



Mitchell E. Daniels, Jr.
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Thomas W. Easterly
Commissioner

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TO: Interested Parties / Applicant
DATE: November 16, 2007
RE: Creative Coatings, Inc / 113-20156-00018
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.

enclosures



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PART 70 OPERATING PERMIT RENEWAL OFFICE OF AIR QUALITY

**Creative Coatings, Inc. (Noble Paints)
2620 Marion Drive
Kendallville, Indiana 46755**

(herein known as the Permittee) is hereby authorized to 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 2-7 as 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.

Operation Permit No.: T113-20156-00018	
Issued by: Original signed by Matt Stuckey	
Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: November 16, 2007 Expiration Date: November 16, 2012

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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 plastic and metal parts coating operation.

Source Address:	2620 Marion Drive, Kendallville, IN 46755
Mailing Address:	2620 Marion Drive, Kendallville, IN 46755
General Source Phone Number:	206-349-1862
SIC Code:	3089
County Location:	Noble
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Permit Program Minor Source, under PSD 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) Paint Line 1

- (1) One (1) manual and robotic air atomization spray booth, identified as B01, constructed in December 1988, with maximum capacity of 100 pounds per hour of plastic or metal, using waterwash and baffles as particulate control, exhausting to two (2) stacks (S11 and S12);
- (2) One (1) manual and robotic air atomization spray booth, identified as B02, constructed in December 1988, with maximum capacity of 100 pounds per hour of plastic or metal, using waterwash and baffles as particulate control, exhausting to two (2) stacks (S13 and S14);
- (3) One (1) manual and robotic air atomization spraying and electrostatic disc spraying booth, identified as B03, constructed in December 1988, with maximum capacity of 100 pounds per hour of plastic or metal, using waterwash and baffles as particulate control, exhausting to two (2) stacks (S17 and S18);
- (4) One (1) manual and robotic air atomization spraying and electrostatic disc spraying booth, identified as B04, constructed in December 1988, with maximum capacity of 100 pounds per hour of plastic or metal, using waterwash and baffles as particulate control, exhausting to two (2) stacks (S19 and S20);
- (5) One (1) adhesion promoter air atomization spray booth, constructed in 2006, identified as AD PRO 1, with maximum capacity of 90 racks of plastic parts per hour, using water wash and baffles as particulate control, exhausting to two (2) stacks (AP 1A and AP 1B).

(b) **Paint Line 2**

- (1) One (1) adhesion promoter air atomization spray booth, identified as APB1, constructed in 2005, with maximum capacity of 120 metal or plastic parts per hour.

Water wash and baffles are used to control particulate emissions and the controlled emissions exhaust to a stack, identified as S5.
- (2) One (1) basecoat application air atomization spray booth, identified as BCB2, constructed in 2005, with a maximum capacity of 120 metal or plastic parts per hour.

Water wash and baffles are used to control particulate emissions and the controlled emissions exhaust to two (2) stacks, identified as S6 and S7.
- (3) One (1) clear coat application air atomization spray booth, constructed in 2005, with maximum capacity of 120 metal or plastic parts per hour.

Water wash and baffles are used to control particulate emissions and the controlled emissions exhaust to two (2) stacks, identified as S8 and S9.
- (4) One 6-stage wash line, identified as WL2, constructed in 2005, with maximum capacity of 12,500 gallons and 1.5 million (MM) Btu per hour, exhausting to three (3) stacks, identified as S1, S2 and S3.
- (5) One (1) natural gas fired dry off oven, identified as DOO2, constructed in 2005, with maximum capacity of 1.5 MMBtu per hour, exhausting to a stack, identified as S4.
- (6) One (1) natural gas fired bake oven, identified as BO2, constructed in 2005, with maximum capacity of 8.3 MMBtu per hour, exhausting to two (2) stacks, identified as S10 and S11.
- (7) Two (2) natural gas-fired thermal oxidizers, identified as RTO1 and RTO2, constructed in 2005, with maximum capacity of 120 actual cubic feet per minute each and 105 MMBtu per hour each, exhausting to two (2) stacks identified as S12 and S13. One RTO is sufficient to control the VOC emissions of Paint Line 2. The second RTO will serve as a back up.

Under NESHAP, Subpart Mmmm, Paint Line 1 and Paint Line 2 are considered existing affected sources.

Under NESHAP, Subpart Pppp, Paint Line 1 and Paint Line 2 are considered existing affected sources.

A.3 **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, as defined in 326 IAC 2-7-1(21):

- (a) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring, buffing, polishing, abrasive blasting, pneumatic conveying, and woodworking operations. [326 IAC 6-3-2]
- (b) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour;

- (1) One (1) natural gas or propane fired paint bake oven, identified as BA01, constructed in December 1988, with maximum heat input capacity of 8.8 million British thermal units per hour (MMBtu/hr), exhausting to two (2) stacks (S22 and S23)
 - (2) One (1) natural gas fired paint stripping (burn off) oven/furnace, approved for construction in 2007, with maximum heat input capacity of 0.80 MM Btu per hour, exhausting through an intrinsic afterburner, with maximum heat capacity of 0.80 million British thermal units, to stack SBU 1 [326 IAC 4-2] [326 IAC 9-1-2].
- (c) Propane or liquefied petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) Btu per hour;
 - (d) Combustion source flame safety purging on startup;
 - (e) VOC and HAP storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons;
 - (f) VOC and HAP storage vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids;
 - (g) Application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings;
 - (h) Cleaners and solvents characterized as follows:
 - (1) having a vapor pressure equal to or less than 2 kPa; 15mm Hg; or 0.3 psi measured at 38 degrees C (100 degrees F) or;
 - (2) having a vapor pressure equal to or less than 0.7 kPa; 5 mm Hg; or 0.1 psi measured at 20 degrees C (68 degrees F);the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months;
 - (i) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment;
 - (j) Closed loop heating and cooling systems;
 - (k) Any operation using aqueous solutions containing less than 1% by weight of VOCs excluding HAPs;
 - (l) Forced and induced draft cooling tower system not regulated under a NESHAP;
 - (m) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment;
 - (n) Heat exchanger cleaning and repair;
 - (o) Trimmers that do not produce fugitive emissions and that are equipped with a dust collection or trim material recovery device such as a bag filter or cyclone;
 - (p) Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process;

- (q) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks and fluid handling equipment;
- (r) Blowdown for any of the following: sight glass, boiler, compressors, pumps, and cooling tower;
- (s) On-site fire and emergency response training approved by the department;
- (t) Diesel generators not exceeding 1600 horsepower;
- (u) Mold release agents using low volatile products (vapor pressure less than or equal to 2 kPa measured at 38 degrees C);
- (v) A laboratory as defined in 326 IAC 2-7-1(21)(D);
- (w) Other activities or categories not previously identified:

Insignificant Thresholds:

Lead (Pb)	=	0.6 ton/year or 3.29 lbs/day
Carbon Monoxide (CO)	=	25 lbs/day
Sulfur Dioxides (SO ₂)	=	5 lbs/hour or 25 lbs/day
Particulate Matter (PM)	=	5 lbs/hour or 25 lbs/day
Nitrogen Oxides (NOX)	=	5 lbs/hour or 25 lbs/day
Volatile Organic compounds (VOC)	=	3 lbs/hour or 15 lbs/day

- (1) Touch Up Areas A, B, C, D, E, F, G, H, I, J;
- (2) Bonding Areas A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P; and
- (3) Touch Up Booth A and Touch Up Booth B.

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, T113-20156-00018, 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 a 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) A "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 in letter form no later than July 1 of each year to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
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: 317-233-5674 (ask for Compliance Section)
Facsimile Number: 317-233-5967
 - (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
MC 61-53 IGCN 1003
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 in 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 T113-20156-00018 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
MC 61-53 IGCN 1003
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 permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance 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
MC 61-53 IGCN 1003
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]

- (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
MC 61-53 IGCN 1003
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
MC 61-53 IGCN 1003
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) 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
MC 61-53 IGCN 1003
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. 326 IAC 4-1-3 (a)(2)(A) and (B) are not federally enforceable.

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). 326 IAC 6-4-2(4) is not federally enforceable.

C.6 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
MC 61-52 IGCN 1003
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.7 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
MC 61-53 IGCN 1003
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.8 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.9 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
MC 61-53 IGCN 1003
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.10 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.11 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

Pursuant to 326 IAC 1-5-2 (Emergency Reduction Plans; Submission):

- (a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on January 15, 1999.
- (b) Upon direct notification by IDEM, OAQ, that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level.
[326 IAC 1-5-3]

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 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 2004 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
MC 61-50 IGCN 1003
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] [326 IAC 2-2]
[326 IAC 2-3]

- (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) If there is a "project" (as defined in 326 IAC 2-2-1 (qq)) at an existing emissions unit or an emission unit at a source with Plantwide Applicability Limitation (PAL), which is not part of a "major modification" (as defined in 326 IAC 2-2-1 (ee)) and the Permittee elects to utilize the "projected actual emissions" (as defined in 326 IAC 2-2-1 (rr) and/or IAC 2-3-1 (mm)), the Permittee shall comply with following:
 - (1) Before beginning actual construction of the "project" (as defined in 326 IAC 2-2-1 (qq) and/or 326 IAC 2-3-1 (ll)) at an existing emissions unit, document and maintain the following records:
 - (A) A description of the project.
 - (B) Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.
 - (C) A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:
 - (i) Baseline actual emissions;
 - (ii) Projected actual emissions;
 - (iii) Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1 (mm)(2)(A)(iii); and
 - (iv) An explanation for why the amount was excluded, and any netting calculations, if applicable.
 - (2) Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and
 - (3) Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.

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

- (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
MC 61-53 IGCN 1003
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) If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C- General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (qq)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:
 - (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (xx), for that regulated NSR pollutant, and
 - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(ii).
- (g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:
 - (1) The name, address, and telephone number of the major stationary source.
 - (2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C- General Record Keeping Requirements.
 - (3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3).
 - (4) Any other information that the Permittee deems fit to include in this report,

Reports required in this part shall be submitted to:

Indiana Department of Environmental Management
Air Compliance Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251

- (h) 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 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

(a) Paint Line 1

- (1) One (1) manual and robotic air atomization spray booth, identified as B01, constructed in December 1988, with maximum capacity of 100 pounds per hour, using waterwash and baffles as particulate control, exhausting to two (2) stacks (S11 and S12);
- (2) One (1) manual and robotic air atomization spray booth, identified as B02, constructed in December 1988, with maximum capacity of 100 pounds per hour, using waterwash and baffles as particulate control, exhausting to two (2) stacks (S13 and S14);
- (3) One (1) manual and robotic air atomization spraying and electrostatic disc spraying booth, identified as B03, constructed in December 1988, with maximum capacity of 100 pounds per hour, using waterwash and baffles as particulate control, exhausting to two (2) stacks (S17 and S18);
- (4) One (1) manual and robotic air atomization spraying and electrostatic disc spraying booth, identified as B04, constructed in December 1988, with maximum capacity of 100 pounds per hour, using waterwash and baffles as particulate control, exhausting to two (2) stacks (S19 and S20);
- (5) One (1) adhesion promoter air atomization spray booth, to be constructed in 2006, identified as AD PRO 1, with maximum capacity of 90 racks of plastic parts per hour, using water wash and baffles as particulate control, exhausting to two (2) stacks (AP 1A and AP 1B).

(b) Paint Line 2

- (1) One (1) adhesion promoter air atomization spray booth, identified as APB1, constructed in 2005, with maximum capacity of 120 metal or plastic parts per hour.

Water wash and baffles are used to control particulate emissions and the controlled emissions exhaust to a stack, identified as S5.
- (2) One (1) basecoat application air atomization spray booth, identified as BCB2, constructed in 2005, with a maximum capacity of 120 metal or plastic parts per hour.

Water wash and baffles are used to control particulate emissions and the controlled emissions exhaust to two (2) stacks, identified as S6 and S7.
- (3) One (1) clear coat application air atomization spray booth, constructed in 2005, with maximum capacity of 120 metal or plastic parts per hour.

Water wash and baffles are used to control particulate emissions and the controlled emissions exhaust to two (2) stacks, identified as S8 and S9.
- (4) One 6-stage wash line, identified as WL2, constructed in 2005, with maximum capacity of 12,500 gallons and 1.5 million (MM) Btu per hour, exhausting to three (3) stacks, identified as S1, S2 and S3.
- (5) One (1) natural gas fired dry off oven, identified as DOO2, constructed in 2005, with maximum capacity of 1.5 MMBtu per hour, exhausting to a stack, identified as S4.
- (6) One (1) natural gas fired bake oven, identified as BO2, constructed in 2005, with maximum capacity of 8.3 MMBtu per hour, exhausting to two (2) stacks, identified as S10 and S11.

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

SECTION D.1 Continued FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]

- (7) Two (2) natural gas fired thermal oxidizers, identified as RTO1 and RTO2, constructed in 2005, with maximum capacity of 120 actual cubic feet per minute each and 105 MMBtu per hour each, exhausting to two (2) stacks identified as S12 and S13. One RTO is sufficient to control the VOC emissions of Paint Line 2. The second RTO will serve as a back up.

Under NESHAP, Subpart Mmmm, Paint Line 1 and Paint Line 2 are considered existing affected sources.

Under NESHAP, Subpart Pppp, Paint Line 1 and Paint Line 2 are considered existing affected sources.

(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.1.1 Volatile Organic Compounds (VOC) BACT Requirements [326 IAC 8-1-6]

- (a) Paint Line 1
Pursuant to 326 IAC 8-1-6 (General Reduction Requirements), CP No. 113-3288-00018, issued February 4, 1994 and CP No. 113-4116-00018, issued January 27, 1995, the robotic painting operation of Paint Line 1 shall consist of electrostatic spraying with an organic solvent concentration of 9.0 pounds of VOC per gallon of solids (4.05 pounds of VOC per gallon of coating, excluding water) and the following:
- (1) The organic solvent concentration of the coatings used to coat plastic parts shall be re-evaluated on an annual basis.
 - (2) In order to effect successful application by the electrostatic system it is necessary first to lay down a very thin layer of coating by the conventional air atomized application system.
- (b) Paint Line 2
Pursuant to SSM 113-21612-00018, issued on February 10, 2006 and 326 IAC 8-1-6 (General Reduction Requirements for New Facilities), the Permittee shall comply with the following VOC BACT requirements when coating plastic parts:
- (1) A regenerative thermal oxidizer (RTO) shall be utilized to control the VOC emissions from Paint Line 2, at all times.
 - (2) The overall control efficiency of the RTO shall be 98% when controlling the VOC emissions from Paint Line 2.
 - (3) The VOC content of the coating used in Paint Line 2 shall not exceed 5.12 pounds of VOC per gallon of coating, excluding water, as delivered to the applicator from each of the spray booths of Paint Line 2.
 - (4) Good housekeeping practices will be employed to minimize leaks, spills, and evaporative losses. These include: sealing lids on all containers not in use or in storage, the purging of guns and lines into approved containers, maintaining an organized spill response and clean-up operation, performing routine maintenance on spray equipment and pumps to prevent drips and seal leaks, the use of solvent recovery systems to recover reusable solvents for on-site or off-site recycling, and using aqueous, exempt solvents or citric cleaners where effective and practical.

Compliance with Condition D.1.1(b) also renders the requirements of 326 IAC 2-2 not applicable.

D.1.2 PSD Minor Limit [326 IAC 2-2]

The VOC emissions from Paint Line 1 and Paint Line 2 shall not exceed 230 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. This will limit source-wide VOC emissions to less than 250 tons per twelve (12) consecutive month period. Therefore, the requirements of 326 IAC 2-2 (Prevention of Significant Deterioration) will not apply.

D.1.3 Volatile Organic Compound (VOC) Miscellaneous Metal Coating Limitations [326 IAC 8-2-9]

- (a) Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coatings), when Paint Line 1 and Paint Line 2 are coating metal parts, the owner or operator shall not allow the discharge of VOC into the atmosphere in excess of three and five-tenths (3.5) pounds of VOC per gallon of coating, excluding water, as delivered to the applicator from each of the spray booths Paint Line 1 and Paint Line 2.
- (b) Pursuant to 326 IAC 8-2-9(f), when Paint Line 1 and Paint Line 2 are coating metal parts, all solvents sprayed from the application equipment of Paint Line 1 and Paint Line 2 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.1.4 Volatile Organic Compound (VOC) Limitation [326 IAC 8-1-6]

The input of VOC to spray booth AD PRO 1 shall be limited to less than 25 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

D.1.5 Hazardous Air Pollutant (HAP) Limitation [326 IAC 2-4.1]

- (a) The input of single HAP to spray booth AD PRO 1 shall be limited to less than 10 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Therefore, the requirements of 326 IAC 2-4.1 are not applicable.
- (b) The input of combined HAP to spray booth AD PRO 1 shall be limited to less than 25 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Therefore, the requirements of 326 IAC 2-4.1 are not applicable.

D.1.6 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

- (a) Paint Line 1
A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the four (4) spray booths and the waterwash and baffle control devices.
- (b) Paint Line 2
A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for Paint Line 2 and its control devices.

D.1.7 Particulate Matter (PM) Control [326 IAC 6-3-2(d)]

- (a) Paint Line 1
Pursuant to 326 IAC 6-3-2(d), the waterwash and baffles for PM control shall be in operation at all times when Paint Line 1 is in operation and the Permittee shall operate the control device in accordance with manufacturer's specifications.
- (b) Paint Line 2
Pursuant to 326 IAC 6-3-2(d), particulate from Paint Line 2 shall be controlled by the

waterwash and baffles, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

Compliance Determination Requirements

D.1.8 Regenerative Thermal Oxidizer (RTO) Operation [326 IAC 2-7-6(6)] [326 IAC 8-1-6]

In order to comply with Conditions D.1.1 and D.1.2, the RTO for volatile organic compound (VOC) control shall be in operation and control emissions from the Paint Line 2, at all times when Paint Line 2 is painting plastic parts.

D.1.9 Thermal Oxidizer Operating Temperature [326 IAC 8-1-6] [326 IAC 2-2] [40 CFR 64]

Pursuant to 40 CFR 64 (CAM), the following requirements shall apply:

- (a) A continuous monitoring system shall be calibrated, maintained, and operated on the thermal oxidizer for measuring operating temperature. For the purposes of this condition, continuous shall mean no less than once per minute. The output of this system shall be recorded as a 3-hour average. From the initial operation of the thermal oxidizer until the approved stack test results are available, the Permittee shall operate the thermal oxidizer at or above the 3-hour average temperature of 1,300°F.
- (b) The Permittee shall determine the 3-hour average temperature from the most recent valid stack test that demonstrates compliance with VOC limits in Conditions D.1.1 and D.1.2.
- (c) On and after the date the approved stack test results are available, the Permittee shall operate the thermal oxidizer at or above the 3-hour average temperature as observed during the compliant stack test.

D.1.10 Testing Requirements [326 IAC 2-7-6(1),(6)] [326 IAC 2-1.1-11]

Paint Line 2:

- (a) Within sixty (60) days after achieving maximum capacity of Paint Line 2, but no later than one hundred eighty (180) days after initial startup of Paint line 2, the Permittee shall perform compliance testing for VOC and overall control efficiency of the RTO to determine compliance with Condition D.1.1, utilizing the procedures set forth in 40 CFR 60, Appendix A, or other methods as approved by the Commissioner.
- (b) The VOC tests shall be repeated at least once every five (5) years from the date of the last valid compliance demonstration.
- (c) Testing shall be conducted in accordance with Section C - Performance Testing.

D.1.11 Volatile Organic Compounds (VOC) [326 IAC 8-1-4] [326 IAC 8-1-2(a)]

Compliance with the VOC content and usage limitations contained in Conditions D.1.1, D.1.2 and D.1.3, shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) using formulation data supplied by the coating manufacturer and 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.

D.1.12 VOC Emissions

Compliance with Condition D.1.2 shall be demonstrated within 30 days of the end of each month for the most recent twelve (12) month period, based upon the following criteria:

- (a) The VOC emissions from Paint Line 1 shall be equivalent to the VOC input (including coatings, dilution solvents, and cleaning solvents) to five (5) spray booths (B01, B02, B03, B04 and AD PRO 1).
- (b) The VOC emissions from Paint Line 2 shall be determined by the following equation:

$$\begin{aligned} \text{VOC emissions} = & \text{VOC input of Paint Line 2 when painting metal parts} \\ & \text{(including coatings, dilution solvents, and cleaning solvents)} \\ + & \\ & \text{(VOC input of Paint Line 2 when painting plastic parts} \\ & \text{(including coatings, dilution solvents, and cleaning} \\ & \text{solvents))} * (1 - \text{RTO control efficiency}) \end{aligned}$$

The overall control efficiency of the RTO shall be 98% when controlling the VOC emissions from Paint Line 2.

D.1.13 Volatile Organic Compounds (VOC) [326 IAC 8-1-2]

Compliance with the VOC content limit in Condition D.1.3, shall be determined pursuant to 326 IAC 8-1-2(a)(7), using a volume weighted average of coatings on a daily basis. This volume weighted average shall be determined by the following equation:

$$A = [\sum (C \times U) / \sum U]$$

Where:

- A = volume weighted average in pounds VOC per gallon less water as applied
- C = VOC content of the coating in pounds VOC per gallon less water as applied
- U = usage rate of the coating in gallons per day

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

D.1.14 Thermal Oxidizer Parametric Monitoring [326 IAC 8-1-6] [326 IAC 2-2] [40 CFR 64]

Pursuant to 40 CFR 64 (CAM), the following requirements shall apply:

- (a) The Permittee shall determine the appropriate duct pressure or fan amperage from the most recent valid stack test that demonstrates compliance with VOC limits in D.1.1 and D.1.2, for Paint Line 2, as approved by IDEM.
- (b) The duct pressure or fan amperage shall be observed at least once per day when the thermal oxidizer is in operation. On and after the date the approved stack test results are available, the duct pressure or fan amperage shall be maintained within the normal range as established in most recent compliant stack test.

D.1.15 Monitoring of Particulate Control [40 CFR 64]

Pursuant to 40 CFR 64 (CAM), the following requirements shall apply:

- (a) Daily inspections shall be performed to verify that the water level of the water wash meet the manufacturer's recommended level. To monitor the performance of the water wash, the water level of the pans shall be maintained weekly at a level where surface agitation indicates impact of the air flow. Water shall be kept free of solids and floating material that reduces the capture efficiency of the water wash. To monitor the performance of the baffles, weekly inspections of the baffle panels shall be conducted to verify placement and configuration meet recommendations of the manufacturer. In addition, weekly observations shall be made of the overspray from the surface coating booth stacks of Paint Line 1 and Paint Line 2 while one or more of the booths 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 stacks and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, 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

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

D.1.16 Record Keeping Requirements

- (a) To document compliance with Condition D.1.2, the Permittee shall maintain records in accordance with the items below.
 - (1) Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and/or the VOC emission limits established in Condition D.1.2.
 - (A) The amount and VOC content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;
 - (B) A log of the dates of use;
 - (C) The cleanup solvent usage for each month;
 - (D) The total VOC usage for each month; and
 - (E) The weight of VOCs emitted for each compliance period.
 - (2) A log of the dates when the RTO is in operation, the type of parts painted, and make such records available upon request to IDEM, OAQ, and the U.S. EPA.
- (b) To document compliance with Conditions D.1.4 and D.1.5, the Permittee shall maintain records for AD PRO 1 in accordance with the items below.
 - (1) Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and/or the VOC emission limits established in Condition D.1.4 and HAP limits in D.1.5.
 - (A) The amount and VOC/HAP content of each coating material and solvent used. Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used. Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents;
 - (B) A log of the dates of use;
 - (C) The cleanup solvent usage for each month;
 - (D) The total VOC/HAP usage for each month; and
 - (E) The weight of VOCs/HAP emitted for each compliance period.

- (c) 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 complete and sufficient to establish compliance with the VOC usage limit established in Conditions D.1.1 and D.1.3.
- (1) The VOC content of each coating material and solvent used less water.
 - (2) The amount of coating material and solvent used on daily 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 solvent.
 - (3) The volume weighted average VOC content of the coatings used for each month;
 - (4) The monthly cleanup solvent usage; and
 - (5) The total VOC usage for each month.

These monthly records are only required when coating metal parts.

- (d) To document compliance with Condition D.1.9, the Permittee shall maintain the records of the 3-hour average operating temperature of the thermal oxidizer and make such records available upon request to IDEM, OAQ.
- (e) To document compliance with Condition D.1.14, the Permittee shall maintain the records of the once per day readings of the duct pressure or fan amperage of the thermal oxidizer and make such records available upon request to IDEM, OAQ.
- (f) To document compliance with Condition D.1.15, the Permittee shall maintain a log of weekly overspray observations, weekly observations of the water level in the pans, daily and monthly inspections, and make such records available upon request to IDEM, OAQ.
- (g) Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.
- (h) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.17 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.1.2, D.1.4 and D.1.5, 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 require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

SECTION D.2 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] - Insignificant Activities

- (a) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring, buffing, polishing, abrasive blasting, pneumatic conveying, and woodworking operations; [326 IAC 6-3-2]

(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 Matter (PM) [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the grinding operations shall not exceed pound per hour emission rate established as E in the following formula:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

D.2.2 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 and the associated control devices.

Compliance Determination Requirements

D.2.3 Particulate Control

In order to comply with condition D.2.1, the fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators used for particulate control shall be in operation and control emissions from the grinding operations at all times that the facilities are in operation and exhausting to the atmosphere.

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] - Insignificant Activities

- (b) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour;
 - (2) One (1) natural gas fired paint stripping (burn off) oven/furnace, approved for construction in 2007, with maximum heat input capacity of 0.80 MM Btu per hour, exhausting through an intrinsic afterburner, with maximum heat capacity of 0.80 million British thermal units, exhausting to stack SBU 1 [326 IAC 4-2] [326 IAC 9-1-2].

(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.3.1 Incinerator Requirements [326 IAC 4-2]

Pursuant to 326 IAC 4-2 (Incinerators), this rule establishes standards for the use of incinerators which emit regulated pollutants. All incinerators shall:

- (a) Consist of primary and secondary chambers or the equivalent.
- (b) Be equipped with a primary burner unless burning only wood products.
- (c) Comply with 326 IAC 5-1 and 326 IAC 2.
- (d) Be maintained, operated, and burn waste in accordance with the manufacturer's specifications or an operation and maintenance plan.
- (e) Not emit particulate matter in excess of three-tenths (0.3) pound of particulate matter per one thousand (1,000) pounds of dry exhaust gas under standard conditions corrected to fifty percent (50%) excess air for incinerators with a maximum solid waste capacity of greater than or equal to two hundred (200) pounds per hour.
- (f) If any of the requirements of paragraphs (a) through (e) are not met, then the owner or operator shall stop charging the incinerator until adjustments are made that address the underlying cause of the deviation.

An owner or operator developing an operation and maintenance plan pursuant to paragraph (d) must comply with the following:

- (a) The operation and maintenance plan must be designed to meet the particulate matter emission limitation shall include the following: procedures for receiving, handling, and charging waste, procedures for incinerator startup and shutdown, procedures for responding to a malfunction, procedures for maintaining proper combustion air supply levels, procedures for operating the incinerator and associated air pollution control systems, procedures for handling ash, and a list of wastes that can be burned in the incinerator.
- (b) Each incinerator operator shall review the plan before initial implementation of the operation and maintenance plan and annually thereafter.
- (c) The operation and maintenance plan must be readily accessible to incinerator operators.

- (d) The owner or operator of the incinerator shall notify the department, in writing, thirty (30) days after the operation and maintenance plan is initially developed pursuant to this section.

The owner or operator of the incinerator must make the manufacturer's specifications or the operation and maintenance plan available to the department upon request.

D.3.2 Carbon Monoxide Requirements [326 IAC 9-1-2]

Pursuant to 326 IAC 9-1-2(a)(3), the owner or operator shall not operate a refuse incinerator or refuse burning equipment unless the waste gas stream is burned in one (1) of the following:

- (a) Direct-flame afterburner, or
- (b) Secondary Chamber.

SECTION E.1 NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP) REQUIREMENTS [326 IAC 2-7-5(1)]

Facility Description [326 IAC 2-7-5(15)]

(a) Paint Line 1

- (1) One (1) manual and robotic air atomization spray booth, identified as B01, constructed in December 1988, with maximum capacity of 100 pounds per hour, using waterwash and baffles as particulate control, exhausting to two (2) stacks (S11 and S12);
- (2) One (1) manual and robotic air atomization spray booth, identified as B02, constructed in December 1988, with maximum capacity of 100 pounds per hour, using waterwash and baffles as particulate control, exhausting to two (2) stacks (S13 and S14);
- (3) One (1) manual and robotic air atomization spraying and electrostatic disc spraying booth, identified as B03, constructed in December 1988, with maximum capacity of 100 pounds per hour, using waterwash and baffles as particulate control, exhausting to two (2) stacks (S17 and S18);
- (4) One (1) manual and robotic air atomization spraying and electrostatic disc spraying booth, identified as B04, constructed in December 1988, with maximum capacity of 100 pounds per hour, using waterwash and baffles as particulate control, exhausting to two (2) stacks (S19 and S20);
- (5) One (1) adhesion promoter air atomization spray booth, to be constructed in 2006, identified as AD PRO 1, with maximum capacity of 90 racks of plastic parts per hour, using water wash and baffles as particulate control, exhausting to two (2) stacks (AP 1A and AP 1B)

(b) Paint Line 2

- (1) One (1) adhesion promoter air atomization spray booth, identified as APB1, constructed in 2005, with maximum capacity of 120 metal or plastic parts per hour.

Water wash and baffles are used to control particulate emissions and the controlled emissions exhaust to a stack, identified as S5.

- (2) One (1) basecoat application air atomization spray booth, identified as BCB2, constructed in 2005, with a maximum capacity of 120 metal or plastic parts per hour.

Water wash and baffles are used to control particulate emissions and the controlled emissions exhaust to two (2) stacks, identified as S6 and S7.

- (3) One (1) clear coat application air atomization spray booth, constructed in 2005, with maximum capacity of 120 metal or plastic parts per hour.

Water wash and baffles are used to control particulate emissions and the controlled emissions exhaust to two (2) stacks, identified as S8 and S9.

Under NESHAP, Subpart M, Paint Line 1 and Paint Line 2, are considered existing affected sources.

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

E.1.1 General Provisions Relating to NESHAP for Surface Coating of Miscellaneous Metal Parts and Products [326 IAC 20-1] [40 CFR Part 63, Subpart A]

- (a) Pursuant to 40 CFR 63.3880, 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 for Paint Line 1 and Paint Line 2, as specified in Appendix A of 40 CFR Part 63, Subpart MMMM in accordance with the schedule in 40 CFR 63 Subpart MMMM.
- (b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:
- Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
Indianapolis, Indiana 46204-2251

E.1.2 NESHAP Surface Coating of Miscellaneous Metal Parts and Products 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 63.3880, as specified as follows:

§ 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.
 - (3) The high performance coating subcategory includes surface coating operations that are performed using coatings that meet the definition of high performance architectural coating or high temperature coating in §63.3981.
 - (4) The magnet wire coating subcategory includes surface coating operations that are performed using coatings that meet the definition of magnet wire coatings in §63.3981.
 - (5) The rubber-to-metal coatings subcategory includes surface coating operations that are performed using coatings that meet the definition of rubber-to-metal coatings in §63.3981.
 - (6) The extreme performance fluoropolymer coatings subcategory includes surface coating operations that are performed using coatings that meet the definition of extreme performance fluoropolymer coatings in §63.3981.

- (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.
- (c) This subpart does not apply to surface coating or a coating operation that meets any of the criteria of paragraphs (c)(1) through (17) of this section.
- (1) A coating operation conducted at a facility where the facility uses only coatings, thinners and other additives, and cleaning materials that contain no organic HAP, as determined according to §63.3941(a).
 - (2) Surface coating operations that occur at research or laboratory facilities, or is part of janitorial, building, and facility maintenance operations, or that occur at hobby shops that are operated for noncommercial purposes.
 - (3) Coatings used in volumes of less than 189 liters (50 gal) per year, provided that the total volume of coatings exempt under this paragraph does not exceed 946 liters (250 gal) per year at the facility.
 - (4) The surface coating of metal parts and products performed on-site at installations owned or operated by the Armed Forces of the United States (including the Coast Guard and the National Guard of any such State) or the National Aeronautics and Space Administration, or the surface coating of military munitions manufactured by or for the Armed Forces of the United States (including the Coast Guard and the National Guard of any such State).
 - (5) Surface coating where plastic is extruded onto metal wire or cable or metal parts or products to form a coating.
 - (6) Surface coating of metal components of wood furniture that meet the applicability criteria for wood furniture manufacturing (subpart JJ of this part).
 - (7) Surface coating of metal components of large appliances that meet the applicability criteria for large appliance surface coating (subpart NNNN of this part).
 - (8) Surface coating of metal components of metal furniture that meet the applicability criteria for metal furniture surface coating (subpart RRRR of this part).
 - (9) Surface coating of metal components of wood building products that meet the applicability criteria for wood building products surface coating (subpart QQQQ of this part).
 - (10) Surface coating of metal components of aerospace vehicles that meet the applicability criteria for aerospace manufacturing and rework (40 CFR part 63, subpart GG).
 - (11) Surface coating of metal parts intended for use in an aerospace vehicle or component using specialty coatings as defined in appendix A to subpart GG of this part.
 - (12) Surface coating of metal components of ships that meet the applicability criteria for shipbuilding and ship repair (subpart II of this part).
 - (13) Surface coating of metal using a web coating process that meets the applicability criteria for paper and other web coating (subpart JJJJ of this part).
 - (14) Surface coating of metal using a coil coating process that meets the applicability criteria for metal coil coating (subpart SSSS of this part).
 - (15) Surface coating of boats or metal parts of boats (including, but not limited to, the use of assembly adhesives) where the facility meets the applicability criteria for boat manufacturing facilities (subpart VVVV of this part), except where the surface coating

- of the boat is a metal coating operation performed on personal watercraft or parts of personal watercraft. This subpart does apply to metal coating operations performed on personal watercraft and parts of personal watercraft.
- (16) Surface coating of assembled on-road vehicles that meet the applicability criteria for the assembled on-road vehicle subcategory in plastic parts and products surface coating (40 CFR part 63, subpart PPPP).
 - (17) Surface coating of metal components of automobiles and light-duty trucks that meets the applicability criteria in §63.3082(b) for the Surface Coating of Automobiles and Light-Duty Trucks NESHAP (40 CFR part 63, subpart IIII) at a facility that meets the applicability criteria in §63.3081(b).
- (d) If your facility meets the applicability criteria in §63.3081(b) of the Surface Coating of Automobiles and Light-Duty Trucks NESHAP (40 CFR part 63, subpart IIII), and you perform surface coating of metal parts or products that meets both the applicability criteria in §63.3082(c) and the applicability criteria of the Surface Coating of Miscellaneous Metal Parts and Products (40 CFR part 63, subpart MMMM), then for the surface coating of any or all of your metal parts or products that meets the applicability criteria in §63.3082(c), you may choose to comply with the requirements of subpart IIII of this part in lieu of complying with the Surface Coating of Miscellaneous Metal Parts and Products NESHAP. Surface coating operations on metal parts or products not intended for use in automobiles or light-duty trucks (for example, parts for motorcycles or lawn mowers) cannot be made part of your affected source under subpart IIII of this part.
- (e) If you own or operate an affected source that meets the applicability criteria of this subpart and at the same facility you also perform surface coating that meets the applicability criteria of any other final surface coating NESHAP in this part you may choose to comply as specified in paragraph (e)(1), (2), or (3) of this section.
- (1) You may have each surface coating operation that meets the applicability criteria of a separate NESHAP comply with that NESHAP separately.
 - (2) You may comply with the emission limitation representing the predominant surface coating activity at your facility, as determined according to paragraphs (e)(2)(i) and (ii) of this section. However, you may not establish high performance, rubber-to-metal, or extreme performance fluoropolymer coating operations as the predominant activity. You must not consider any surface coating activity that is subject to the Surface Coating of Automobiles and Light-Duty Trucks NESHAP (40 CFR part 63, subpart IIII) in determining the predominant surface coating activity at your facility.
 - (i) If a surface coating operation accounts for 90 percent or more of the surface coating activity at your facility (that is, the predominant activity), then compliance with the emission limitations of the predominant activity for all surface coating operations constitutes compliance with these and other applicable surface coating NESHAP. In determining predominant activity, you must include coating activities that meet the applicability criteria of other surface coating NESHAP and constitute more than 1 percent of total coating activities at your facility. Coating activities that meet the applicability criteria of other surface coating NESHAP but comprise less than 1 percent of coating activities need not be included in the determination of predominant activity but must be included in the compliance calculation.
 - (ii) You must use liters (gal) of solids used as a measure of relative surface coating activity over a representative period of operation. You may estimate the relative volume of coating solids used from parameters other than coating consumption and volume solids content (e.g., design specifications for the parts or products coated and the number of items produced). The determination of predominant activity must accurately reflect current and projected coating operations and must be verifiable through appropriate documentation. The use of parameters other than coating consumption and volume solids content must be approved by the Administrator. You may use

data for any reasonable time period of at least 1 year in determining the relative amount of coating activity, as long as they represent the way the source will continue to operate in the future and are approved by the Administrator. You must determine the predominant activity at your facility and submit the results of that determination with the initial notification required by §63.3910(b). You must also determine predominant activity annually and include the determination in the next semi-annual compliance report required by §63.3920(a).

- (3) You may comply with a facility-specific emission limit calculated from the relative amount of coating activity that is subject to each emission limit. If you elect to comply using the facility-specific emission limit alternative, then compliance with the facility-specific emission limit and the emission limitations in this subpart for all surface coating operations constitutes compliance with this and other applicable surface coating NESHAP. The procedures for calculating the facility-specific emission limit are specified in §63.3890. In calculating a facility-specific emission limit, you must include coating activities that meet the applicability criteria of other surface coating NESHAP and constitute more than 1 percent of total coating activities at your facility. You must not consider any surface coating activity that is subject to the Surface Coating of Automobiles and Light-Duty Trucks NESHAP (40 CFR part 63, subpart III) in determining a facility-specific emission limit for your facility. Coating activities that meet the applicability criteria of other surface coating NESHAP but comprise less than 1 percent of total coating activities need not be included in the calculation of the facility-specific emission limit but must be included in the compliance calculations.

§ 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.
- (c) An affected source is a new affected source if you commenced its construction after August 13, 2002 and the construction is of a completely new miscellaneous metal parts and products surface coating facility where previously no miscellaneous metal parts and products surface coating facility had existed.
- (d) An affected source is reconstructed if it meets the criteria as defined in §63.2.
- (e) An affected source is existing if it is not new or reconstructed.

What This Subpart Covers

§ 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.

(b) For an existing affected source, the compliance date is the date 3 years after January 2, 2004.

Emission Limitations

§ 63.3890 What emission limits must I meet?

(b) For an existing affected source, you must limit organic HAP emissions to the atmosphere from the affected source to the applicable limit specified in paragraphs (b)(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 existing general use coating affected source, limit organic HAP emissions to no more than 0.31 kg (2.6 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 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.

(a) *Compliant material option.* Demonstrate that the organic HAP content of each coating used in the coating operation(s) is less than or equal to the applicable emission limit in §63.3890, and that each thinner and/or other additive, and cleaning material used contains no organic HAP. You must meet all the requirements of §§63.3940, 63.3941, and 63.3942 to demonstrate compliance with the applicable emission limit using this option.

(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) 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. The Permittee submitted the initial notification to IDEM, OAQ on December 31, 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 leaning 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.
 - (i) For the compliant material option, provide an example calculation of the organic HAP content for one coating, using Equation 2 of §63.3941.
 - (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.

(vi) If you used the predominant activity alternative (§63.3890(c)(1)), include the annual determination of predominant activity if it was not included in the previous semi-annual compliance report.

(vii) If you used the facility-specific emission limit alternative (§63.3890(c)(2)), include the calculation of the facility-specific emission limit for each 12-month compliance period 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.

(5) Deviations: Compliant material option. If you used the compliant material option and there was a deviation from the applicable organic HAP content requirements in §63.3890, the semiannual compliance report must contain the information in paragraphs (a)(5)(i) through (iv) of this section.

(i) Identification of each coating used that deviated from the applicable emission limit, and each thinner and/or other additive, and cleaning material used that contained organic HAP, and the dates and time periods each was used.

- (ii) The calculation of the organic HAP content (using Equation 2 of §63.3941) for each coating identified in paragraph (a)(5)(i) of this section. You do not need to submit background data supporting this calculation (e.g., information provided by coating suppliers or manufacturers, or test reports).
- (iii) The determination of mass fraction of organic HAP for each thinner and/or other additive, and cleaning material identified in paragraph (a)(5)(i) of this section. You do not need to submit background data supporting this calculation (e.g., information provided by material suppliers or manufacturers, or test reports).
- (iv) A statement of the cause of each deviation.

(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.
- (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.
 - (2) For the compliant material option, a record of the calculation of the organic HAP content for each coating, using Equation 2 of §63.3941.
 - (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.

(h) If you use an allowance in Equation 1 of §63.3951 for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to §63.3951(e)(4), you must keep records of the information specified in paragraphs (h)(1) through (3) of this section.

(1) The name and address of each TSDF to which you sent waste materials for which you use an allowance in Equation 1 of §63.3951; a statement of which subparts under 40 CFR parts 262, 264, 265, and 266 apply to the facility; and the date of each shipment.

(2) Identification of the coating operations producing waste materials included in each shipment and the month or months in which you used the allowance for these materials in Equation 1 of §63.3951.

(3) The methodology used in accordance with §63.3951(e)(4) to determine the total amount of waste materials sent to or the amount collected, stored, and designated for transport to a TSDF each month; and the methodology to determine the mass of organic HAP contained in these waste materials. This must include the sources for all data used in the determination, methods used to generate the data, frequency of testing or monitoring, and supporting calculations and documentation, including the waste manifest for each shipment.

(i) [Reserved]

(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 Compliant Material Option

§ 63.3940 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 in §63.3941. 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 that month plus the next 12 months. The initial compliance demonstration includes the calculations according to §63.3941 and supporting documentation showing that during the initial compliance period, you used no coating with an organic HAP content that exceeded the applicable emission limit in §63.3890, and that you used no thinners and/or other additives, or cleaning materials that contained organic HAP as determined according to §63.3941(a).

§ 63.3941 How do I demonstrate initial compliance with the emission limitations?

You may use the compliant material 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 emission rate without add-on controls 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 compliant material option, the coating operation or group of coating operations must use no coating with an organic HAP content that exceeds the applicable emission limits in §63.3890 and must use no thinner and/or other additive, or cleaning material that contains organic HAP as determined according to this section. Any coating operation for which you use the compliant material option is not required to meet the operating limits or work practice standards required in §§63.3892 and 63.3893, respectively. You must meet all the requirements of this section. Use the procedures in this section on each coating, thinner and/or other additive, and cleaning material in the condition it is in when it is received from its manufacturer or supplier and prior to any alteration. You do not need to redetermine the organic HAP content of coatings, thinners and/or other additives, and cleaning materials that are 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 compliant material option, provided these materials in their condition as received were demonstrated to comply with the compliant material option.

(a) Determine the mass fraction of organic HAP for each material used. You must determine the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during the compliance period by using one of the options in paragraphs (a)(1) through (5) of this section.

(1) *Method 311 (appendix A to 40 CFR part 63)*. You may use Method 311 for determining the mass fraction of organic HAP. Use the procedures specified in paragraphs (a)(1)(i) and (ii) of this section when performing a Method 311 test.

(i) Count each organic HAP that is measured to be present at 0.1 percent by mass or more for Occupational Safety and Health Administration (OSHA)-defined carcinogens as specified in 29 CFR 1910.1200(d)(4) and at 1.0 percent by mass or more for other compounds. For example, if toluene (not an OSHA carcinogen) is measured to be 0.5 percent of the material by mass, you do not have to count it. Express the mass fraction of each organic HAP you count as a value truncated to four places after the decimal point (e.g., 0.3791).

(ii) Calculate the total mass fraction of organic HAP in the test material by adding up the individual organic HAP mass fractions and truncating the result to three places after the decimal point (e.g., 0.763).

(2) *Method 24 (appendix A to 40 CFR part 60)*. For coatings, you may use Method 24 to determine the mass fraction of nonaqueous volatile matter and use that value as a substitute for mass fraction of organic HAP. For reactive adhesives in which some of the HAP react to form solids and are not emitted to the atmosphere, you may use the alternative method contained in appendix A to subpart PPPP of this part, rather than Method 24. You may use the volatile fraction that is emitted, as measured by the alternative method in appendix A to subpart PPPP of this part, as a substitute for the mass fraction of organic HAP.

(3) *Alternative method*. You may use an alternative test method for determining the mass fraction of organic HAP once the Administrator has approved it. You must follow the procedure in §63.7(f) to submit an alternative test method for approval.

(4) *Information from the supplier or manufacturer of the material*. You may rely on information other than that generated by the test methods specified in paragraphs (a)(1) through (3) of this section, such as manufacturer's formulation data, if it represents each organic HAP that is present at 0.1 percent by mass or more for OSHA-defined carcinogens as specified in 29 CFR 1910.1200(d)(4) and

at 1.0 percent by mass or more for other compounds. For example, if toluene (not an OSHA carcinogen) is 0.5 percent of the material by mass, you do not have to count it. For reactive adhesives in which some of the HAP react to form solids and are not emitted to the atmosphere, you may rely on manufacturer's data that expressly states the organic HAP or volatile matter mass fraction emitted. If there is a disagreement between such information and results of a test conducted according to paragraphs (a)(1) through (3) of this section, then the test method results will take precedence unless, after consultation, you demonstrate to the satisfaction of the enforcement agency that the formulation data are correct.

(5) *Solvent blends.* Solvent blends may be listed as single components for some materials in data provided by manufacturers or suppliers. Solvent blends may contain organic HAP which must be counted toward the total organic HAP mass fraction of the materials. When test data and manufacturer's data for solvent blends are not available, you may use the default values for the mass fraction of organic HAP in these solvent blends listed in Table 3 or 4 to this subpart. If you use the tables, you must use the values in Table 3 for all solvent blends that match Table 3 entries according to the instructions for Table 3, and you may use Table 4 only if the solvent blends in the materials you use do not match any of the solvent blends in Table 3 and you know only whether the blend is aliphatic or aromatic. However, if the results of a Method 311 (appendix A to 40 CFR part 63) test indicate higher values than those listed on Table 3 or 4 to this subpart, the Method 311 results will take precedence unless, after consultation, you demonstrate to the satisfaction of the enforcement agency that the formulation data are correct.

(b) *Determine the volume fraction of coating solids for each coating.* You must determine the volume fraction of coating solids (liters (gal) of coating solids per liter (gal) of coating) for each coating used during the compliance period by a test, by information provided by the supplier or the manufacturer of the material, or by calculation, as specified in paragraphs (b)(1) through (4) of this section. If test results obtained according to paragraph (b)(1) of this section do not agree with the information obtained under paragraph (b)(3) or (4) of this section, the test results will take precedence unless, after consultation, you demonstrate to the satisfaction of the enforcement agency that the formulation data are correct.

(1) *ASTM Method D2697–86 (Reapproved 1998) or ASTM Method D6093–97 (Reapproved 2003).* You may use ASTM Method D2697–86 (Reapproved 1998), "Standard Test Method for Volume Nonvolatile Matter in Clear or Pigmented Coatings" (incorporated by reference, see §63.14), or ASTM Method D6093–97 (Reapproved 2003), "Standard Test Method for Percent Volume Nonvolatile Matter in Clear or Pigmented Coatings Using a Helium Gas Pycnometer" (incorporated by reference, see §63.14), to determine the volume fraction of coating solids for each coating. Divide the nonvolatile volume percent obtained with the methods by 100 to calculate volume fraction of coating solids.

(2) *Alternative method.* You may use an alternative test method for determining the solids content of each coating once the Administrator has approved it. You must follow the procedure in §63.7(f) to submit an alternative test method for approval.

(3) *Information from the supplier or manufacturer of the material.* You may obtain the volume fraction of coating solids for each coating from the supplier or manufacturer.

(4) *Calculation of volume fraction of coating solids.* You may determine the volume fraction of coating solids using Equation 1 of this section:

$$V_s = 1 - \frac{m_{\text{volatiles}}}{D_{\text{avg}}} \quad (\text{Eq. 1})$$

Where:

V_s = Volume fraction of coating solids, liters (gal) coating solids per liter (gal) coating.

$m_{\text{volatiles}}$ = Total volatile matter content of the coating, including HAP, volatile organic compounds (VOC), water, and exempt compounds, determined according to Method 24 in appendix A of 40 CFR part 60, grams volatile matter per liter coating.

D_{avg} = Average density of volatile matter in the coating, grams volatile matter per liter volatile matter, determined 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 there is disagreement between ASTM Method D1475–98 test results and other 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.

(c) *Determine the density of each coating.* Determine the density of each coating used during the compliance period 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 specific gravity data for pure chemicals. If there is disagreement between ASTM Method D1475–98 test results and the supplier's or manufacturer's information, the test results will take precedence unless, after consultation you demonstrate to the satisfaction of the enforcement agency that the formulation data are correct.

(d) *Determine the organic HAP content of each coating.* Calculate the organic HAP content, kg (lb) of organic HAP emitted per liter (gal) coating solids used, of each coating used during the compliance period using Equation 2 of this section:

$$H_c = \frac{(D_c)(W_c)}{V_s} \quad (Eq. 2)$$

Where:

H_c = Organic HAP content of the coating, kg organic HAP emitted per liter (gal) coating solids used.
 D_c = Density of coating, kg coating per liter (gal) coating, determined according to paragraph (c) of this section.

W_c = Mass fraction of organic HAP in the coating, kg organic HAP per kg coating, determined according to paragraph (a) of this section.

V_s = Volume fraction of coating solids, liter (gal) coating solids per liter (gal) coating, determined according to paragraph (b) of this section.

(e) *Compliance demonstration.* The calculated organic HAP content for each coating used during the initial compliance period must be less than or equal to the applicable emission limit in §63.3890; and each thinner and/or other additive, and cleaning material used during the initial compliance period must contain no organic HAP, determined according to paragraph (a) of this section. You must keep all records required by §§63.3930 and 63.3931. As part of the notification of compliance status required in §63.3910, you must identify the coating operation(s) for which you used the compliant material option and submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the initial compliance period because you used no coatings for which the organic HAP content exceeded the applicable emission limit in §63.3890, and you used no thinners and/or other additives, or cleaning materials that contained organic HAP, determined according to the procedures in paragraph (a) of this section.

§ 63.3942 How do I demonstrate continuous compliance with the emission limitations?

(a) For each compliance period to demonstrate continuous compliance, you must use no coating for which the organic HAP content (determined using Equation 2 of §63.3941) exceeds the applicable emission limit in §63.3890, and use no thinner and/or other additive, or cleaning material that contains organic HAP, determined according to §63.3941(a). A compliance period consists of 12 months. Each month, after the end of the initial compliance period described in §63.3940, is the end of a compliance period consisting of that month and the preceding 11 months.

(b) If you choose to comply with the emission limitations by using the compliant material option, the use of any coating, thinner and/or other additive, or cleaning material that does not meet the criteria specified in paragraph (a) of this section is a deviation from the emission limitations that must be reported as specified in §§63.3910(c)(6) and 63.3920(a)(5).

(c) As part of each semiannual compliance report required by §63.3920, you must identify the coating operation(s) for which you used the compliant material option. If there were no deviations from the applicable emission limit in §63.3890, submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the reporting period because you used no coatings for which the organic HAP content exceeded the applicable emission limit in §63.3890, and you used no thinner and/or other additive, or cleaning material that contained organic HAP, determined according to §63.3941(a).

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

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:

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

Where:

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

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:

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

Where:

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

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:

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

Where:

H_{yr} = 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 MMMM of Part 63—Applicability of General Provisions to Subpart
 MMMM of Part 63**

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

Citation	Subject	Applicable to subpart MMMM	Explanation
§ 63.1(a)(1)-(14)	General Applicability.	Yes.....	
§ 63.1(b)(1)-(3).....	Initial Applicability Determination.	Yes.....	Applicability to subpart MMMM 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 MMMM.
§ 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.....	
§ 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.

Citation	Subject	Applicable to subpart MMMM	Explanation
§ 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 MMMM 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.
§ 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.	Yes.....	Applies to all test methods except those used to determine capture system efficiency.
§ 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.

Citation	Subject	Applicable to subpart M MMM	Explanation
§ 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.....	
§ 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 monitoring 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.

Citation	Subject	Applicable to subpart M MMM	Explanation
§ 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.....	
§ 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.
§ 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.....	

Citation	Subject	Applicable to subpart M MMM	Explanation
§ 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 require the use of 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.
§ 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 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
1. Toluene.....	108-88-3	1.00	Toluene.
2. Xylene(s).....	1330-20-7	1.00	Xylenes, ethylbenzene.
3. Hexane.....	110-54-3	0.50	n-hexane.
4. n-Hexane.....	110-54-3	1.00	n-hexane.
5. Ethylbenzene.....	100-41-4	1.00	Ethylbenzene.
6. Aliphatic 140.....		0.00	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	0.10	Naphthalene.
11. Exempt mineral spirits..	8032-32-4	0.00	None.
12. Ligroines (VM & P).....	8032-32-4	0.00	None.
13. Lactol spirits.....	64742-89-6	0.15	Toluene.
14. Low aromatic white spirit.	64742-82-1	0.00	None.
15. Mineral spirits.....	64742-88-7	0.01	Xylenes.
16. Hydrotreated naphtha....	64742-48-9	0.00	None.
17. Hydrotreated light distillate.....	64742-47-8	0.00	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.

E.1.3 One Time Deadlines Relating to NESHAP for Surface Coating of Miscellaneous Metal Parts and Products [40 CFR 63, Subpart MMMM]

- (a) The Permittee shall submit Initial Notification no later than January 2, 2005 [40 CFR 63.3910(b)].
- (b) The Permittee shall conduct initial compliance demonstrations no later than January 31, 2008 [40 CFR 63.3940, 40 CFR 63.3950].
- (c) The Permittee shall submit notification of compliance status no later than March 1, 2008 [40 CFR 63.3910 (e)].
- (d) The Permittee shall submit first Semi-annual Compliance Report no later than July 31, 2008 [40 CFR 63.3920(a)(1)].

SECTION E.2 NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS (NESHAP) REQUIREMENTS [326 IAC 2-7-5(1)]

Facility Description [326 IAC 2-7-5(15)]

(a) Paint Line 1

- (1) One (1) manual and robotic air atomization spray booth, identified as B01, constructed in December 1988, with maximum capacity of 100 pounds per hour, using waterwash and baffles as particulate control, exhausting to two (2) stacks (S11 and S12);
- (2) One (1) manual and robotic air atomization spray booth, identified as B02, constructed in December 1988, with maximum capacity of 100 pounds per hour, using waterwash and baffles as particulate control, exhausting to two (2) stacks (S13 and S14);
- (3) One (1) manual and robotic air atomization spraying and electrostatic disc spraying booth, identified as B03, constructed in December 1988, with maximum capacity of 100 pounds per hour, using waterwash and baffles as particulate control, exhausting to two (2) stacks (S17 and S18);
- (4) One (1) manual and robotic air atomization spraying and electrostatic disc spraying booth, identified as B04, constructed in December 1988, with maximum capacity of 100 pounds per hour, using waterwash and baffles as particulate control, exhausting to two (2) stacks (S19 and S20);
- (5) One (1) adhesion promoter air atomization spray booth, to be constructed in 2006, identified as AD PRO 1, with maximum capacity of 90 racks of plastic parts per hour, using water wash and baffles as particulate control, exhausting to two (2) stacks (AP 1A and AP 1B).

(b) Paint Line 2

- (1) One (1) adhesion promoter air atomization spray booth, identified as APB1, constructed in 2005, with maximum capacity of 120 metal or plastic parts per hour.

Water wash and baffles are used to control particulate emissions and the controlled emissions exhaust to a stack, identified as S5.

- (2) One (1) basecoat application air atomization spray booth, identified as BCB2, constructed in 2005, with a maximum capacity of 120 metal or plastic parts per hour.

Water wash and baffles are used to control particulate emissions and the controlled emissions exhaust to two (2) stacks, identified as S6 and S7.

- (3) One (1) clear coat application air atomization spray booth, constructed in 2005, with maximum capacity of 120 metal or plastic parts per hour.

Water wash and baffles are used to control particulate emissions and the controlled emissions exhaust to two (2) stacks, identified as S8 and S9.

Under NESHAP, Subpart PPPP, Paint Line 1 and Paint Line 2, are considered existing affected sources.

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

E.2.1 General Provisions Relating to NESHAP for Surface Coating of Plastic Parts and Products [326 IAC 20-1] [40 CFR Part 63, Subpart A]

(a) Pursuant to 40 CFR 63.4480, 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 for Paint Line 1 and Paint Line 2, as specified in Appendix A of 40 CFR Part 63, Subpart PPPP in accordance with the schedule in 40 CFR 63 Subpart PPPP.

(b) Pursuant to 40 CFR 63.10, the Permittee shall submit all required notifications and reports to:

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

E.2.2 NESHAP Surface Coating of Plastic Parts and Products Requirements [40 CFR Part 63, Subpart PPPP]

Pursuant to CFR Part 63, Subpart PPPP the Permittee shall comply with the provisions of 40 CFR Part 63.4480, as specified as follows:

§ 63.4481 Am I subject to this subpart?

(a) Plastic parts and products include, but are not limited to, plastic components of the following types of products as well as the products themselves: Motor vehicle parts and accessories for automobiles, trucks, recreational vehicles; sporting and recreational goods; toys; business machines; laboratory and medical equipment; and household and other 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 plastic parts or products, as described in paragraph (a)(1) of this section, and it includes the subcategories listed in paragraphs (a)(2) through (5) 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 automotive lamp coating operations, thermoplastic olefin (TPO) coating operations, or assembled on-road vehicle coating operations.
- (3) The automotive lamp coating subcategory includes the surface coating of plastic components of the body of an exterior automotive lamp including, but not limited to, headlamps, tail lamps, turn signals, and marker (clearance) lamps; typical coatings used are reflective argent coatings and clear topcoats. This subcategory does not include the coating of interior automotive lamps, such as dome lamps and instrument panel lamps.
- (4) The TPO coating subcategory includes the surface coating of TPO substrates; typical coatings used are adhesion promoters, color coatings, clear coatings, and topcoats. The coating of TPO substrates on fully assembled on-road vehicles is not included in the TPO coating subcategory.
- (5) The assembled on-road vehicle coating subcategory includes surface coating of fully assembled motor vehicles and trailers intended for on-road use, including, but not limited to: automobiles, light-duty trucks, heavy duty trucks, and busses 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).

This subcategory also includes the incidental coating of parts, such as radiator grilles, that are removed from the fully assembled on-road vehicle to facilitate concurrent coating of all parts associated with the vehicle. The assembled on-road vehicle coating subcategory does not include the surface coating of plastic parts prior to their attachment to an on-road vehicle on an original equipment manufacturer's (OEM) assembly line. The assembled on-road vehicle coating subcategory also does not include the use of adhesives, sealants, and caulks used in assembling on-road vehicles. Body fillers used to correct small surface defects and rubbing compounds used to remove surface scratches are not considered coatings subject to this subpart.

- (b) You are subject to this subpart if you own or operate a new, reconstructed, or existing affected source, as defined in §63.4482, that uses 378 liters (100 gallons (gal)) per year, or more, of coatings that contain hazardous air pollutants (HAP) in the surface coating of plastic 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 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 §63.4581 in determining whether you use 378 liters (100 gallons) per year, or more, of coatings in the surface coating of plastic parts and products.
- (d) If your facility meets the applicability criteria in §63.3081(b) of the Surface Coating of Automobiles and Light-Duty Trucks NESHAP (40 CFR part 63, subpart IIII) and you perform surface coating of plastic parts or products that meets both the applicability criteria in §63.3082(c) and the applicability criteria of this subpart, then for the surface coating of any or all of your plastic parts or products that meets the applicability criteria in §63.3082(c), you may choose to comply with the requirements of subpart IIII of this part in lieu of complying with this subpart. Surface coating operations on plastic parts or products not intended for use in automobiles or light-duty trucks (for example, parts for motorcycles or lawn mowers) cannot be made part of your affected source under subpart IIII of this part.
- (e) If you own or operate an affected source that meets the applicability criteria of this subpart and at the same facility you also perform surface coating that meets the applicability criteria of any other final surface coating NESHAP in this part, you may choose to comply as specified in paragraph (e)(1), (2), or (3) of this section.
 - (1) You may have each surface coating operation that meets the applicability criteria of a separate NESHAP comply with that NESHAP separately.
 - (2) You may comply with the emission limitation representing the predominant surface coating activity at your facility, as determined according to paragraphs (e)(2)(i) and (ii) of this section. However, you may not establish assembled on-road vehicle or automotive lamp coating operations as the predominant activity. You must not consider any surface coating activity that is subject to the Surface Coating of Automobiles and Light-Duty Trucks NESHAP (40 CFR part 63, subpart IIII) in determining the predominant surface coating activity at your facility.
 - (i) If a surface coating operation accounts for 90 percent or more of the surface coating activity at your facility (that is, the predominant activity), then compliance with the emission limitations of the predominant activity for all surface coating operations constitutes compliance with these and other applicable surface coating NESHAP. In determining predominant activity, you must include coating activities that meet the applicability criteria of other surface coating NESHAP and constitute more than 1 percent of total coating activities at your facility. Coating activities that meet the applicability criteria of other surface coating NESHAP but comprise less than 1 percent of coating activities need not be included in the determination of predominant

- activity but must be included in the compliance calculation.
- (ii) You must use kilogram (kg) (pound (lb)) of solids used as a measure of relative surface coating activity over a representative period of operation. You may estimate the relative mass of coating solids used from parameters other than coating consumption and mass solids content (e.g., design specifications for the parts or products coated and the number of items produced). The determination of predominant activity must accurately reflect current and projected coating operations and must be verifiable through appropriate documentation. The use of parameters other than coating consumption and mass solids content must be approved by the Administrator. You may use data for any reasonable time period of at least 1 year in determining the relative amount of coating activity, as long as they represent the way the source will continue to operate in the future and are approved by the Administrator. You must determine the predominant activity at your facility and submit the results of that determination with the initial notification required by §63.4510(b). You must also determine predominant activity annually and include the determination in the next semi-annual compliance report required by §63.4520(a).
- (3) You may comply with a facility-specific emission limit calculated from the relative amount of coating activity that is subject to each emission limit. If you elect to comply using the facility-specific emission limit alternative, then compliance with the facility-specific emission limit and the emission limitations in this subpart for all surface coating operations constitutes compliance with this subpart and other applicable surface coating NESHAP. The procedures for calculating the facility-specific emission limit are specified in §63.4490. In calculating a facility-specific emission limit, you must include coating activities that meet the applicability criteria of other surface coating NESHAP and constitute more than 1 percent of total coating activities at your facility. You must not consider any surface coating activity that is subject to the Surface Coating of Automobiles and Light-Duty Trucks NESHAP (40 CFR part 63, subpart IIII) in determining a facility-specific emission limit for your facility. Coating activities that meet the applicability criteria of other surface coating NESHAP but comprise less than 1 percent of total coating activities need not be included in the calculation of the facility-specific emission limit but must be included in the compliance calculations.

§ 63.4482 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 §63.4481(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 plastic parts and products within each subcategory.
- (1) All coating operations as defined in §63.4581;
 - (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.
- (c) An affected source is a new source if it meets the criteria in paragraph (c)(1) of this section and the criteria in either paragraph (c)(2) or (3) of this section.
- (1) You commenced the construction of the source after December 4, 2002 by installing new coating equipment.
 - (2) The new coating equipment is used to coat plastic parts and products at a source where no plastic parts surface coating was previously performed.

- (3) The new coating equipment is used to perform plastic parts and products coating in a subcategory that was not previously performed.
- (d) An affected source is reconstructed if you meet the criteria as defined in §63.2.
- (e) An affected source is existing if it is not new or reconstructed.

§ 63.4483 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 §§63.4540, 63.4550, and 63.4560.

- (b) For an existing affected source, the compliance date is the date 3 years after April 19, 2004.

Emission Limitations

§ 63.4490 What emission limits must I meet?

(b) For an existing affected source, you must limit organic HAP emissions to the atmosphere from the affected source to the applicable limit specified in paragraphs (b)(1) through (4) of this section, except as specified in paragraph (c) of this section, determined according to the requirements in §63.4541, §63.4551, or §63.4561.

- (1) For each existing general use coating affected source, limit organic HAP emissions to no more than 0.16 kg (0.16 lb) organic HAP emitted per kg (lb) coating solids used during each 12-month compliance period.

§ 63.4491 What are my options for meeting the emission limits?

You must include all coatings (as defined in §63.4581), 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 §63.4490. 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 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 §63.4530(c), and you must report it in the next semiannual compliance report required in §63.4520.

(a) *Compliant material option.* Demonstrate that the organic HAP content of each coating used in the coating operation(s) is less than or equal to the applicable emission limit in §63.4490, and that each thinner and/or other additive, and cleaning material used contains no organic HAP. You must meet all the requirements of §§63.4540, 63.4541, and 63.4542 to demonstrate compliance with the applicable emission limit using this option.

(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 §63.4490, calculated as a rolling 12-month emission rate and determined on a monthly basis. You must meet all the requirements of §§63.4550, 63.4551, and 63.4552 to demonstrate compliance with the emission limit using this option.

§ 63.4492 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.

§ 63.4493 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

§ 63.4500 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 §63.4491(a) and (b), must be in compliance with the applicable emission limit in §63.4490 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).

§ 63.4501 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

§ 63.4510 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 April 19, 2004, whichever is later. The Permittee submitted the initial notification to IDEM, OAQ on April 19, 2005. 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 §63.4481(d) to constitute compliance with this subpart for any or all of your plastic 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 plastic parts coating operations. If you are complying with another NESHAP that constitutes the predominant activity at your facility under §63.4481(e)(2) to constitute compliance with this subpart for your plastic 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 plastic 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 §63.4540, §63.4550, or §63.4560 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 §63.4540, §63.4550, or §63.4560 that applies to your affected source.
- (4) Identification of the compliance option or options specified in §63.4491 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 §63.4490, include all the calculations you used to determine the kg (lb) organic HAP emitted per kg (lb) 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 §63.4541(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) Mass 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 §63.4551.
- (8) The calculation of kg (lb) organic HAP emitted per kg (lb) coating solids used for the compliance option(s) you used, as specified in paragraphs (c)(8)(i) through (iii) of this section.
 - (i) For the compliant material option, provide an example calculation of the organic HAP content for one coating, using Equation 1 of §63.4541.
 - (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 mass 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 §63.4551.

§ 63.4520 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 §63.4540, §63.4550, or §63.4560 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 §63.4491 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 (§63.4491(b) or (c)), the calculation results for each rolling 12-month organic HAP emission rate during the 6-month reporting period.

(vi) If you used the predominant activity alternative (§63.4490(c)(1)), include the annual determination of predominant activity if it was not included in the previous semi-annual compliance report.

(vii) If you used the facility-specific emission limit alternative (§63.4490(c)(2)), include the calculation of the facility-specific emission limit for each 12-month compliance period during the 6-month reporting period.

(4) *No deviations.* If there were no deviations from the emission limitations in §§63.4490, 63.4492, and 63.4493 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.

(5) *Deviations: Compliant material option.* If you used the compliant material option and there was a deviation from the applicable organic HAP content requirements in §63.4490, the semiannual compliance report must contain the information in paragraphs (a)(5)(i) through (iv) of this section.

(i) Identification of each coating used that deviated from the applicable emission limit, and each thinner and/or other additive, and cleaning material used that contained organic HAP, and the dates and time periods each was used.

(ii) The calculation of the organic HAP content (using Equation 1 of §63.4541) for each coating identified in paragraph (a)(5)(i) of this section. You do not need to submit background data supporting this calculation (e.g., information provided by coating suppliers or manufacturers, or test reports).

(iii) The determination of mass fraction of organic HAP for each thinner and/or other additive, and cleaning material identified in paragraph (a)(5)(i) of this section. You do not need to submit

background data supporting this calculation (e.g., information provided by material suppliers or manufacturers, or test reports).

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

(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 §63.4490, 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 §63.4490.

(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 §63.4551; and if applicable, the calculation used to determine mass of organic HAP in waste materials according to §63.4551(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.

§ 63.4530 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.

(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 mass fraction of coating solids for each coating. If you conducted testing to determine mass fraction of organic HAP, density, or mass 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.

(2) For the compliant material option, a record of the calculation of the organic HAP content for each coating, using Equation 1 of §63.4541.

(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 §63.4551 and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to §63.4551(e)(4); the calculation of the total mass of coating solids used each month using Equation 2 of §63.4551; and the calculation of each 12-month organic HAP emission rate using Equation 3 of §63.4551.

(d) A record of the name and mass 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 mass 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.

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

(g) If you use an allowance in Equation 1 of §63.4551 for organic HAP contained in waste materials sent to or designated for shipment to a treatment, storage, and disposal facility (TSDF) according to §63.4551(e)(4), you must keep records of the information specified in paragraphs (g)(1) through (3) of this section.

(1) The name and address of each TSDF to which you sent waste materials for which you use an allowance in Equation 1 of §63.4551, a statement of which subparts under 40 CFR parts 262, 264, 265, and 266 apply to the facility; and the date of each shipment.

(2) Identification of the coating operations producing waste materials included in each shipment and the month or months in which you used the allowance for these materials in Equation 1 of §63.4551.

(3) The methodology used in accordance with §63.4551(e)(4) to determine the total amount of waste materials sent to or the amount collected, stored, and designated for transport to a TSDF each month; and the methodology to determine the mass of organic HAP contained in these waste materials. This must include the sources for all data used in the determination, methods used to generate the data, frequency of testing or monitoring, and supporting calculations and documentation, including the waste manifest for each shipment.

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

§ 63.4531 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 Compliant Material Option

§ 63.4540 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 in §63.4541. The initial compliance period begins on the applicable compliance date specified in §63.4483 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 that month plus the next 12 months. The initial compliance demonstration includes the calculations according to §63.4541 and supporting documentation showing that during the initial compliance period, you used no coating with an organic HAP content that exceeded the applicable emission limit in §63.4490, and that you used no thinners and/or other additives, or cleaning materials that contained organic HAP as determined according to §63.4541(a).

§ 63.4541 How do I demonstrate initial compliance with the emission limitations?

You may use the compliant material 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 emission rate without add-on controls 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 compliant material option, the coating operation or group of coating operations must use no coating with an organic HAP content that exceeds the applicable emission limits in §63.4490 and must use no thinner and/or other additive, or cleaning material that contains organic HAP as determined according to this section. Any coating operation for which you use the compliant material option is not required to meet the operating limits or work practice

standards required in §§63.4492 and 63.4493, respectively. You must meet all the requirements of this section. Use the procedures in this section on each coating, thinner and/or other additive, and cleaning material in the condition it is in when it is received from its manufacturer or supplier and prior to any alteration. You do not need to redetermine the organic HAP content of coatings, thinners and/or other additives, and cleaning materials that are 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 compliant material option, provided these materials in their condition as received were demonstrated to comply with the compliant material option.

(a) *Determine the mass fraction of organic HAP for each material used.* You must determine the mass fraction of organic HAP for each coating, thinner and/or other additive, and cleaning material used during the compliance period by using one of the options in paragraphs (a)(1) through (5) of this section.

(1) *Method 311 (appendix A to 40 CFR part 63).* You may use Method 311 for determining the mass fraction of organic HAP. Use the procedures specified in paragraphs (a)(1)(i) and (ii) of this section when performing a Method 311 test.

(i) Count each organic HAP that is measured to be present at 0.1 percent by mass or more for Occupational Safety and Health Administration (OSHA)-defined carcinogens as specified in 29 CFR 1910.1200(d)(4) and at 1.0 percent by mass or more for other compounds. For example, if toluene (not an OSHA carcinogen) is measured to be 0.5 percent of the material by mass, you do not have to count it. Express the mass fraction of each organic HAP you count as a value truncated to four places after the decimal point (e.g., 0.3791).

(ii) Calculate the total mass fraction of organic HAP in the test material by adding up the individual organic HAP mass fractions and truncating the result to three places after the decimal point (e.g., 0.763).

(2) *Method 24 (appendix A to 40 CFR part 60).* For coatings, you may use Method 24 to determine the mass fraction of nonaqueous volatile matter and use that value as a substitute for mass fraction of organic HAP. For reactive adhesives in which some of the HAP react to form solids and are not emitted to the atmosphere, you may use the alternative method contained in appendix A to this subpart, rather than Method 24. You may use the volatile fraction that is emitted, as measured by the alternative method in appendix A to this subpart, as a substitute for the mass fraction of organic HAP.

(3) *Alternative method.* You may use an alternative test method for determining the mass fraction of organic HAP once the Administrator has approved it. You must follow the procedure in §63.7(f) to submit an alternative test method for approval.

(4) *Information from the supplier or manufacturer of the material.* You may rely on information other than that generated by the test methods specified in paragraphs (a)(1) through (3) of this section, such as manufacturer's formulation data, if it represents each organic HAP that is present at 0.1 percent by mass or more for OSHA-defined carcinogens as specified in 29 CFR 1910.1200(d)(4) and at 1.0 percent by mass or more for other compounds. For example, if toluene (not an OSHA carcinogen) is 0.5 percent of the material by mass, you do not have to count it. For reactive adhesives in which some of the HAP react to form solids and are not emitted to the atmosphere, you may rely on manufacturer's data that expressly states the organic HAP or volatile matter mass fraction emitted. If there is a disagreement between such information and results of a test conducted according to paragraphs (a)(1) through (3) of this section, then the test method results will take precedence unless, after consultation you demonstrate to the satisfaction of the enforcement agency that the formulation data are correct.

(5) *Solvent blends.* Solvent blends may be listed as single components for some materials in data provided by manufacturers or suppliers. Solvent blends may contain organic HAP which must be counted toward the total organic HAP mass fraction of the materials. When test data and manufacturer's data for solvent blends are not available, you may use the default values for the mass fraction of organic HAP in these solvent blends listed in Table 3 or 4 to this subpart. If you use the tables, you must use the values in Table 3 for all solvent blends that match Table 3 entries according to the instructions for Table 3, and you may use Table 4 only if the solvent blends in the materials you use do not match any of the solvent blends in Table 3 and you know only whether the blend is aliphatic or aromatic. However, if the results of a Method 311 (appendix A to 40 CFR part 63) test

indicate higher values than those listed on Table 3 or 4 to this subpart, the Method 311 results will take precedence unless, after consultation you demonstrate to the satisfaction of the enforcement agency that the formulation data are correct.

(b) *Determine the mass fraction of coating solids for each coating.* You must determine the mass fraction of coating solids (kg (lb) of coating solids per kg (lb) of coating) for each coating used during the compliance period by a test, by information provided by the supplier or the manufacturer of the material, or by calculation, as specified in paragraphs (b)(1) through (3) of this section.

(1) *Method 24 (appendix A to 40 CFR part 60).* Use Method 24 for determining the mass fraction of coating solids. For reactive adhesives in which some of the liquid fraction reacts to form solids, you may use the alternative method contained in appendix A to this subpart, rather than Method 24, to determine the mass fraction of coating solids.

(2) *Alternative method.* You may use an alternative test method for determining the solids content of each coating once the Administrator has approved it. You must follow the procedure in §63.7(f) to submit an alternative test method for approval.

(3) *Information from the supplier or manufacturer of the material.* You may obtain the mass fraction of coating solids for each coating from the supplier or manufacturer. If there is disagreement between such information and the test method results, then the test method results will take precedence unless, after consultation you demonstrate to the satisfaction of the enforcement agency that the formulation data are correct.

(c) *Calculate the organic HAP content of each coating.* Calculate the organic HAP content, kg (lb) organic HAP emitted per kg (lb) coating solids used, of each coating used during the compliance period using Equation 1 of this section:

$$H_c = \frac{W_c}{S_c} \quad (\text{Eq. 1})$$

Where:

H_c = Organic HAP content of the coating, kg (lb) of organic HAP emitted per kg (lb) coating solids used.

W_c = Mass fraction of organic HAP in the coating, kg organic HAP per kg coating, determined according to paragraph (a) of this section.

S_c = Mass fraction of coating solids, kg coating solids per kg coating, determined according to paragraph (b) of this section.

(d) *Compliance demonstration.* The calculated organic HAP content for each coating used during the initial compliance period must be less than or equal to the applicable emission limit in §63.4490; and each thinner and/or other additive, and cleaning material used during the initial compliance period must contain no organic HAP, determined according to paragraph (a) of this section. You must keep all records required by §§63.4530 and 63.4531. As part of the notification of compliance status required in §63.4510, you must identify the coating operation(s) for which you used the compliant material option and submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the initial compliance period because you used no coatings for which the organic HAP content exceeded the applicable emission limit in §63.4490, and you used no thinners and/or other additives, or cleaning materials that contained organic HAP, determined according to the procedures in paragraph (a) of this section.

§ 63.4542 How do I demonstrate continuous compliance with the emission limitations?

(a) For each compliance period to demonstrate continuous compliance, you must use no coating for which the organic HAP content (determined using Equation 1 of §63.4541) exceeds the applicable emission limit in §63.4490, and use no thinner and/or other additive, or cleaning material that contains organic HAP, determined according to §63.4541(a). A compliance period consists of 12 months. Each month, after the end of the initial compliance period described in §63.4540, is the end of a compliance period consisting of that month and the preceding 11 months.

(b) If you choose to comply with the emission limitations by using the compliant material option, the use of any coating, thinner and/or other additive, or cleaning material that does not meet the criteria specified in paragraph (a) of this section is a deviation from the emission limitations that must be reported as specified in §§63.4510(c)(6) and 63.4520(a)(5).

(c) As part of each semiannual compliance report required by §63.4520, you must identify the coating operation(s) for which you used the compliant material option. If there were no deviations from the applicable emission limit in §63.4490, submit a statement that the coating operation(s) was (were) in compliance with the emission limitations during the reporting period because you used no coatings for which the organic HAP content exceeded the applicable emission limit in §63.4490, and you used no thinner and/or other additive, or cleaning material that contained organic HAP, determined according to §63.4541(a).

(d) You must maintain records as specified in §§63.4530 and 63.4531.

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

§ 63.4550 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 §63.4551. The initial compliance period begins on the applicable compliance date specified in §63.4483 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 mass 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 §63.4551 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 §63.4490.

§ 63.4551 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 §63.4490, but is not required to meet the operating limits or work practice standards in §§63.4492 and 63.4493, respectively. 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 §63.4541(a).

(b) *Determine the mass fraction of coating solids.* Determine the mass fraction of coating solids (kg (lb) of coating solids per kg (lb) of coating) for each coating used during each month according to the requirements in §63.4541(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 there is disagreement between ASTM Method D1475–98 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, 1C, and 2 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 §63.4581, use the mass fraction of organic HAP that is emitted as determined using the method in appendix A to this subpart.

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:

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

Where:

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

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 §63.4581, use the mass fraction of organic HAP that is emitted as determined using the method in appendix A to this subpart.

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:

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

Where:

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

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 §63.4530(g). 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 mass of coating solids used. Determine the total mass of coating solids used, kg, which is the combined mass of coating solids for all the coatings used during each month, using Equation 2 of this section:

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

Where:

M_{st} = Total mass of coating solids used during the month, kg.

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

D_{c,i} = Density of coating, i, kgs per liter coating, determined according to §63.4551(c).

M_{s,i} = Mass fraction of coating solids for coating, i, kgs solids per kg coating, determined according to §63.4541(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 kg (lb) coating solids used, using Equation 3 of this section:

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

Where:

H_{yr} = Average organic HAP emission rate for the compliance period, kg organic HAP emitted per kg 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.

M_{st} = Total mass of coating solids used during month, y , kg, 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 §63.4490. You must keep all records as required by §§63.4530 and 63.4531. As part of the notification of compliance status required by §63.4510, 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 §63.4490, determined according to the procedures in this section.

§ 63.4552 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 §63.4551(a) through (g), must be less than or equal to the applicable emission limit in §63.4490. A compliance period consists of 12 months. Each month after the end of the initial compliance period described in §63.4550 is the end of a compliance period consisting of that month and the preceding 11 months. You must perform the calculations in §63.4551(a) through (g) on a monthly basis using 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 §63.4490, this is a deviation from the emission limitation for that compliance period and must be reported as specified in §§63.4510(c)(6) and 63.4520(a)(6).

(c) As part of each semiannual compliance report required by §63.4520, 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 §63.4490, determined according to §63.4551(a) through (g).

(d) You must maintain records as specified in §§63.4530 and 63.4531.

Other Requirements and Information

§ 63.4580 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 §§63.4481 through 4483 and §§63.4490 through 4493.

(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.

§ 63.4581 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.

Automotive lamp coating means any coating operation in which coating is applied to the surface of some component of the body of an exterior automotive lamp, including the application of reflective argent coatings and clear topcoats. Exterior automotive lamps include head lamps, tail lamps, turn signals, brake lights, and side marker lights. Automotive lamp coating does not include any coating operation performed on an assembled on-road vehicle.

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), 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).

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 coating operation that is not an automotive lamp, TPO, or assembled on-road vehicle coating operation.

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.

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 §63.4541. 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 coating solids means the ratio of the mass of solids (also known as the mass of nonvolatiles) to the mass of a coating in which it is contained; kg of coating solids per kg of coating.

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 mass of coating solids used for a coating calculated using Equation 1 of §63.4541. 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.

Plastic part and product means any piece or combination of pieces of which at least one has been formed from one or more resins. Such pieces may be solid, porous, flexible or rigid.

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.

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.

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.

Thermoplastic olefin (TPO) means polyolefins (blends of polypropylene, polyethylene and its copolymers). This also includes blends of TPO with polypropylene and polypropylene alloys including, but not limited to, thermoplastic elastomer (TPE), TPE polyurethane (TPU), TPE polyester (TPEE), TPE polyamide (TPAE), and thermoplastic elastomer polyvinyl chloride (TPVC).

Thermoplastic olefin (TPO) coating means any coating operation in which the coatings are components of a system of coatings applied to a TPO substrate, including adhesion promoters, primers, color coatings, clear coatings and topcoats. Thermoplastic olefin coating does not include the coating of TPO substrates on assembled on-road vehicles.

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).

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 PPPP of Part 63—Applicability of General Provisions to Subpart PPPP of Part 63

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

Citation	Subject	Applicable to subpart PPPP	Explanation
§ 63.1(a)(1)-(14)	General Applicability.	Yes.....	
§ 63.1(b)(1)-(3).....	Initial Applicability Determination.	Yes.....	Applicability to subpart PPPP is also specified in § 63.4481.
§ 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 PPPP.
§ 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 § 63.4581.
§ 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.....	
§ 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 63.4483 specifies the compliance dates.
§ 63.6(c)(1)-(5).....	Compliance Dates for Existing Sources.	Yes.....	Section 63.4483 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.

Citation	Subject	Applicable to subpart PPPP	Explanation
§ 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 PPPP 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 §63.4564, 63.4565, and 63.4566.
§ 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 63.4560 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.	Yes.....	Applies to all test methods except those used to determine capture system efficiency.
§ 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.

Citation	Subject	Applicable to subpart PPPP	Explanation
§ 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 §63.4568.
§ 63.8(a)(4).....	Additional Monitoring Requirements.	No.....	Subpart PPPP does not have monitoring requirements for flares.
§ 63.8(b).....	Conduct of Monitoring.	Yes.....	
§ 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 monitoring are specified in §63.4568.
§ 63.8(c)(4).....	CMS.....	No.....	§63.4568 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 PPPP does not have opacity or visible emission standards.
§ 63.8(c)(6).....	CMS Requirements.....	No.....	Section 63.4568 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.....	§63.4520 requires reporting of CMS out-of-control periods.
§ 63.8(d)-(e).....	Quality Control Program and CMS Performance Evaluation.	No.....	Subpart PPPP 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 PPPP does not require the use of continuous emissions monitoring systems.
§ 63.8(g)(1)-(5).....	Data Reduction.....	No.....	Sections 63.4567 and 63.4568 specify monitoring data reduction.

Citation	Subject	Applicable to subpart PPPP	Explanation
§ 63.9(a)-(d).....	Notification Requirements.	Yes.....	
§ 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 PPPP does not have opacity or visible emissions standards.
§ 63.9(g)(1)-(3).....	Additional Notifications When Using CMS.	No.....	Subpart PPPP does not require the use of continuous emissions monitoring systems.
§ 63.9(h).....	Notification of Compliance Status	Yes.....	Section 63.4510 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 §63.4530 and 63.4531.
§ 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 PPPP does not require the use of continuous emissions monitoring systems.
§ 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 §63.4520(a)(7).
§ 63.10(c) (9)-(15).....	.....	Yes.....	
§ 63.10(d)(1).....	General Reporting Requirements.	Yes.....	Additional requirements are specified in §63.4520.
§ 63.10(d)(2).....	Report of Performance Test Results.	Yes.....	Additional requirements are specified in §63.4520(b).

Citation	Subject	Applicable to subpart PPPP	Explanation
§ 63.10(d)(3).....	Reporting Opacity or Visible Emissions Observations.	No.....	Subpart PPPP 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 PPPP does not require the use of continuous emissions monitoring systems.
§ 63.10(e) (3).....	Excess Emissions/CMS Performance Reports	No.....	Section 63.4520 (b) specifies the contents of periodic compliance reports.
§ 63.10(e) (4).....	COMS Data Reports.....	No.....	Subpart PPPP does not specify requirements for opacity or COMS.
§ 63.10(f).....	Recordkeeping/Reporting Waiver.	Yes.....	
§ 63.11.....	Control Device Requirements/Flares.	No.....	Subpart PPPP 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 PPPP 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	1.00	Toluene.
2. Xylene(s).....	1330-20-7	1.00	Xylenes, ethylbenzene.
3. Hexane.....	110-54-3	0.50	n-hexane.
4. n-Hexane.....	110-54-3	1.00	n-hexane.
5. Ethylbenzene.....	100-41-4	1.00	Ethylbenzene.
6. Aliphatic 140.....		0.00	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	0.10	Naphthalene.
11. Exempt mineral spirits..	8032-32-4	0.00	None.
12. Ligroines (VM & P).....	8032-32-4	0.00	None.
13. Lactol spirits.....	64742-89-6	0.15	Toluene.
14. Low aromatic white spirit.	64742-82-1	0.00	None.
15. Mineral spirits.....	64742-88-7	0.01	Xylenes.
16. Hydrotreated naphtha....	64742-48-9	0.00	None.
17. Hydrotreated light distillate.....	64742-47-8	0.00	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 PPPP 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.

E.2.3 One Time Deadlines Relating to NESHAP for Surface Coating of Plastic Parts and Products [40 CFR Part 63, Subpart PPPP]

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- (a) The Permittee shall submit Initial Notification no later than April 19, 2005 [40 CFR 63.4510(b)].
 - (b) The Permittee shall conduct initial compliance demonstrations no later than April 30, 2008 [40 CFR 63.4540, 40 CFR 63.4550 and 63.4560(b)(3)].
 - (e) The Permittee shall submit notification of compliance status no later than May 30, 2008 [40 CFR 63.4510 (e)].
 - (f) The Permittee shall submit first Semi-annual Compliance Report no later than July 31, 2008 [40 CFR 63.4520(a)(1)].

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY, COMPLIANCE DATA SECTION
100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251

PART 70 OPERATING PERMIT CERTIFICATION

Source Name: Creative Coatings, Inc. (Noble Paints)
Source Address: 2620 Marion Drive, Kendallville, Indiana 46755
Mailing Address: 2620 Marion Drive, Kendallville, Indiana 46755
Part 70 Permit No.: T113-20156-00018

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)

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:

Date:

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

100 North Senate Avenue, MC 61-53 IGCN 1003 Indianapolis, Indiana 46204-2251

Phone: 317-233-0178 Fax: 317-233-6865

**PART 70 OPERATING PERMIT
EMERGENCY/DEVIATION OCCURRENCE REPORT**

Source Name: Creative Coatings, Inc. (Noble Paints)
Source Address: 2620 Marion Drive, Kendallville, Indiana 46755
Mailing Address: 2620 Marion Drive, Kendallville, Indiana 46755
Part 70 Permit No.: T113-20156-00018

This form consists of 2 pages

Page 1 of 2

Check either No. 1 or No. 2
<input type="checkbox"/> 1. This is an emergency as defined in 326 IAC 2-7-1(12) <ul style="list-style-type: none">• 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• The Permittee must submit notice in writing or by facsimile within two (2) days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16
<input type="checkbox"/> 2. This is a deviation, reportable per 326 IAC 2-7-5(3)(c) <ul style="list-style-type: none">• The Permittee must submit notice in writing within ten (10) calendar days

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/Deviation:
Describe the cause of the Emergency/Deviation:

Page 2 of 2 of Emergency/Deviation Occurrence Report

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

Date/Time Emergency/Deviation started:
Date/Time Emergency/Deviation was corrected:
Was the facility being properly operated at the time of the emergency/deviation? Y N Describe:
Type of Pollutants Emitted: TSP, PM10, SO ₂ , VOC, NO _x , CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency/deviation:
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:
Telephone:

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

100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251

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

Source Name: Creative Coatings, Inc. (Noble Paints)
 Source Address: 2620 Marion Drive, Kendallville, Indiana 46755
 Mailing Address: 2620 Marion Drive, Kendallville, Indiana 46755
 Part 70 Permit No.: T113-20156-00018

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

This report is an affirmation that the source has met all the compliance monitoring requirements stated in this permit. This report shall be submitted quarterly. Any deviation from the compliance monitoring requirements and the date(s) of each deviation must be reported. Additional pages may be attached if necessary. This form can be supplemented by attaching the Emergency/Deviation Occurrence Report. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

NO DEVIATIONS OCCURRED THIS REPORTING PERIOD

THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD.

Compliance Monitoring Requirement (e.g. Permit Condition D.1.3)	Number of Deviations	Date of each Deviation

Form Completed by:

Title/Position:

Date:

Telephone:

Attach a signed certification to complete this report.

**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
 OFFICE OF AIR QUALITY, COMPLIANCE DATA SECTION**
 100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251

Part 70 Operating Permit Quarterly Report

Source Name: Creative Coatings, Inc. (Noble Paints)
 Source Address: 2620 Marion Drive, Kendallville, Indiana 46755
 Mailing Address: 2620 Marion Drive, Kendallville, Indiana 46755
 Part 70 Permit No.: T113-20156-00018
 Facility: Surface coating operations (Paint Line 1 and Paint Line 2)
 Parameter: VOC Emissions
 Limit: less than 230 tons per twelve (12) consecutive month period with compliance determined at the end of each month, by using the following equation:

VOC emissions = VOC input of Paint Line 1
 + VOC input of Paint Line 2 when painting metal parts
 + (VOC input of Paint Line 2 when painting plastic parts)*(1- RTO control efficiency)

Where: VOC input includes coatings, dilution solvents, and cleaning solvents.

The overall control efficiency of the RTO shall be 98% when controlling the VOC emissions from Paint Line 2.

YEAR:

Month	Operation	Column 1 This Month	Column 2 Previous 11 Months	Column 1 + Column 2 12-Month Total
	Paint Line 1 VOC input			
	Paint Line 2 VOC input	Metal Parts		
		Plastic Parts		
	Paint Line 2 VOC Emissions	Plastic Parts		
	Paint Line 1 VOC input			
	Paint Line 2 VOC input	Metal Parts		
		Plastic Parts		
	Paint Line 2 VOC Emissions	Plastic Parts		

Month	Operation		Column 1 This Month	Column 2 Previous 11 Months	Column 1 + Column 2 12-Month Total
	Paint Line 1 VOC input				
	Paint Line 2 VOC input	Metal Parts			
		Plastic Parts			
	Paint Line 2 VOC Emissions	Plastic Parts			

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

Deviation has been reported on:

Submitted by:
Title/Position:
Telephone:
Signature:
Date:

Attach a signed certification to complete this report.

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

100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251

Part 70 Operating Permit Quarterly Report

Source Name: Creative Coatings, Inc. (Noble Paints)
Source Address: 2620 Marion Drive, Kendallville, Indiana 46755
Mailing Address: 2620 Marion Drive, Kendallville, Indiana 46755
Part 70 Permit No.: T113-20156-00018
Facility: Spray Booth AD PRO 1
Parameter: VOC Input
Limit: The input of VOC to spray booth AD PRO 1 shall be limited to less than 25 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

YEAR: _____

Month	Column 1: VOC Input (tons)	Column 2: VOC Input (tons)	Column 1 + Column 2: VOC Input (tons)
	This Month	Previous 11 Months	12 Month Total
Month 1			
Month 2			
Month 3			

No deviation occurred in this quarter.

Deviation/s occurred in this quarter.

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

100 North Senate Avenue, MC 61-53 IGCN 1003, Indianapolis, Indiana 46204-2251

Part 70 Operating Permit Quarterly Report

Source Name: Creative Coatings, Inc. (Noble Paints)
 Source Address: 2620 Marion Drive, Kendallville, Indiana 46755
 Mailing Address: 2620 Marion Drive, Kendallville, Indiana 46755
 Part 70 Permit No.: T113-20156-00018
 Facility: Spray Booth AD PRO 1
 Parameter: Single and combined HAP Input
 Limit: The input of single HAP to spray booth AD PRO 1 shall be limited to less than 10 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. The input of combined HAP to spray booth AD PRO 1 shall be limited to less than 25 tons per twelve (12) consecutive month period, with compliance determined at the end of each month.

YEAR: _____

Month	Column 1: This Month		Column 2: Previous 11 Months		Column 1 + Column 2: 12 Month Total	
	HAP Input (tons)		HAP Input (tons)		HAP Input (tons)	
	Single HAP	Total HAPs	Single HAP	Total HAPs	Single HAP	Total HAPs
Month 1						
Month 2						
Month 3						

- No deviation occurred in this quarter.
- Deviation/s occurred in this quarter.

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**

Addendum to the Technical Support Document (TSD) for a
Title V Renewal Operating Permit

Source Background and Description

Source Name:	Creative Coatings, Inc. (Noble Paints)
Source Location:	2620 Marion Drive, Kendallville, Indiana 46755
County:	Noble
SIC Code:	3089
Operation Permit No.:	T113-6873-00018
Operation Permit Issuance Date:	September 28, 1999
Permit Renewal No.:	T113-20156-00018
Permit Reviewer:	Ganesh Srinivasan/EVP

On April 25, 2007, the Office of Air Quality (OAQ) had a notice published in the News-Sun, Kendallville, Indiana, stating that Creative Coatings, Inc. (Noble Paints) had applied for a Title V Renewal Permit T113-20156-00018. The notice also stated that OAQ proposed to issue a permit for this operation and provided information on how the public could review the proposed permit and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit should be issued as proposed.

On May 1, 2007, OAQ received comments from Creative Coatings, Inc. (Noble Paints). The summary of the comments and corresponding responses are shown below. Changes made to the permit as a result of the comments are shown in **bold** and deleted permit language is shown with a ~~line through it~~. Any permit changes affecting the permit's Table of Contents are also revised without replication herein.

Comment 1:

Please include all the insignificant activities under Condition A.3 as listed in the TSD.

Response 1:

Pursuant to the Permittee's request, Condition A.3 has been modified.

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):

- (a) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring, buffing, polishing, abrasive blasting, pneumatic conveying, and woodworking operations. [326 IAC 6-3-2]

- (b) **Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour;**

One (1) natural gas or propane fired paint bake oven, identified as BA01, constructed in December 1988, with maximum heat input capacity of 8.8 million British thermal units per hour (MMBtu/hr), exhausting to two (2) stacks (S22 and S23)

- (c) **Propane or liquefied petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) Btu per hour;**
- (d) **Combustion source flame safety purging on startup;**
- (e) **VOC and HAP storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons;**
- (f) **VOC and HAP storage vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids;**
- (g) **Application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings;**
- (h) **Cleaners and solvents characterized as follows:**
- (1) **having a vapor pressure equal to or less than 2 kPa; 15mm Hg; or 0.3 psi measured at 38 degrees C (100 degrees F) or;**
 - (2) **having a vapor pressure equal to or less than 0.7 kPa; 5 mm Hg; or 0.1 psi measured at 20 degrees C (68 degrees F);**
- the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months;**
- (i) **The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment;**
- (j) **Closed loop heating and cooling systems;**
- (k) **Any operation using aqueous solutions containing less than 1% by weight of VOCs excluding HAPs;**
- (l) **Forced and induced draft cooling tower system not regulated under a NESHAP;**
- (m) **Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment;**
- (n) **Heat exchanger cleaning and repair;**
- (o) **Trimmers that do not produce fugitive emissions and that are equipped with a dust collection or trim material recovery device such as a bag filter or cyclone;**
- (p) **Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process;**

- (q) **Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks and fluid handling equipment;**
- (r) **Blowdown for any of the following: sight glass, boiler, compressors, pumps, and cooling tower;**
- (s) **On-site fire and emergency response training approved by the department;**
- (t) **Diesel generators not exceeding 1600 horsepower;**
- (u) **Mold release agents using low volatile products (vapor pressure less than or equal to 2 kPa measured at 38 degrees C);**
- (v) **A laboratory as defined in 326 IAC 2-7-1(21)(D);**
- (w) **Other activities or categories not previously identified:**

Insignificant Thresholds:

Lead (Pb)	=	0.6 ton/year or 3.29 lbs/day
Carbon Monoxide (CO)	=	25 lbs/day
Sulfur Dioxides (SO₂)	=	5 lbs/hour or 25 lbs/day
Particulate Matter (PM)	=	5 lbs/hour or 25 lbs/day
Nitrogen Oxides (NO_x)	=	5 lbs/hour or 25 lbs/day
Volatile Organic compounds (VOC)	=	3 lbs/hour or 15 lbs/day

- (1) **Touch Up Areas A, B, C, D, E, F, G, H, I, J;**
- (2) **Bonding Areas A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P; and**
- (3) **Touch Up Booth A and Touch Up Booth B.**

Comment 2:

Please delete BACT Conditions D.1.1(a)(1) and D.1.1(b)(3) since they were written in January 27, 1995 and are now obsolete.

Response 2:

IDEM, OAQ determined that the requested modifications to the BACT condition would require a new BACT analysis and a separate application. Therefore, there are no changes to the draft permit due to this comment.

IDEM, OAQ Changes:

After review, IDEM, OAQ has made the following modifications:

- 1. All occurrences of IDEM's mailing addresses have been revised in the permit to include the mail code (MC) as follows:

Asbestos Section:	MC 61-52 IGCN 1003
Compliance Branch:	MC 61-53 IGCN 1003
Permits Branch:	MC 61-53 IGCN 1003
Technical Support and Modeling Section:	MC 61-50 IGCN 1003

2. Upon review, it was determined that Conditions C.16 (General Record Keeping Requirements) and C.17 (General Reporting Requirements) were inadvertently not included in the permit. These conditions have been added to the permit (additions in bold, deletions in ~~strikeout~~).

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

- (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) **If there is a “project” (as defined in 326 IAC 2-2-1 (qq)) at an existing emissions unit or an emission unit at a source with Plantwide Applicability Limitation (PAL), which is not part of a “major modification” (as defined in 326 IAC 2-2-1 (ee)) and the Permittee elects to utilize the “projected actual emissions” (as defined in 326 IAC 2-2-1 (rr) and/or IAC 2-3-1 (mm)), the Permittee shall comply with following:**
 - (1) **Before beginning actual construction of the “project” (as defined in 326 IAC 2-2-1 (qq) and/or 326 IAC 2-3-1 (ll)) at an existing emissions unit, document and maintain the following records:**
 - (A) **A description of the project.**
 - (B) **Identification of any emissions unit whose emissions of a regulated new source review pollutant could be affected by the project.**
 - (C) **A description of the applicability test used to determine that the project is not a major modification for any regulated NSR pollutant, including:**
 - (i) **Baseline actual emissions;**
 - (ii) **Projected actual emissions;**
 - (iii) **Amount of emissions excluded under section 326 IAC 2-2-1(rr)(2)(A)(iii) and/or 326 IAC 2-3-1 (mm)(2)(A)(iii); and**
 - (iv) **An explanation for why the amount was excluded, and any netting calculations, if applicable.**
 - (2) **Monitor the emissions of any regulated NSR pollutant that could increase as a result of the project and that is emitted by any existing emissions unit identified in (1)(B) above; and**
 - (3) **Calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of five (5) years following resumption of regular operations after the change, or for a period of ten (10) years following resumption of regular operations after the change if the project increases the design capacity of or the potential to emit that regulated NSR pollutant at the emissions unit.**

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

- (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
MC 61-53 IGCN 1003
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) If the Permittee is required to comply with the recordkeeping provisions of (c) in Section C- General Record Keeping Requirements for any "project" (as defined in 326 IAC 2-2-1 (qq)) at an existing emissions unit, and the project meets the following criteria, then the Permittee shall submit a report to IDEM, OAQ:
- (1) The annual emissions, in tons per year, from the project identified in (c)(1) in Section C- General Record Keeping Requirements exceed the baseline actual emissions, as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(i), by a significant amount, as defined in 326 IAC 2-2-1 (xx), for that regulated NSR pollutant, and
 - (2) The emissions differ from the preconstruction projection as documented and maintained under Section C- General Record Keeping Requirements (c)(1)(C)(ii).
- (g) The report for project at an existing emissions unit shall be submitted within sixty (60) days after the end of the year and contain the following:
- (1) The name, address, and telephone number of the major stationary source.
 - (2) The annual emissions calculated in accordance with (c)(2) and (3) in Section C- General Record Keeping Requirements.

(3) The emissions calculated under the actual-to-projected actual test stated in 326 IAC 2-2-2(d)(3).

(4) Any other information that the Permittee deems fit to include in this report,

Reports required in this part shall be submitted to:

**Indiana Department of Environmental Management
Air Compliance Section, Office of Air Quality
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251**

(h) 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.

3. Pursuant to Minor Permit Modification (Permit Number: 113-24582-00018) issued on September 6, 2007, the following conditions have been added to the permit (additions in bold, deletions in ~~strikeout~~).

A.3 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, as defined in 326 IAC 2-7-1(21):

(b) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour;

(1) One (1) natural gas or propane fired paint bake oven, identified as BA01, constructed in December 1988, with maximum heat input capacity of 8.8 million British thermal units per hour (mmBtu/hr), exhausting to two (2) stacks (S22 and S23)

(2) One (1) natural gas fired paint stripping (burn off) oven/furnace, approved for construction in 2007, with maximum heat input capacity of 0.80 MM Btu per hour, exhausting through an intrinsic afterburner, with maximum heat capacity of 0.80 million British thermal units, to stack SBU 1 [326 IAC 4-2] [326 IAC 9-1-2].

SECTION D.3 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)] - Insignificant Activities

- (b) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour;**
 - (2) One (1) natural gas fired paint stripping (burn off) oven/furnace, approved for construction in 2007, with maximum heat input capacity of 0.80 MM Btu per hour, exhausting through an intrinsic afterburner, with maximum heat capacity of 0.80 million British thermal units, exhausting to stack SBU 1 [326 IAC 4-2] [326 IAC 9-1-2].**

(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.3.1 Incinerator Requirements [326 IAC 4-2]

Pursuant to 326 IAC 4-2 (Incinerators), this rule establishes standards for the use of incinerators which emit regulated pollutants. All incinerators shall:

- (a) Consist of primary and secondary chambers or the equivalent.**
- (b) Be equipped with a primary burner unless burning only wood products.**
- (c) Comply with 326 IAC 5-1 and 326 IAC 2.**
- (d) Be maintained, operated, and burn waste in accordance with the manufacturer's specifications or an operation and maintenance plan.**
- (e) Not emit particulate matter in excess of three-tenths (0.3) pound of particulate matter per one thousand (1,000) pounds of dry exhaust gas under standard conditions corrected to fifty percent (50%) excess air for incinerators with a maximum solid waste capacity of greater than or equal to two hundred (200) pounds per hour.**
- (f) If any of the requirements of paragraphs (a) through (e) are not met, then the owner or operator shall stop charging the incinerator until adjustments are made that address the underlying cause of the deviation.**

An owner or operator developing an operation and maintenance plan pursuant to paragraph (d) must comply with the following:

- (a) The operation and maintenance plan must be designed to meet the particulate matter emission limitation shall include the following: procedures for receiving, handling, and charging waste, procedures for incinerator startup and shutdown, procedures for responding to a malfunction, procedures for maintaining proper combustion air supply levels, procedures for operating the incinerator and associated air pollution control systems, procedures for handling ash, and a list of wastes that can be burned in the incinerator.**
- (b) Each incinerator operator shall review the plan before initial implementation of the operation and maintenance plan and annually thereafter.**
- (c) The operation and maintenance plan must be readily accessible to incinerator operators.**

- (d) The owner or operator of the incinerator shall notify the department, in writing, thirty (30) days after the operation and maintenance plan is initially developed pursuant to this section.**

The owner or operator of the incinerator must make the manufacturer's specifications or the operation and maintenance plan available to the department upon request.

D.3.2 Carbon Monoxide Requirements [326 IAC 9-1-2]

Pursuant to 326 IAC 9-1-2(a)(3), the owner or operator shall not operate a refuse incinerator or refuse burning equipment unless the waste gas stream is burned in one (1) of the following:

- (a) Direct-flame afterburner, or**
- (b) Secondary Chamber.**

**Indiana Department of Environmental Management
Office of Air Quality**

Technical Support Document (TSD) for a Part 70 Operating Permit Renewal

Source Background and Description

Source Name:	Creative Coatings, Inc. (Noble Paints)
Source Location:	2620 Marion Drive, Kendallville, Indiana 46755
County:	Noble
SIC Code:	3089
Operation Permit No.:	T113-6873-00018
Operation Permit Issuance Date:	September 28, 1999
Permit Renewal No.:	T113-20156-00018
Permit Reviewer:	Ganesh Srinivasan/EVP

The Office of Air Quality (OAQ) has reviewed a Part 70 Operating Permit Renewal application from Creative Coatings, Inc. (Noble Paints) relating to the operation of a stationary plastic and metal parts coating operation.

Permitted Emission Units and Pollution Control Equipment

The source consists of the following permitted emission units and pollution control devices:

(a) **Paint Line 1**

- (1) One (1) manual and robotic air atomization spray booth, identified as B01, constructed in December 1988, with maximum capacity of 100 pounds per hour of metal or plastic, using waterwash and baffles as particulate control, exhausting to two (2) stacks (S11 and S12);
- (2) One (1) manual and robotic air atomization spray booth, identified as B02, constructed in December 1988, with maximum capacity of 100 pounds per hour of metal or plastic, using waterwash and baffles as particulate control, exhausting to two (2) stacks (S13 and S14);
- (3) One (1) manual and robotic air atomization spraying and electrostatic disc spraying booth, identified as B03, constructed in December 1988, with maximum capacity of 100 pounds per hour of metal or plastic, using waterwash and baffles as particulate control, exhausting to two (2) stacks (S17 and S18);
- (4) One (1) manual and robotic air atomization spraying and electrostatic disc spraying booth, identified as B04, constructed in December 1988, with maximum capacity of 100 pounds per hour of metal or plastic, using waterwash and baffles as particulate control, exhausting to two (2) stacks (S19 and S20);
- (5) One (1) adhesion promoter air atomization spray booth, constructed in 2006, identified as AD PRO 1, with maximum capacity of 90 racks of plastic parts per hour, using water wash and baffles as particulate control, exhausting to two (2) stacks (AP 1A and AP 1B).

(b) **Paint Line 2**

- (1) One (1) adhesion promoter air atomization spray booth, identified as APB1, constructed in 2005, with maximum capacity of 120 metal or plastic parts per hour.

Water wash and baffles are used to control particulate emissions and the controlled emissions exhaust to a stack, identified as S5.

- (2) One (1) basecoat application air atomization spray booth, identified as BCB2, constructed in 2005, with a maximum capacity of 120 metal or plastic parts per hour.

Water wash and baffles are used to control particulate emissions and the controlled emissions exhaust to two (2) stacks, identified as S6 and S7.

- (3) One (1) clear coat application air atomization spray booth, constructed in 2005, with maximum capacity of 120 metal or plastic parts per hour.

Water wash and baffles are used to control particulate emissions and the controlled emissions exhaust to two (2) stacks, identified as S8 and S9.

- (4) One 6-stage wash line, identified as WL2, constructed in 2005, with maximum capacity of 12,500 gallons and 1.5 million (MM) Btu per hour, exhausting to three (3) stacks, identified as S1, S2 and S3.

- (5) One (1) natural gas-fired dry off oven, identified as DOO2, constructed in 2005, with maximum capacity of 1.5 MMBtu per hour, exhausting to a stack, identified as S4.

- (6) One (1) natural gas-fired bake oven, identified as BO2, constructed in 2005, with maximum capacity of 8.3 MMBtu per hour, exhausting to two (2) stacks, identified as S10 and S11.

- (7) Two (2) natural gas-fired thermal oxidizers, identified as RTO1 and RTO2, constructed in 2005, with maximum capacity of 120 actual cubic feet per minute each and 105 MMBtu per hour each, exhausting to two (2) stacks identified as S12 and S13. One RTO is sufficient to control the VOC emissions of Paint Line 2. The second RTO will serve as a back up.

Under NESHAP, Subpart M MMM, Paint Line 1 and Paint Line 2 are considered existing affected sources.

Under NESHAP, Subpart P PPP, Paint Line 1 and Paint Line 2 are considered existing affected sources.

Unpermitted Emission Units and Pollution Control Equipment

There are no unpermitted emission units operating at this source during this review process.

Insignificant Activities

The source also consists of the following insignificant activities, as defined in 326 IAC 2-7-1(21):

- (a) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4000 actual cubic feet per minute, including the following: deburring, buffing, polishing, abrasive blasting, pneumatic conveying, and woodworking operations; [326 IAC 6-3-2]
- (b) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) Btu per hour;
 - One (1) natural gas or propane fired paint bake oven, identified as BA01, constructed in December 1988, with maximum heat input capacity of 8.8 million British thermal units per hour (MMBtu/hr), exhausting to two (2) stacks (S22 and S23)
- (c) Propane or liquefied petroleum gas, or butane-fired combustion sources with heat input equal to or less than six million (6,000,000) Btu per hour;
- (d) Combustion source flame safety purging on startup;
- (e) VOC and HAP storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons;
- (f) VOC and HAP storage vessels storing lubricating oils, hydraulic oils, machining oils, and machining fluids;
- (g) Application of oils, greases, lubricants or other nonvolatile materials applied as temporary protective coatings;
- (h) Cleaners and solvents characterized as follows:
 - (1) having a vapor pressure equal to or less than 2 kPa; 15mm Hg; or 0.3 psi measured at 38 degrees C (100 degrees F) or;
 - (2) having a vapor pressure equal to or less than 0.7 kPa; 5 mm Hg; or 0.1 psi measured at 20 degrees C (68 degrees F);the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months;
- (i) The following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment;
- (j) Closed loop heating and cooling systems;
- (k) Any operation using aqueous solutions containing less than 1% by weight of VOCs excluding HAPs;
- (l) Forced and induced draft cooling tower system not regulated under a NESHAP;
- (m) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment;
- (n) Heat exchanger cleaning and repair;

- (o) Trimmers that do not produce fugitive emissions and that are equipped with a dust collection or trim material recovery device such as a bag filter or cyclone;
- (p) Purging of gas lines and vessels that is related to routine maintenance and repair of buildings, structures, or vehicles at the source where air emissions from those activities would not be associated with any production process;
- (q) Equipment used to collect any material that might be released during a malfunction, process upset, or spill cleanup, including catch tanks, temporary liquid separators, tanks and fluid handling equipment;
- (r) Blowdown for any of the following: sight glass, boiler, compressors, pumps, and cooling tower;
- (s) On-site fire and emergency response training approved by the department;
- (t) Diesel generators not exceeding 1600 horsepower;
- (u) Mold release agents using low volatile products (vapor pressure less than or equal to 2 kPa measured at 38 degrees C);
- (v) A laboratory as defined in 326 IAC 2-7-1(21)(D);
- (w) Other activities or categories not previously identified:

Insignificant Thresholds:

Lead (Pb)	=	0.6 ton/year or 3.29 lbs/day
Carbon Monoxide (CO)	=	25 lbs/day
Sulfur Dioxides (SO ₂)	=	5 lbs/hour or 25 lbs/day
Particulate Matter (PM)	=	5 lbs/hour or 25 lbs/day
Nitrogen Oxides (NOX)	=	5 lbs/hour or 25 lbs/day
Volatile Organic compounds (VOC)	=	3 lbs/hour or 15 lbs/day

- (1) Touch Up Areas A, B, C, D, E, F, G, H, I, J;
- (2) Bonding Areas A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, P; and
- (3) Touch Up Booth A and Touch Up Booth B.

Existing Approvals

The source has been operating under the following previous approvals:

- (a) Part 70 Operating Permit T113-6873-00018, issued on September 28, 1999;
- (b) First Reopening R113-13436-00018, issued on November 29, 2001;
- (c) First Administrative Amendment 113-12921-00018, issued on January 29, 2001; and
- (d) Second Administrative Amendment 113-16698-00018, issued on February 12, 2003.
- (e) First Significant Source Modification 113-21612-00018, issued on February 10, 2006;
- (f) First Significant Permit Modification 113-21668-00018, issued on February 22, 2006;
- (g) Second Significant Source Modification 113-23443-00018, issued on November 16, 2006; and

- (h) Second Significant Permit Modification 113-23479-00018, issued on December 6, 2006.

Some of the above air approvals were originally issued to ThyssenKrupp Budd Company. However, Creative Coating, Inc. acquired this plant and notified OAQ on June 10, 2005.

Enforcement Issue

IDEM is aware that the source did not apply for a Part 70 permit renewal in a timely manner. IDEM is reviewing this matter and will take appropriate action.

Emission Calculations

See Appendix A of this document for detailed emission calculations (pages 1 through 6 of Appendix A).

County Attainment Status

The source is located in Noble County.

Pollutant	Status
PM-10	Attainment
PM 2.5	Attainment
SO ₂	Attainment
NO ₂	Attainment
8-hour Ozone	Attainment
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 ozone. Noble County has been designated as attainment or unclassifiable for ozone. Therefore, VOC and NO_x emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.
- (b) Noble 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) Noble County has been classified as attainment or unclassifiable in Indiana for the remaining criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability for the source section.
- (d) On October 25, 2006, the Indiana Air Pollution Control Board finalized a rule revision to 326 IAC 1-4-1 redesignating Delaware, Greene, Jackson, Vanderburgh, Vigo and Warrick Counties to attainment for the eight-hour ozone standard, redesignating Lake County to attainment for the sulfur dioxide standard, and revoking the one-hour ozone standard in Indiana.

Unrestricted Potential Emissions

This table reflects the unrestricted potential emissions of the source.

Pollutant	tons/year
PM	1,786.44
PM-10	1,789.56
SO ₂	0.33
VOC	5,508.98
CO	46.57
NO _x	58.81

HAPs	tons/year
Toulene	> 10
Xylene	> 10
Ethyl Benzene	> 10
Glycol Ether	> 10
Total	> 25

- (a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of PM-10 and VOC is equal to or greater than 100 tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (b) The potential to emit (as defined in 326 IAC 2-7-1(29)) of all other criteria pollutants are less than 100 tons per year.
- (c) The potential to emit (as defined in 326 IAC 2-7-1(29)) of any single HAP is equal to or greater than ten (10) tons per year and/or the potential to emit (as defined in 326 IAC 2-7-1(29)) of a combination of HAPs is equal to or greater than twenty-five (25) tons per year. Therefore, the source is subject to the provisions of 326 IAC 2-7.
- (d) Fugitive Emissions:
 Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-7, fugitive emissions are not counted toward the determination of Part 70 applicability.

Actual Emissions

The following table shows the actual emissions from the source. This information reflects the 2003 OAQ emission data.

Pollutant	Actual Emissions (tons/year)
PM	0.0
PM-10	0.0
SO ₂	Not Reported
VOC	18.0
CO	Not Reported
NO _x	Not Reported
HAP	Not Reported

Part 70 Permit Conditions

This source is subject to the requirements of 326 IAC 2-7, pursuant to which the source has to meet the following:

- (a) Emission limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of issuance of Part 70 permits.
- (b) Monitoring and related record keeping requirements which assure that all reasonable information is provided to evaluate continuous compliance with the applicable requirements.

Potential to Emit After Issuance

Pursuant to 326 IAC 2-1.1-1(16), Potential to Emit is defined as “the maximum capacity of a stationary source 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.”

The source was issued a Part 70 Operating Permit on June 25, 1999. The table below summarizes the potential to emit, reflecting all limits, of the emission units. Any control equipment is considered enforceable only after issuance of the original Part 70 operating Permit and only to the extent that the effect of the control equipment is made practically enforceable in the permit.

Process/emission unit	Potential to Emit (tons/year)							
	PM	PM-10	SO ₂	VOC	CO	NO _x	HAPs	
							Single	Total
Combustion Sources	1.16	4.28	0.33	3.16	46.57	58.81	0.97	1.02
Surface Coating	76.92	76.92	0.00	>100 <246	0.00	0.00	> 10	> 25
Total PTE	78.08	81.20	0.33	>100 <250	46.57	58.81	> 10	> 25

- (a) This existing stationary source is not major for PSD because the emissions of each criteria pollutant are less than two hundred fifty (<250) tons per year, and it is not one of the twenty-eight (28) listed source categories.
- (b) 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 applicability.

Federal Rule Applicability

- (a) There are no New Source Performance Standards (NSPS) (326 IAC 12 and 40 CFR Part 60) included in this permit.

- (b) This source is subject to the National Emission Standards for Hazardous Air Pollutants, 40 CFR 63.3880, Subpart M MMM because the source is a major source of HAPs and the painting operation applies surface coating to miscellaneous metal parts and products, as defined in 40 CFR 63.3881(a). Pursuant to 40 CFR 63.3881(a)(1), the surface coating operation also includes storage containers and mixing vessels that are used to store and mix thinners, additives and/or cleaning materials. Therefore, the requirements of National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products, (40 CFR 63.3880, Subpart M MMM) are included in the permit.

Under NESHAP, Subpart M MMM, Paint Line 1 and Paint Line 2 are considered an existing affected source because the construction of the source commenced prior to August 13, 2002.

Non applicable portions of the NESHAP will not be included in the permit. This source is subject to the following portions of Subpart M MMM.

- (1) 40 CFR 63.3881;
- (2) 40 CFR 63.3882;
- (3) 40 CFR 63.3883 (b);
- (4) 40 CFR 63.3890 (b)(1);
- (5) 40 CFR 63.3891 (a) and (b);
- (6) 40 CFR 63.3892 (a);
- (7) 40 CFR 63.3893 (a);
- (8) 40 CFR 63.3900 (a)(1) and (b);
- (9) 40 CFR 63.3901;
- (10) 40 CFR 63.3910, except 40 CFR 63.3910 (c)(8)(iii), (9), (10) and (11);
- (11) 40 CFR 63.3920, except 40 CFR 63.3920 (a)(7), (b) and (c);
- (12) 40 CFR 63.3930, except 40 CFR 63.3930 (c)(4) and (k);
- (13) 40 CFR 63.3931;
- (14) 40 CFR 63.3940;
- (15) 40 CFR 63.3941;
- (16) 40 CFR 63.3942;
- (17) 40 CFR 63.3950;
- (18) 40 CFR 63.3951;
- (19) 40 CFR 63.3952;
- (20) 40 CFR 63.3980; and

(21) 40 CFR 63.3981.

The provisions of 40 CFR 63, Subpart A – General Provisions apply to the facility described in this section except when otherwise specified in 40 CFR 63, Subpart MMMM.

- (c) This source is subject to the National Emission Standards for Hazardous Air Pollutants, 40 CFR 63.4480, Subpart PPPP because the source is a major source of HAPs and the painting operation applies surface coating to plastic parts and products, as defined in 40 CFR 63.4481(a). Pursuant to 40 CFR 63.4481(a)(1), the surface coating operation includes storage containers and mixing vessels that are used to store and mix thinners, additives and/or cleaning materials. Therefore, the requirements of National Emission Standards for Hazardous Air Pollutants for Plastic Parts and Products, (40 CFR 63.4480, Subpart PPPP) are included in the permit.

Under NESHAP, Subpart PPPP, Paint Line 1 and Paint Line 2 are considered an existing affected source because the construction of the source commenced prior to December 4, 2002.

Non applicable portions of the NESHAP will not be included in the permit. This source is subject to the following portions of Subpart PPPP.

- (1) 40 CFR 63.4481
- (2) 40 CFR 63.4482
- (3) 40 CFR 63.4483 (b);
- (4) 40 CFR 63.4490 (b)(1);
- (5) 40 CFR 63.4491 (a) and (b);
- (6) 40 CFR 63.4492 (a);
- (7) 40 CFR 63.4493 (a);
- (8) 40 CFR 63.4500 (a)(1) and (b);
- (9) 40 CFR 63.4501;
- (10) 40 CFR 63.4510, except 40 CFR 63.4510 (c)(8)(iii), (9), (10) and (11);
- (11) 40 CFR 63.4520, except 40 CFR 63.4520 (a)(7), (b) and (c);
- (12) 40 CFR 63.4530, except 40 CFR 63.4530 (c)(4) and (i);
- (13) 40 CFR 63.4531;
- (14) 40 CFR 63.4540;
- (15) 40 CFR 63.4541;
- (16) 40 CFR 63.4542;
- (17) 40 CFR 63.4550;

- (18) 40 CFR 63.4551;
- (19) 40 CFR 63.4552;
- (20) 40 CFR 63.4580; and
- (21) 40 CFR 63.4581.

The provisions of 40 CFR 63, Subpart A – General Provisions apply to the facility described in this section except when otherwise specified in 40 CFR 63, Subpart PPPP.

- (d) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to existing emission units that involve a pollutant-specific emission unit and meet the following criteria:
- (1) has a potential to emit before 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 criteria, under 40 CFR 64.1, to each existing emission unit and specified pollutant subject to CAM:

Emission Unit / Pollutant	Control Device Used	Emission Limitation (Y/N)	Uncontrolled PTE (tons/year)	Controlled PTE (tons/year)	Major Source Threshold (tons/year)	CAM Applicable (Y/N)	Large Unit (Y/N)
Paint Line 1 - PM10	Water Wash	Y	1234.10	61.70	100	Y	N
Paint Line 1 - VOC	None	Y	4888.80	> 100 and <250	100	N	N
Paint Line 2 - PM10	Water Wash	Y	551.18	27.56	100	Y	N
Paint Line 2 - VOC	RTO	Y	617.02	> 100 and <250	100	Y	Y

The potential to emit HAP is greater than 10 tons each and 25 tons combined per year for Paint Line 1 and Paint Line 2 but they are not subject to the requirements of 40 CFR 64, because they are subject to the NESHAP standards of 40 CFR 63 (Subpart M and Subpart P). Pursuant to 40 CFR 64.2(b)(1)(i), emission limitations or standards proposed by U.S. EPA after November 15, 1990 pursuant to Section 111 or 112 of the Clean Air Act are exempt from the requirements of 40 CFR 64.

Paint Line 2 is subject to the requirements of 40 CFR 64 because its potential to emit VOC is greater than 100 tons per year before control (RTO). The VOC emissions after control are greater than 100 tons per year, therefore, Paint Line 2 is classified as a large unit, and CAM applies to Paint Line 2. The RTO has to be monitored consistent with requirements under 40 CFR 64. The applicable requirements for the RTO specified in NESHAP 40 CFR Part 63, Subpart P satisfy the CAM requirements.

Paint Line 1 and Paint Line 2 are subject to the requirements of 40 CFR 64 because the potential to emit of PM₁₀ for each is greater than 100 tons per year before control (water wash). The PM₁₀ emissions after control are less than 100 tons per year. The following CAM plan shall satisfy the 40 CFR 64 Compliance Assurance Monitoring requirements:

Paint Line 1 and Paint Line 2:

- (a) Daily inspections shall be performed to verify that the water level of the water wash meet the manufacturer's recommended level. To monitor the performance of the water wash, the water level of the pans shall be maintained weekly at a level where surface agitation indicates impact of the air flow. Water shall be kept free of solids and floating material that reduces the capture efficiency of the water wash. To monitor the performance of the baffles, weekly inspections of the baffle panels shall be conducted to verify placement and configuration meet recommendations of the manufacturer. In addition, weekly observations shall be made of the overspray from the surface coating booth stacks of Paint Line 1 and Paint Line 2 while one or more of the booths 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 stacks and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, 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.

State Rule Applicability – Entire Source

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

- (a) The source which was constructed after the PSD applicability date of August 7, 1977, has a limited potential to emit of VOC less than 250 tons per year. Hence, the source is not subject to 326 IAC 2-2. The source has agreed to limit potential VOC emissions from Paint Line 1 (including AD PRO 1) and Paint Line 2 to less than 230 tons per year. This will limit source-wide VOC emissions to less than 250 tons per year. The source is considered a minor source since its actual emissions have never exceeded 250 tons per year. The source has agreed to maintain these VOC emission limitations with the incorporation of the adhesion promoter spray booth, AD PRO1, constructed in 2006, into Paint Line 1, such that the source wide overall VOC limit is maintained at less than 250 tons per year.
- (b) Compliance with the source-wide VOC limit shall be determined based upon the following criteria:
 - (1) The VOC emissions from Paint Line 1 shall be equivalent to the VOC input (including coatings, dilution solvents, and cleaning solvents) to the five (5) spray booths of Paint Line 1.
 - (2) The VOC emissions from Paint Line 2 shall be determined by the following equation:

$$\begin{aligned} \text{VOC emissions} &= \text{VOC input of Paint Line 2 when painting metal parts} \\ &\quad \text{(including coatings, dilution solvents, and cleaning} \\ &\quad \text{solvents)} \\ &+ \\ &\quad \text{(VOC input of Paint Line 2 when painting plastic parts} \\ &\quad \text{(including coatings, dilution solvents, and cleaning} \\ &\quad \text{solvents))} * (1 - \text{RTO control efficiency}) \end{aligned}$$

The overall control efficiency of the RTO shall be 98% when controlling the VOC emissions from Paint Line 2.

326 IAC 1-6-3 (Preventive Maintenance Plan)

The source has submitted a Preventive Maintenance Plan (PMP) on November 16, 2001. This PMP has been verified to fulfill the requirements of 326 IAC 1-6-3 (Preventive Maintenance Plan).

326 IAC 1-5-2 (Emergency Reduction Plans)

The source has submitted an Emergency Reduction Plan (ERP) on January 15, 1999. The ERP has been verified to fulfill the requirements of 326 IAC 1-5-2 (Emergency Reduction Plans).

326 IAC 2-4.1-1 (New Source Toxics Control)

Pursuant to 326 IAC 2-4.1-1 (New Source Toxics Control), any new process or production unit, which has the potential to emit (PTE) 10 tons per year of any single HAP or 25 tons per year of any combination of HAPs, must be controlled using technologies consistent with the Maximum Achievable Control Technology (MACT). This rule does not apply to facilities that have been constructed prior to the rule applicability date of July 27, 1997. Therefore, this rule does not apply to Paint Line 1, constructed in 1988.

The operation of adhesion promoter spray booth, AD PRO 1, is limited to less than ten (10) tons per year for a single HAP and less than twenty-five (25) tons per year for a combination of HAPs. Therefore, 326 IAC 2-4.1 does not apply to the adhesion promoter spray booth, AD PRO 1.

Pursuant to 326 IAC 2-4.1-1(b)(2), due to compliance with 40 CFR 63, MMMM (Miscellaneous Metal Parts and Products) and 40 CFR 63, Subpart PPPP (Surface Coating of Plastic Parts and Products), the requirements of 326 IAC 2-4.1-1 do not apply to Paint Line 2.

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 annually if the potential to emit of VOC or PM10 is greater than 250 tons per year, otherwise the emission statement shall be submitted triennially. For this source, the source wide emissions of VOC and PM10 are each less than 250 tons per year after control. Therefore, in accordance with the compliance schedule in 326 IAC 2-6-3, an emission statement shall be submitted triennially by July 1 beginning in 2004 and every 3 years thereafter. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4.

326 IAC 5-1 (Opacity Limitations)

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 the 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.

326 IAC 8-6 (Organic Solvent Emission Limitations)

This rule applies to sources commencing operation after October 7, 1974 and prior to January 1, 1980, located anywhere in the state, with potential solvent VOC emissions of 100 tons per year or more, and not regulated by any other provision of Article 8. This source was constructed after January 1, 1980. Therefore, this rule does not apply to this source.

State Rule Applicability – Individual Facilities

326 IAC 4-2 (Incinerators)

Rule 326 IAC 4-2 does not apply to the bake ovens BO2 and BA01 because they are used to cure the paint coating and they do not burn off any paint.

326 IAC 6-3-2(d) (Particulate Emissions Limitations for Manufacturing Processes)

- (a) Paint Line 1
Pursuant to 326 IAC 6-3-2(d), the waterwash and baffles for PM control shall be in operation at all times when Paint Line 1 is in operation and the Permittee shall operate the control device in accordance with manufacturer's specifications.
- (b) Paint Line 2
Pursuant to 326 IAC 6-3-2(d), particulate from Paint Line 2 shall be controlled by the waterwash and baffles, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

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

- (a) Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from the grinding operations shall not exceed the pound per hour emission rate established as E in the following formula:

Interpolation of the data for the process weight rate up to 60,000 pounds per hour shall be accomplished by use of the equation:

$$E = 4.10 P^{0.67} \quad \text{where } E = \text{rate of emission in pounds per hour; and} \\ P = \text{process weight rate in tons per hour}$$

- (b) Pursuant to 326 IAC 6-3-1(b)(9), the welding operations listed under insignificant activities as "the following equipment related to manufacturing activities not resulting in the emission of HAPs: brazing equipment, cutting torches, soldering equipment, welding equipment" are exempt from the requirements of 326 IAC 6-3-2, because each welding operation consumes less than 625 pounds of rod or wire per day.

326 IAC 8-2-2 (Automobile and Light Duty Truck Coating Operations)

This source is not subject to 326 IAC 8-2-2 because the paint booths do not surface coat automobile and light duty truck bodies. The booths are used to surface coat metal and plastic automotive parts.

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

Paint Line 1:

Pursuant to 326 IAC 8-2-1 (Applicability) and 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), facilities constructed after January 1, 1980, located in any county, and with potential VOC emissions of greater than twenty-five (25) tons per year when coating miscellaneous metal parts are subject to this rule.

Paint Line 1, when coating metal parts is subject to this rule because it has potential VOC emissions greater than twenty-five (25) tons per year when coating metal. The Permittee shall not allow the discharge into the atmosphere of VOC in excess of three and five-tenths (3.5) pounds of VOCs per gallon of coating less water for extreme performance coatings when coating metal parts.

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.

Compliance with the VOC content limits shall be determined pursuant to 326 IAC 8-1-2(a)(7), using a volume weighted average of coatings on a daily basis. This volume weighted average shall be determined by the following equation:

$$A = [3 (C \times U) / 3 U]$$

Where: A is the volume weighted average in pounds VOC per gallon less water as applied;
C is the VOC content of the coating in pounds VOC per gallon less water as applied; and
U is the usage rate of the coating in gallons per day.

Paint Line 2:

Pursuant to 326 IAC 8-2-1 (Applicability) and 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), facilities constructed after July 1, 1990, located in any county, and with actual VOC emissions of greater than fifteen (15) pounds per day when coating miscellaneous metal parts are subject to this rule.

Paint Line 2, when coating metal parts is subject to this rule because it has actual VOC emissions greater than fifteen (15) pounds per day when coating metal. The Permittee shall not allow the discharge into the atmosphere of VOC in excess of three and five-tenths (3.5) pounds of VOCs per gallon of coating less water for extreme performance coatings when coating metal parts.

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.

Compliance with the VOC content limits shall be determined pursuant to 326 IAC 8-1-2(a)(7), using a volume weighted average of coatings on a daily basis. This volume weighted average shall be determined by the following equation:

$$A = [3 (C \times U) / 3 U]$$

Where: A is the volume weighted average in pounds VOC per gallon less water as applied;
C is the VOC content of the coating in pounds VOC per gallon less water as applied; and
U is the usage rate of the coating in gallons per day.

326 IAC 8-1-6 (New Facilities; General Reduction Requirements)

This rule requires that new facilities (as of January 1, 1980), which have potential VOC emissions of 25 tons or more per year, located anywhere in the state, which are not otherwise regulated by other provisions of 326 IAC 8, shall reduce VOC emissions using Best Available Control Technology (BACT).

- (a) Paint Line 1 was constructed after the rule applicability date of January 1, 1980, and has potential uncontrolled VOC emissions in excess of 25 tons per year, when coating plastic parts. Pursuant to CP 113-4116-00018, issued on January 27, 1995, BACT for Paint Line 1 shall be as follows:
- (1) The robotic painting operation shall consist of electrostatic spraying with an organic solvent concentration of 9.0 pounds of VOC per gallon of solids (4.05 pounds of VOC per gallon of coating, excluding water);
 - (2) The organic solvent concentration of the coatings shall be re-evaluated on an annual basis; and
 - (3) In order to effect successful application by the electrostatic system it is necessary first to lay down a very thin layer of coating by the conventional air atomized application system.

Note: Paint Line 1, when coating metal parts is not subject to 326 IAC 8-1-6 since it is subject to 32 IAC 8-2-9.

- (b) Paint Line 2 was constructed after the rule applicability date of January 1, 1980, and has potential uncontrolled VOC emissions in excess of 25 tons per year, when coating plastic parts. Pursuant to SSM 113-21612-00018, issued on February 10, 2006, BACT for Paint Line 2 shall be as follows:
- (1) A regenerative thermal oxidizer (RTO) shall be installed and utilized to control the VOC emissions from Paint Line 2, when coating plastic parts. The overall control efficiency of the RTO shall be 98% when controlling the VOC emissions from Paint Line 2.
 - (2) The VOC content of the coating used in Paint Line 2, when coating plastic parts, shall not exceed 5.12 pounds of VOC per gallon of coating, excluding water, as delivered to the applicator from each of the spray booths of Paint Line 2.
 - (3) Good housekeeping practices will be employed to minimize leaks, spills, and evaporative losses. These include: sealing lids on all containers not in use or in storage, the purging of guns and lines into approved containers, maintaining an organized spill response and clean-up operation, performing routine maintenance on spray equipment and pumps to prevent drips and seal leaks, the use of solvent recovery systems to recover reusable solvents for on-site or off-site recycling, and using aqueous, exempt solvents or citric cleaners where effective and practical
- (c) The insignificant activities including Touch Up Areas (A, B, C, D, E, F, G, H, I, and J), Bonding Areas (A, B, C, D, E, F, G, H, I, J, K, L, M, N, O, and P), Touch Up Booth A and Touch Up Booth B, each has potential to emit of VOC less than twenty-five (25) tons per year, therefore, the requirements of 326 IAC 8-1-6 are not applicable to these facilities.

- (d) The input of VOC to spray booth AD PRO 1 shall be limited to less than 25 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Therefore, the VOC emissions are limited to less than 25 tons per year and the unit is not subject to the Best Available Control Technology (BACT) requirements under 326 IAC 8-1-6. Hence, spray booth AD PRO 1 is not included in the existing BACT requirements for Paint Line 1.

Testing Requirements

Paint Line 1:

Compliance testing is not required for the surface coating operations since the coating material usage at the surface coating operations and related VOC and volatile organic HAP emissions are using an emission factor of 2,000 pounds of pollutant emitted per ton of pollutant input to the coating operations.

Paint Line 2:

The Permittee shall perform testing on the regenerative thermal oxidizer (RTO) at least once every five (5) years to demonstrate compliance with 326 IAC 8-1-6. Testing shall be conducted in accordance with Section C – Performance Testing.

Compliance Requirements

Permits issued under 326 IAC 2-7 are required to ensure that sources can demonstrate compliance with applicable state and federal rules on a more or less continuous basis. All state and federal rules contain compliance provisions, however, these provisions do not always fulfill the requirement for a more or less 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 requirements are divided into two sections: Compliance Determination Requirements and Compliance Monitoring Requirements.

Compliance Determination Requirements in Section D of the permit are those conditions that are found more or less directly within state and federal rules and the violation of which serves as grounds for enforcement action. If these conditions 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 monitoring requirements applicable to this source are as follows:

Paint Line 1:

- (a) Daily inspections shall be performed to verify that the water level of the water wash meet the manufacturer's recommended level. To monitor the performance of the water wash, the water level of the pans shall be maintained weekly at a level where surface agitation indicates impact of the air flow. Water shall be kept free of solids and floating material that reduces the capture efficiency of the water wash. To monitor the performance of the baffles, weekly inspections of the baffle panels shall be conducted to verify placement and configuration meet recommendations of the manufacturer. In addition, weekly observations shall be made of the overspray from the surface coating booth stacks of Paint Line 1 and Paint Line 2 while one or more of the booths 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 stacks and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, 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.

Paint Line 2:

- (a) A continuous monitoring system shall be calibrated, maintained, and operated on the thermal oxidizer for measuring operating temperature. For the purposes of this condition, continuous shall mean no less than once per minute. The output of this system shall be recorded as a 3-hour average. From the initial operation of the thermal oxidizer until the approved stack test results are available, the Permittee shall operate the thermal oxidizer at or above the 3-hour average temperature of 1,300°F.
- (b) The Permittee shall determine the 3-hour average temperature from the most recent valid stack test that demonstrates compliance with VOC limits in Conditions D.1.1 and D.1.2, as approved by IDEM.
- (c) On and after the date the approved stack test results are available, the Permittee shall operate the thermal oxidizer at or above the 3-hour average temperature as observed during the compliant stack test.
- (d) The duct pressure or fan amperage shall be observed at least once per day when the thermal oxidizer is in operation. On and after the date the approved stack test results are available, the duct pressure or fan amperage shall be maintained within the normal range as established in most recent compliant stack test.

These monitoring conditions are necessary because the spray coating booths equipped with waterwash, baffles and RTO must operate properly to ensure compliance with 326 IAC 6-3 (Particulate Emissions Limitations for Manufacturing Process), 326 IAC 5-1, 40 CFR Part 64 Compliance Assurance Monitoring (CAM), 326 IAC 2-7 (Part 70), 326 IAC 8-1-6 and 326 IAC 2-2.

Recommendation

The staff recommends to the Commissioner that the Part 70 permit be approved. This recommendation is based on the following facts and conditions:

Unless otherwise stated, information used in this review was derived from the application and additional information submitted by the applicant.

An administratively complete Part 70 permit renewal application for the purposes of this review was received on September 23, 2004.

Conclusion

The operation of this stationary plastic and metal parts coating operation shall be subject to the conditions of this **Part 70 Permit No. 113-20156-00018**.

Appendix A: Emission Calculations Summary

Company Name: Creative Coatings, Inc. (Noble Paints)
Address City IN Zip: 2620 Marion Drive, Kendallville, IN 46755
Part 70 Renewal No.: T113-20156-00018
Reviewer: GS/EVP

Potential Emissions (tons/year)			
Emissions Generating Activity			
Pollutant	Combustion Sources	Surface Coating Operations	TOTAL
PM	1.16	1,785.28	1,786.44
PM10	4.28	1,785.28	1,789.56
SO2	0.33	0.00	0.33
NOx	58.81	0.00	58.81
VOC	3.16	5,505.82	5,508.98
CO	46.57	0.00	46.57
total HAPs	1.02	Greater than 25	Greater than 25
worst case single HAP	0.97	Greater than 10	Greater than 10
		Xylene	
Total emissions based on rated capacity at 8,760 hours/year.			
Controlled Emissions (tons/year)			
Emissions Generating Activity			
Pollutant	Combustion Sources	Surface Coating Operations	TOTAL
PM	1.16	89.26	90.42
PM10	4.28	89.26	93.54
SO2	0.33	0.00	0.33
NOx	58.81	0.00	58.81
VOC	3.16	<230	<250
CO	46.57	0.00	46.57
total HAPs	1.02	Greater than 25	Greater than 25
worst case single HAP	0.97	Greater than 10	Greater than 10
		Xylene	
Total emissions based on rated capacity at 8,760 hours/year.			

Appendix A: Emissions Calculations

Natural Gas Combustion Only

MM BTU/HR <100

Industrial Boilers and Other Combustion Sources

Company Name: Creative Coatings, Inc. (Noble Paints)
Address City IN Zip: 2620 Marion Drive, Kendallville, IN 46755
Part 70 Renewal No.: T113-20156-00018
Reviewer: GS/EVP

Emission Unit ID	Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr
Oven BO2	8.30	72.7
Oven D002	1.50	13.1
Washline WL2	1.50	13.1
Thermal Oxidizer RTO ¹	105.00	919.8
Oven BA01	8.80	77.1

Emission Factor in lb/MMCF	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
	1.9	7.6	0.6	100.0	5.5	84.0
				**see below		
NG bake oven BO2	0.07	0.28	0.02	3.64	0.20	3.05
NG dry off oven D002	0.01	0.05	0.00	0.66	0.04	0.55
Washline WL2	0.01	0.05	0.00	0.66	0.04	0.55
Two (2) NG thermal oxidizers RTO1 and RTO2	0.87	3.50	0.28	45.99	2.53	38.63
NG paint bake oven BA01	0.07	0.29	0.02	3.85	0.21	3.24
Total Emissions in tons/yr	1.04	4.16	0.33	54.79	3.01	46.03

*PM emission factor is filterable PM only. PM10 emission factor is filterable and condensable PM10 combined.

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

¹ Only one RTO is used at any moment

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

Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
 See page 3 for HAPs emissions calculations.

**Appendix A: Emissions Calculations
 Natural Gas Combustion Only
 MM BTU/HR <100
 Industrial Boilers and Other Combustion Sources
 HAPs Emissions**

**Company Name: Creative Coatings, Inc. (Noble Paints)
 Address City IN Zip: 2620 Marion Drive, Kendallville, Indiana 46755
 Part 70 Renewal No.: T113-20156-00018
 Reviewer: GS/EVP**

HAPs - Organics

Emission Factor in lb/MMcf	Benzene 2.1E-03	Dichlorobenzene 1.2E-03	Formaldehyde 7.5E-02	Hexane 1.8E+00	Toluene 3.4E-03
Potential Emission in tons/yr	1.137E-03	6.496E-04	4.060E-02	9.745E-01	1.841E-03

HAPs - Metals

Emission Factor in lb/MMcf	Lead 5.0E-04	Cadmium 1.1E-03	Chromium 1.4E-03	Manganese 3.8E-04	Nickel 2.1E-03	Total (ton/yr)
Potential Emission in tons/yr	2.707E-04	5.955E-04	7.579E-04	2.057E-04	1.137E-03	1.022E+00

Methodology is the same as page 2.

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: Emission Calculations
LPG-Propane - Industrial Boilers and Other Combustion Sources
(Heat input capacity: < 10 MMBtu/hr)

Company Name: Creative Coatings, Inc. (Noble Paints)
Address City IN Zip: 2620 Marion Drive, Kendallville, IN 46755
Part 70 Renewal No.: T113-20156-00018
Reviewer: GS/EVP

Emission Unit ID	Heat Input Capacity MMBtu/hr	kgals/year	SO2 Emission factor = 0.10 x S S = Sulfur Content = 0.00 grains/100ft^3
Oven BA01	8.80	842.49	
Propane Sources	6.00	574.43	

Emission Factor in lb/kgal	Pollutant					
	PM*	PM10*	SO2 (0.10S)	NOx	VOC **TOC value	CO
	0.4	0.4	0.0	14.0	0.5	1.9
Propane fired Paint Bake Oven	0.17	0.17	0.00	5.90	0.21	0.80
Propane fired combustion sources	0.11	0.11	0.00	4.02	0.14	0.55
Total Emissions in tons/yr	0.11	0.11	0.00	4.02	0.14	0.55

*PM emission factor is filterable PM only. PM10 emission factor is assumed to be the same as PM based on a footnote in Table 1.5-1, therefore PM10 is filterable only as well.

**The VOC value given is TOC. The methane emission factor is 0.2 lb/kgal.

Methodology

1 gallon of LPG has a heating value of 94,000 Btu

1 gallon of propane has a heating value of 91,500 Btu (use this to convert emission factors to an energy basis for propane)

(Source - AP-42 (Supplement B 10/96) page 1.5-1)

Potential Throughput (kgals/year) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1kgal per 1000 gallon x 1 gal per 0.0915 MMBtu

Emission Factors are from AP42 (Supplement B 10/96), Table 1.5-1 (SCC #1-02-010-02)

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

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

Company Name: Creative Coatings, Inc. (Noble Paints)
Address City IN Zip: 2620 Marion Drive, Kendallville, IN 46755
Part 70 Renewal No.: T113-20156-00018
Reviewer: GS/EVP

Material	Density (Lb/Gal)	Weight % Volatile (H2O & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	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)	lb VOC/gal solids	Transfer Efficiency
Paint Line 1																
Gray Primer	8.53	65.40%	0.0%	65.4%	0.0%	71.10%	0.0500	21.000	5.58	5.58	5.86	140.58	25.66	6.79	7.85	50%
Base Coat Red Spot 318	7.64	77.60%	0.0%	77.6%	0.0%	16.30%	0.0625	40.000	5.93	5.93	14.82	355.72	64.92	9.37	36.37	50%
Clear Coat Red Spot 379	8.18	50.60%	0.0%	50.6%	0.0%	42.50%	0.0625	40.000	4.14	4.14	10.35	248.34	45.32	22.12	9.74	50%
Gray Monocoat HAP 34256 BF	8.89	48.51%	0.0%	48.5%	0.0%	40.58%	0.0330	75.000	4.31	4.31	10.67	256.16	46.75	24.81	10.63	50%
AD Gray Cond Primer 11ALCAA6859	8.72	62.10%	0.0%	62.1%	0.0%	23.70%	0.0330	21.000	5.42	5.42	3.75	90.06	16.44	5.02	22.85	50%
Black Primer	11.60	26.70%	0.0%	26.7%	0.0%	56.90%	0.0400	33.000	3.10	3.10	4.09	98.12	17.91	24.58	5.44	50%
Gray Monocoat HAP 34256 BF	8.89	48.51%	0.0%	48.5%	0.0%	40.58%	0.0330	75.000	4.31	4.31	10.67	256.16	46.75	24.81	10.63	50%
Whitco SG HS black enamel	10.93	26.00%	0.0%	26.0%	0.0%	47.70%	0.0120	150.000	2.84	2.84	5.12	122.77	22.40	31.88	5.96	50%
Sheboygan 71-261 A	10.13	51.60%	41.0%	10.6%	49.9%	35.90%	0.0020	150.000	2.14	1.07	0.32	7.73	1.41	3.22	2.99	50%
Black Enamel	9.50	28.10%	0.0%	28.1%	0.0%	25.10%	1.5000	11.000	2.67	2.67	44.05	1057.12	192.92	246.82	10.64	50%
Primer Application SW CC-A28	11.73	28.30%	0.0%	28.3%	0.0%	53.00%	1.1000	0.340	3.32	3.32	1.24	29.80	5.44	6.89	6.26	50%
Top Coat Application SW CC-B21	8.08	41.80%	0.0%	41.8%	0.0%	51.70%	1.1000	0.340	3.38	3.38	1.26	30.32	5.53	3.85	6.53	50%
Cleaning Solvent MAK	6.76	100.00%	0.0%	100.0%	0.0%	0.00%	NA	NA	6.76	6.76	0.08	2.00	0.37	0.00	NA	100%
Wipe Cleaning Solvent	6.58	100.00%	0.0%	100.0%	0.0%	0.00%	0.0300	11.000	6.58	6.58	2.17	52.11	9.51	0.00	NA	100%
AD Gray Cond Primer 11ALCAA6859	8.72	62.10%	0.0%	62.1%	0.0%	23.70%	0.0330	21.000	5.42	5.42	3.75	90.06	16.44	5.02	22.85	50%
Adhesion Promoter 764x7205	7.6	87.26%	0.0%	87.3%	0.0%	7.45%	0.37500	90.000	6.61	6.61	223.23	5357.59	977.76	35.69	88.78	75%
Sub-Total													4888.80	1234.10		
Paint Line 2																
HS Primer	8.9	57.45%	0.0%	57.5%	0.0%	32.70%	0.17000	10.000	5.12	5.12	8.70	208.85	38.11	28.23	15.65	0%
CBC Series	8.6	50.80%	0.0%	50.8%	0.0%	30.70%	0.08300	120.000	4.35	4.35	43.31	1039.46	189.70	183.73	14.16	0%
2K Clear Coat	8.1	57.99%	0.0%	58.0%	0.0%	35.60%	0.08300	120.000	4.71	4.71	46.96	1126.97	205.67	149.00	13.24	0%
Sub-Total													617.02	551.18		

Uncontrolled Potential Emissions:

1785.86	42860.72	5505.82	1785.28
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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 hr/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

Note: The worst case emissions are multiplied by 8 to reflect the emissions from the seven booths in Paint Line 1 and Paint Line 2.

Controlled Particulate Emissions:	Control Efficiency	Emissions
	95%	89.26

Appendix A: Emission Calculations
HAP Emission Calculations

Company Name: Creative Coatings, Inc. (Noble Paints)
 Address City IN Zip: 2620 Marion Drive, Kendallville, IN 46755
 Part 70 Renewal No.: T113-20156-00018
 Reviewer: GS/EVP

Material for PL1	Density	Gallons of Material	Maximum	Weight %	Weight %	Weight %	Weight %	Weight %	Weight %	Toluene Emissions	Xylene Emissions	Ethyl Benzene Emissions	Formaldehyde Emissions	Glycol Ether Emissions	Dibutyl Phthalate Emissions	Total HAP Emissions	
	(Lb/Gal)	(gal/unit)	(unit/hour)	Toluene	Xylene	Ethyl Benzene	Formaldehyde	Glycol Ether	Dibutyl Phthalate	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)	(ton/yr)	
Paint Line 1																	
Gray Primer	8.53	0.0500	21.000	0.00%	30.00%	10.00%	0.00%	0.00%	0.00%	0.00	11.77	3.92	0.00	0.00	0.00	15.69	
Base Coat Red Spot 318	7.64	0.0625	40.000	20.00%	1.00%	0.00%	0.00%	0.00%	0.00%	16.73	0.84	0.00	0.00	0.00	0.00	17.57	
Clear Coat Red Spot 379	8.18	0.0625	40.000	0.00%	1.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.90	0.00	0.00	0.00	0.00	0.90	
Gray Monocoat HAP 34256 BF	8.89	0.0330	75.000	0.00%	5.00%	1.00%	0.00%	0.00%	0.00%	0.00	4.82	0.96	0.00	0.00	0.00	5.78	
AD Gray Cond Primer 11ALCAA6859	8.72	0.0330	21.000	20.00%	20.00%	5.00%	0.04%	0.00%	0.00%	5.29	5.29	1.32	0.01	0.00	0.00	11.92	
Black Primer	11.60	0.0400	33.000	0.00%	15.00%	5.00%	0.10%	0.00%	0.00%	0.00	10.06	3.35	0.07	0.00	0.00	13.48	
Gray Monocoat HAP 34256 BF	8.89	0.0330	75.000	0.00%	15.00%	0.00%	0.00%	0.00%	0.00%	0.00	14.46	0.00	0.00	0.00	0.00	14.46	
Whitco SG HS black enamel	10.93	0.0120	150.000	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	
Sheboygan 71-261 A	10.13	0.0020	150.000	0.00%	0.00%	0.00%	0.00%	8.63%	1.69%	0.00	0.00	0.00	0.00	1.15	0.22	1.37	
Black Enamel	9.50	1.5000	11.000	0.00%	0.00%	0.00%	0.00%	7.70%	0.00%	0.00	0.00	0.00	0.00	52.87	0.00	52.87	
Primer Application SW CC-A28	11.73	1.1000	0.340	0.00%	0.00%	0.00%	0.00%	10.05%	0.00%	0.00	0.00	0.00	0.00	1.93	0.00	1.93	
Top Coat Application SW CC-B21	8.08	1.1000	0.340	0.00%	0.00%	0.00%	0.00%	7.34%	0.00%	0.00	0.00	0.00	0.00	0.97	0.00	0.97	
Cleaning Solvent MAK	6.76	0.084gal/hour		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	
Wipe Cleaning Solvent	6.58	0.0300	11.000	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	
AD Gray Cond Primer 11ALCAA6859	8.72	0.0330	21.000	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	
Adhesion Promoter 764x7205	7.6	0.3750	90.000	32.00%	31.00%	8.60%	0.00%	0.00%	0.00%	358.56	347.36	96.36	0.00	0.00	0.00	802.29	
Sub-Total										1792.82	1736.80	481.82	0.34	264.33	1.12	4011.44	
Paint Line 2																	
HS Series	8.90	0.1700	10.000	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	
CBC Series	8.60	0.0830	120.000	3.00%	1.65%	1.65%	0.00%	0.00%	0.00%	11.26	6.19	6.19	0.00	0.00	0.00	23.64	
2K Clear Coat	8.10	0.0830	120.000	0.55%	20.00%	3.55%	0.00%	0.00%	0.00%	1.94	70.67	12.54	0.00	0.00	0.00	85.16	
Sub-Total										33.77	212.02	37.63	0.00	0.00	0.00	255.48	
Total Uncontrolled Potential Emissions										Total	1826.59	1948.81	519.45	0.34	264.33	1.12	4266.92

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
 Note: The worst case emissions are multiplied by 8 to reflect the emissions from the seven booths in Paint Line 1 and Paint Line 2.