00	1.52	0.00	0.324	0.0003	0.0002	0.011	0.274	0.001	0.0001	0.0002	0.0001	0.0003	23.49
EU-5 (const. 11/05 - 1/06)	0.00	7.84	50.8	183	60.9	3.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	246.47
Total PTE as of 12/05 (EU-1, EU-2, EU-3, EU-5, EU-7, EU-8, EU-14)	0.00	11.76	59.83	191.57	69.86	4.56	0.00	0.324	0.0003	0.0002	0.011	0.274	0.001	0.0001	0.0002	0.0001	0.0003	269.97
A major source of HAPs (total HAPs) as of 11/05, when construction of EU-5 commenced. 12/05)	2.88	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.001	0.020	0.000	0.000	0.000	0.000	0.000	2.90
Total PTE as of 12/05 (EU-1, EU-2, EU-3, EU-5, EU-7, EU-8, EU-9, EU-13, EU-14)	2.88	11.76	59.83	191.57	69.86	4.56	0.00	0.324	0.0003	0.0002	0.012	0.294	0.001	0.0001	0.0002	0.0001	0.0003	272.87
A major source of HAPs (total HAPs) as of 12/05 </																		