INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
We make Indiana a cleaner, healthier place to live.

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100 North Senate Avenue
Indianapolis, Indiana 46204
MC 61-53 IGCN 1003
(317) 232-8603
(800) 451-6027
www.IN.gov/idem

TO: Interested Parties / Applicant

DATE: August 2, 2007

RE: Utilimaster Corporation / 039-19587-00530

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 impractible 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
FNTVOP.dot 03/23/06

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(800) 451-6027
www.IN.gov/idem

PART 70 OPERATING PERMIT RENEWAL
OFFICE OF AIR QUALITY

Utilimaster Corporation
65906 State Road 19
Wakarusa, Indiana 46573

(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.: T039-19587-00530	
Issued by: *Original document signed by* Nisha Sizemore, Chief Permits Branch Office of Air Quality	Issuance Date: August 2, 2007 Expiration Date: August 2, 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 commercial vehicle assembly plant.

Source Address:	65906 State Road 19, Wakarusa, Indiana 46573
Mailing Address:	P.O. Box 585, Wakarusa, 46573-0585
General Source Phone Number:	(574) 862-3440
SIC Code:	3713
County Location:	Elkhart
Source Location Status:	Nonattainment for ozone under the 8-hour standard Attainment for all other criteria pollutants
Source Status:	Part 70 Permit Program Major Source, under PSD and Emission Offset Rules; Major Source, Section 112 of the Clean Air Act

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

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

(a) Plant 3, identified as EU3, constructed in 1973, consisting of:
One (1) final inspection area, with a maximum capacity of six and one half (6.5) truck bodies per hour, applying cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation GV9-1.

(b) Plant 5, identified as EU5, consisting of:

(1) One (1) painting operation, with a maximum capacity of three and three fourths (3.75) chassis per hour, constructed in 1999, using dry filters as control, and exhausting through general ventilation, SV8-1 and SV8-2, and

(2) One (1) undercoating booth, with a maximum capacity of two (2) trucks per hour, constructed in 2004, using dry filters for particulate overspray control, and exhausting through general ventilation.

(c) Plant 6, identified as EU6, constructed in 1973, consisting of:
One (1) final inspection operation with a maximum capacity of (7.5) trucks per hour, applying cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation, GV1-1 through GV1-5.

(d) Plant 8, identified as EU8, constructed in 1973, consisting of:
One (1) general assembly operation, with a maximum capacity of three (3) chassis per hour, applying sealants, adhesives, paints and caulks to plastic and metal surfaces, exhausting inside the building to general ventilation, GV2-1 through GV2-3.

(e) Plant 10, identified as EU10, constructed in 1973, consisting of:
One (1) general assembly operation, with a maximum capacity of two and one half (2.5) chassis per hour, applying sealants, caulks and cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation GV17-1 and GV17-2.

(f) Plant 11, identified as EU11, constructed in 1973, reconstructed in 1999, consisting of:

(1) One (1) general assembly operation, with a maximum capacity of nine and one half (9.5) truck bodies per hour, applying sealants, caulks and cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation, GV3-1 and GV3-2, and

(2) One (1) final inspection area, with a maximum capacity of nine and one half (9.5) truck bodies per hour, applying cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation, GV7-1.

(g) Plants 12 & 32, identified as EU12 and EU32, consisting of:

(1) One (1) service and repair operation, with a maximum capacity of one half (0.5) trucks per hour, constructed in 1975, exhausting inside the building to general ventilation, GV18-1, and

(2) One (1) painting operation, with a maximum capacity of one half (0.5) trucks per hour, constructed in 1986, using dry filters as control, and exhausting through general ventilation, GV18-2.

(h) Plant 14, identified as EU14, consisting of:

(1) Two (2) surface coating operations, identified as Line #1 and Line #2, each constructed in 1986, with maximum capacities of six and one half (6.5) truck bodies per hour and five (5) steel racks per hour, respectively, using dry filters as control, and exhausting through general ventilation PB11-1 through PB11-7 and SB11-8, respectively, and

(2) Paint Line #3, installed in 2000, consisting of:
one (1) paint booth, identified as PB003, using an air atomization spray system, coating a maximum of four (4.0) aluminum truck bodies per hour, using dry filters for particulate matter control and exhausting to stacks 1 and 2.

(i) Plant 16, identified as EU16, constructed in 1973, consisting of:

(1) One (1) general assembly operation, with a maximum capacity of two and one half (2.5) chassis per hour, applying sealants, caulks and cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation GV14-1 and GV14-2, and

(2) One (1) general assembly operation, with a maximum capacity of five and one fourth (5.25) truck bodies and parcel delivery vans (PDV) per hour, applying cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation GV14-1 through GV14-4.

(j) Plant 18, identified as EU18, constructed in 1975, consisting of:

(1) One (1) general assembly operation, with a maximum capacity of four (4) truck bodies per hour, applying sealants, caulks and cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation, GV16-1 through GV16-7, and

(2) One (1) undercoating booth, with a maximum capacity of thirteen and one half (13.5) chassis per hour, using dry filters as control, and exhausting through general ventilation, GV16-1 through GV16-7.

Under NESHAP MMMM the above listed coating units are considered existing affected sources because the construction of the source commenced prior to January 2, 2004 and the source is not reconstructed.

Under NESHAP PPPP EU14 is considered an existing affected source because the construction of the source commenced prior to December 4, 2002 and the source is not reconstructed.

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) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6, degreasing in Plant 8, Plant 10, Plant 15, Plant 16, Plant 18, constructed in 1995, 1986, 1973, 1973, 1973, respectively. [326 IAC 8-3-2] [326 IAC 8-3-5]

(b) Plant 4 welding operation, constructed in 1999.

(c) Plant 7 steel welding operation and aluminum welding operation, constructed in 1999.

(d) Plant 10 woodworking operation, constructed in 1973. [326 IAC 6-3]

(e) Plant 17 steel welding operation and aluminum welding operation, constructed in 1973.

(f) Plant 12 & 32 woodworking operation, constructed in 1975, with a maximum capacity of two hundred (200) pounds of wood per hour, using a baghouse DC18-4, as control, and exhausting to general ventilation inside the building. [326 IAC 6-3]

(g) Plant 18, constructed in 1975, consisting of:

(1) One (1) bonded door assembly area, with a maximum capacity of 180 door assemblies per day, applying coatings to metal surfaces, and exhausting inside the building to general ventilation, GV16-1 through GV16-7,

(2) One (1) lamination process, with a maximum capacity of 720 square feet per day and exhausting inside the building to general ventilation, GV16-1 through GV16-7,

(3) three (3) storage tanks, EU16-D (diesel fuel), EU16-G (gasoline), EU17-G (gasoline), each with storage capacities of less than 10,500 gallons, and

(4) one (1) woodworking operation, with a maximum capacity of two hundred (200) pounds of wood per hour, using a baghouse DC16, as control, and exhausting to general ventilation inside the building. [326 IAC 6-3]

(h) Steel and aluminum welding operations in Plants 10, 16, and 18, constructed in 1973.

(i) One gasoline storage tank outside Plant 11 with storage capacity of less than 10,500 gallons, constructed in 1973.

(j) Plant 14 touch-up paint booth, identified as TB004, constructed in 2000, using an air atomization spray system, coating a maximum of four (4.0) aluminum truck bodies per hour, using dry filters for particulate matter control and exhausting to stack 4.

(k) Touch-up painting activity in Plant 6, constructed in 1973, using less than 500 gallons per year, using no controls, and exhausting to the indoors.

(l) Plant 11 bonded door assembly area, constructed in 1999, with a maximum capacity of 100 door assemblies per day, applying coatings to metal surfaces, and exhausting inside the building to general ventilation, GV3-1 and GV3-2.

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

(1) one (1) natural gas fired curing oven, identified as C003, with a maximum heat input rate of 1.5 MMBtu per hour, exhausting to stack 3,

(2) two (2) natural gas fired paint booth air make-up units, identified as 001 and 002, each with a maximum heat input rate of 1.5 MMBtu per hour, exhausting to stacks 1 and 2, and

(3) one hundred and thirty seven (137) natural gas-fired space heaters, with a combined heat input rate of 95.3 MMBtu per hour.

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, T039-19587-00530, 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 no later than April 15 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 PMP does not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) To the extent the Permittee is required by 40 CFR Part 60/63 to have an Operation Maintenance, and Monitoring (OMM) Plan for a unit, such Plan is deemed to satisfy the PMP requirements of 326 IAC 1-6-3 for that unit.

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

(a) An emergency, as defined in 326 IAC 2-7-1(12), is not an affirmative defense for an action brought for noncompliance with a federal or state health-based emission limitation.

(b) An emergency, as defined in 326 IAC 2-7-1(12), constitutes an affirmative defense to an action brought for noncompliance with a technology-based emission limitation if the affirmative defense of an emergency is demonstrated through properly signed, contemporaneous operating logs or other relevant evidence that describe the following:

(1) An emergency occurred and the Permittee can, to the extent possible, identify the causes of the emergency;

(2) The permitted facility was at the time being properly operated;

(3) During the period of an emergency, the Permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards or other requirements in this permit;

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ within four (4) daytime business hours after the beginning of the emergency, or after the emergency was discovered or reasonably should have been discovered;

Telephone Number: 1-800-451-6027 (ask for Office of Air Quality, Compliance Section), or
Telephone Number: 317-233-0178 (ask for Compliance Section)
Facsimile Number: 317-233-6865

(5) For each emergency lasting one (1) hour or more, the Permittee submitted the attached Emergency Occurrence Report Form or its equivalent, either by mail or facsimile to:

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
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 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 T039-19587-00530 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 permit, all previous registrations and permits are superseded by this 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] [326 IAC 2-2-2] [326 IAC 2-3-2]

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

(b) Any modification at an existing major source is governed by the requirements of 326 IAC 2-2-2 and 326 IAC 2-3-2.

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.

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.

C.11 Instrument Specifications [326 IAC 2-1.1-11] [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

(a) When required by any condition of this permit, an analog instrument used to measure a parameter related to the operation of an air pollution control device shall have a scale such that the expected maximum reading for the normal range shall be no less than twenty percent (20%) of full scale.

(b) The Permittee may request that the IDEM, OAQ approve the use of an instrument that does not meet the above specifications provided the Permittee can demonstrate that an alternative instrument specification will adequately ensure compliance with permit conditions requiring the measurement of the parameters.

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

C.12 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 June 12, 2000.

(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.13 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.14 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.15 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.16 Emission Statement [326 IAC 2-7-5(3)(C)(iii)][326 IAC 2-7-5(7)][326 IAC 2-7-19(c)][326 IAC 2-6]

(a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 2007 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

(1) Indicate estimated actual emissions of all pollutants listed in 326 IAC 2-6-4(a);

(2) Indicate estimated actual emissions of regulated pollutants as defined by 326 IAC 2-7-1 (32) ("Regulated pollutant, which is used only for purposes of Section 19 of this rule") from the source, for purpose of fee assessment.

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
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.17 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 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)(3); 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.18 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) and/or 326 IAC 2-3-1 (ll)) 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) and/or 326 IAC 2-3-1 (qq), 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 a 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) and/or 326 IAC 2-3-2(c)(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.19 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) Plant 3, identified as EU3, constructed in 1973, consisting of:
One (1) final inspection area, with a maximum capacity of six and one half (6.5) truck bodies per hour, applying cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation GV9-1.

(b) Plant 5, identified as EU5, consisting of:
(1) One (1) painting operation, with a maximum capacity of three and three fourths (3.75) chassis per hour, constructed in 1999, using dry filters as control, and exhausting through general ventilation, SV8-1 and SV8-2, and

(2) One (1) undercoating booth, with a maximum capacity of two (2) trucks per hour, constructed in 2004, using dry filters for particulate overspray control, and exhausting through general ventilation.

(c) Plant 6, identified as EU6, constructed in 1973, consisting of:
One (1) final inspection operation with a maximum capacity of (7.5) trucks per hour, applying cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation, GV1-1 through GV1-5.

(d) Plant 8, identified as EU8, constructed in 1973, consisting of:
One (1) general assembly operation, with a maximum capacity of three (3) chassis per hour, applying sealants, adhesives, paints and caulks to plastic and metal surfaces, exhausting inside the building to general ventilation, GV2-1 through GV2-3.

(e) Plant 10, identified as EU10, constructed in 1973, consisting of:
One (1) general assembly operation, with a maximum capacity of two and one half (2.5) chassis per hour, applying sealants, caulks and cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation GV17-1 and GV17-2.

(f) Plant 11, identified as EU11, constructed in 1973, reconstructed in 1999, consisting of:
(1) One (1) general assembly operation, with a maximum capacity of nine and one half (9.5) truck bodies per hour, applying sealants, caulks and cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation, GV3-1 and GV3-2, and

(2) One (1) final inspection area, with a maximum capacity of nine and one half (9.5) truck bodies per hour, applying cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation, GV7-1.

(3) One (1) bonded door assembly area, with a maximum capacity of 100 door assemblies per day, applying coatings to metal surfaces, and exhausting to general ventilation, GV3-1 to 2.

(g) Plants 12 & 32, identified as EU12 and EU32, consisting of:
(1) One (1) service and repair operation, with a maximum capacity of one half (0.5) trucks per hour, constructed in 1975, exhausting inside the building to general ventilation, GV18-1, and

(2) One (1) painting operation, with a maximum capacity of one half (0.5) trucks per hour, constructed in 1986, using dry filters as control, and exhausting through general ventilation, GV18-2.

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

(h) Plant 14, identified as EU14, consisting of:

(1) Two (2) surface coating operations, identified as Line #1 and Line #2, each constructed in 1986, with maximum capacities of six and one half (6.5) truck bodies per hour and five (5) steel racks per hour, respectively, using dry filters as control, and exhausting through general ventilation PB11-1 through PB11-7 and SB11-8, respectively, and

(2) Paint Line #3, installed in 2000, consisting of:
one (1) paint booth, identified as PB003, using an air atomization spray system, coating a maximum of four (4.0) aluminum truck bodies per hour, using dry filters for particulate matter control and exhausting to stacks 1 and 2.

(3) One (1) touch-up paint booth, identified as TB004, constructed in 2000, using an air atomization spray system, coating a maximum of four (4.0) aluminum truck bodies per hour, using dry filters for particulate matter control and exhausting to stack 4. [326 IAC 6-3-2(d)]

(i) Plant 16, identified as EU16, constructed in 1973, consisting of:

(1) One (1) general assembly operation, with a maximum capacity of two and one half (2.5) chassis per hour, applying sealants, caulks and cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation GV14-1 and GV14-2, and

(2) One (1) general assembly operation, with a maximum capacity of five and one fourth (5.25) truck bodies and parcel delivery vans (PDV) per hour, applying cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation GV14-1 through GV14-4.

(j) Plant 18, identified as EU18, constructed in 1975, consisting of:

(1) One (1) general assembly operation, with a maximum capacity of four (4) truck bodies per hour, applying sealants, caulks and cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation, GV16-1 through GV16-7, and

(2) One (1) undercoating booth, with a maximum capacity of thirteen and one half (13.5) chassis per hour, using dry filters as control, and exhausting through general ventilation, GV16-1 through GV16-7.

Under NESHAP MMMM the above listed coating units are considered existing affected sources because the construction of the source commenced prior to January 2, 2004 and the source is not reconstructed.

Under NESHAP PPPP EU14 is considered an existing affected source because the construction of the source commenced prior to December 4, 2002 and the source is not reconstructed.

(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) [326 IAC 8-2-9]

(a) Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the volatile organic compound (VOC) content of coating delivered to the applicator:

(1) at the State Road 19 site, the eight (8) paint booths identified as EU14 (Line #1), shall be limited to 3.5 pounds of VOC per gallon of coating less water, for air dried coatings.

(2) at the State Road 19 site, the EU14 vehicle body non-customized top coat paint booth (Line #2), VOC emissions shall be limited to 4.3 pounds of VOCs per gallon of coating less water.

(b) Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the volatile organic compound (VOC) content of the undercoating delivered to the applicators at the EU5 undercoating booth, EU5, EU12 and EU32 paint booths shall be limited to 3.5 pounds of VOCs per gallon of coating less water, for forced warm air dried coatings.

(c) Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the volatile organic compound (VOC) content of coatings applied to the aluminum truck body at paint booth PB003 shall be limited to 3.5 pounds of VOC per gallon of coating less water delivered to the applicator.

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

Pursuant to 326 IAC 8-2-9(f), all solvents sprayed from the application equipment of the surface coating and undercoating booths during cleanup or color changes shall be directed into containers. Said containers shall be closed as soon as the solvent spraying is complete. In addition, all waste solvent shall be disposed of in such a manner that minimizes evaporation.

D.1.3 Volatile Organic Compound (VOC) Limit [326 IAC 2-2]

(a) Pursuant to T039-7087-00530, issued on June 12, 2000, the facilities located at the State Road 19 site, Plants EU3, EU6, EU8, EU10, EU12 & 32, EU14, EU16 and EU18 shall use less than 250 tons of VOC combined, including coatings, dilution solvents, and cleaning solvents, per 12 consecutive month period, with compliance determined at the end of each month. This usage limit is required to limit the potential to emit of VOC to less than 250 tons per year. Compliance with this limit makes 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

(b) Pursuant to T039-7087-00530, issued on June 12, 2000, the facilities identified as Plants EU4, EU5 painting operation, EU7, and EU11 located at the State Road 19 site shall use less than 40 tons of VOC combined, including coatings, dilution solvents, and cleaning solvents, per 12 consecutive month period, with compliance determined at the end of each month. This usage limit is required to limit the potential to emit of VOC to less than 40 tons per year. Compliance with this limit makes 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

(c) Pursuant to MSM 039-19251-00530, issued on July 27, 2004, the VOC usage from Plant EU5 undercoating operation shall be limited to less than 25 tons per twelve (12) consecutive month period, with compliance demonstrated at the end of each month. Compliance with this limit makes 326 IAC 2-2 (Prevention of Significant Deterioration (PSD)), not applicable.

(d) Pursuant to SSM 039-11906-00530, issued on May 22, 2000, the VOC usage, including coatings, dilution solvents, and cleaning solvents, in the paint booths identified as PB003 and TB004 shall be limited to less than forty (40) tons per twelve (12) consecutive month period, with compliance determined at the end of the month. Compliance with this limit makes 326 IAC 2-2 (Prevention of Significant Deterioration) not applicable.

D.1.4 Volatile Organic Compounds (VOCs) [326 IAC 8-1-6]

Pursuant to Construction Permit PC (20) 1830, issued on June 17, 1986, 326 IAC 8-1-6 (Best Available Control Technology (BACT)) for EU14 when coating non-metal materials has been determined to be:

(a) the use of high-solids top coat for the State Road 19 Plant EU14 vehicle body top coat

paint booth when engaged in customized top coating.

(b) the State Road 19 Plant EU14 vehicle body customized top coating shall be limited to less than 35 vehicles per day.

D.1.5 Automobile and Light Duty Truck Coating Operations [326 IAC 8-2-2]

In order that the requirements of 326 IAC 8-2-2 do not apply, vehicles coated at the State Road 19 site shall either:

(a) be rated at greater than 8500 pounds per vehicle; or

(b) be manufactured truck bodies for sale separately or on purchased chassis rated at less than 8500 pounds per vehicle.

D.1.6 Particulate [326 IAC 6-3-2(d)]

Pursuant to 326 IAC 6-3-2(d), particulate from the Plants EU5, EU12, EU32, EU14, PB003 and TB004 surface coating operations and the Plants EU5 and EU18 undercoating operations shall be controlled by dry particulate filters, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

D.1.7 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

A Preventive Maintenance Plan, in accordance with Section B - Preventive Maintenance Plan, of this permit, is required for the surface coating and undercoating operations and their control devices.

Compliance Determination Requirements

D.1.8 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 and D.1.3 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets. IDEM, OAQ reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

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

D.1.9 Monitoring [40 CFR Part 64]

The Plants EU5, EU12, EU32 and EU14 surface coating booths, EU14 touch-up booth (TB004) and the Plants EU5 and EU18 undercoating booths have applicable compliance monitoring conditions as specified below:

(a) The dry filters for particulate matter overspray control shall be properly in place and maintained to ensure integrity and particulate loading of the filters at all times when the paint booths are in operation.

(b) The Permittee shall implement an operator training program with the following requirements:

(1) All operators that perform painting operations or booth maintenance shall be trained in the proper set-up and operation of the particulate control system. All existing operators shall be trained within sixty (60) days of permit issuance. All new operators shall be trained upon hiring.

(2) Training shall include proper filter alignment, filter inspection and maintenance, and trouble shooting practices. The training program shall be in writing and retained on site. Copies of the training program, the list of trained operators, and

training records shall be maintained on site or available within one (1) hour for inspection by IDEM.

(3) All operators shall be given refresher training annually.

(c) Records shall be maintained of any non-routine maintenance activities performed on the particulate emission control devices which have air flow greater than four thousand cubic feet per minute (4000 cfm).

Compliance with the above monitoring conditions shall also satisfy the requirements of 40 CFR 64, Compliance Assurance Monitoring for Plant EU14 surface coating booth and Plant EU18 undercoating booth.

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

D.1.10 Record Keeping Requirements

(a) To document compliance with Conditions D.1.1, D.1.2 and D.1.3, the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken monthly and shall be complete and sufficient to establish compliance with the VOC usage limits and/or the VOC emission limits established in Conditions D.1.1, D.1.2 and D.1.3. Records necessary to demonstrate compliance shall be available within 30 days of the end of each compliance period.

(1) The VOC content of each coating material and solvent used.

(2) The amount of coating material and solvent less water used on monthly basis.

(A) Records shall include purchase orders, invoices, and material safety data sheets (MSDS) necessary to verify the type and amount used.

(B) Solvent usage records shall differentiate between those added to coatings and those used as cleanup solvents.

(3) The cleanup solvent usage for each month;

(4) The total VOC usage for each month; and

(5) The weight of VOCs emitted for each compliance period.

(b) To document compliance with Condition D.1.4(b), the Permittee shall maintain records of the number of vehicles painted with customized top coating.

(c) To document compliance with Condition D.1.9, the Permittee shall maintain the following:

(1) Copies of the training program, the list of trained operators, and training records shall be maintained on site or available within one (1) hour for inspection by IDEM.

(2) Records any non-routine maintenance activities performed on the particulate emission control devices which have air flow greater than four thousand cubic feet per minute (4000 cfm).

(d) All records shall be maintained in accordance with Section C - General Record Keeping Requirements, of this permit.

D.1.11 Reporting Requirements

A quarterly summary of the information to document compliance with Condition D.1.3 shall be submitted to the address listed in Section C - General Reporting Requirements, of this permit, using the reporting forms located at the end of this permit, or their equivalent, within thirty (30) days after the end of the quarter being reported. The report submitted by the Permittee does 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) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6, degreasing in Plant 8, Plant 10, Plant 15, Plant 16, Plant 18, constructed in 1995, 1986, 1973, 1973, 1973, respectively. [326 IAC 8-3-2] [326 IAC 8-3-5]

(b) Plant 4 welding operation, constructed in 1999.

(c) Plant 7 steel welding operation and aluminum welding operation, constructed in 1999.

(d) Plant 10 woodworking operation, constructed in 1973. [326 IAC 6-3]

(e) Plant 17 steel welding operation and aluminum welding operation, constructed in 1973.

(f) Plant 12 & 32 woodworking operation, constructed in 1975, with a maximum capacity of two hundred (200) pounds of wood per hour, using a baghouse DC18-4, as control, and exhausting to general ventilation inside the building. [326 IAC 6-3]

(g) Plant 18, constructed in 1975, consisting of:

(1) One (1) bonded door assembly area, with a maximum capacity of 180 door assemblies per day, applying coatings to metal surfaces, and exhausting inside the building to general ventilation, GV16-1 through GV16-7,

(2) One (1) lamination process, with a maximum capacity of 720 square feet per day and exhausting inside the building to general ventilation, GV16-1 through GV16-7,

(3) three (3) storage tanks, EU16-D (diesel fuel), EU16-G (gasoline), EU17-G (gasoline), each with storage capacities of less than 10,500 gallons, and

(4) one (1) woodworking operation, with a maximum capacity of two hundred (200) pounds of wood per hour, using a baghouse DC16, as control, and exhausting to general ventilation inside the building. [326 IAC 6-3]

(h) Steel and aluminum welding operations in Plants 10, 16, and 18, constructed in 1973.

(i) One gasoline storage tank outside Plant 11 with storage capacity of less than 10,500 gallons, constructed in 1973.

(j) Touch-up painting activity in Plant 6, constructed in 1973, using less than 500 gallons per year, using no controls, and exhausting to the indoors.

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

(1) one (1) natural gas fired curing oven, identified as C003, with a maximum heat input rate of 1.5 MMBtu per hour, exhausting to stack 3,

(2) two (2) natural gas fired paint booth air make-up units, identified as 001 and 002, each with a maximum heat input rate of 1.5 MMBtu per hour, exhausting to stacks 1 and 2, and

(3) one hundred and thirty seven (137) natural gas-fired space heaters, with a combined heat input rate of 95.3 MMBtu per hour.

(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 Cold Cleaner Operations [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations existing as of January 1, 1980, located in Clark, Elkhart, Floyd, Lake, Marion, Porter and St. Joseph Counties and which have potential emissions of one hundred (100) tons per year or greater of VOC, and for cold cleaning operations constructed after January 1, 1980, the Permittee shall:

(a) Equip the cleaner with a cover;

(b) Equip the cleaner with a facility for draining cleaned parts;

(c) Close the degreaser cover whenever parts are not being handled in the cleaner;

(d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;

(e) Provide a permanent, conspicuous label summarizing the operation requirements;

(f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

D.2.2 Cold Cleaner Degreaser Operation and Control [326 IAC 8-3-5]

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold cleaner degreaser operations without remote solvent reservoirs existing as of July 1, 1990, located in Clark, Elkhart, Floyd, Lake, Marion, Porter or St. Joseph Counties, and for cold cleaner degreaser operations without remote solvent reservoirs constructed after July 1, 1990, the Permittee shall ensure that the following control equipment requirements are met:

(1) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:

(A) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius ($38^{O}C$) (one hundred degrees Fahrenheit ($100^{O}F$));

(B) The solvent is agitated; or

(C) The solvent is heated.

(2) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius ($38^{O}C$) (one hundred degrees Fahrenheit ($100^{O}F$)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

(3) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

(4) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

(5) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius (38^{O}C) (one hundred degrees Fahrenheit (100^{O}F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9^{O}C) (one hundred twenty degrees Fahrenheit (120^{O}F)):

(A) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(B) A water cover when solvent is used is insoluble in, and heavier than, water.

(C) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

(b) Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility shall ensure that the following operating requirements are met:

(1) Close the cover whenever articles are not being handled in the degreaser.

(2) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

(3) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

D.2.3 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the allowable particulate emission rate from each of Plant 12 & 32, identified as EU12 and EU32, and Plant 18, identified as EU18, woodworking operations shall not exceed 0.88 pounds per hour when operating at a process weight rate of 200 pounds of wood per hour. The pounds per hour limitation was calculated using the following equation:

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

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

SECTION E.1 FACILITY OPERATION CONDITIONS

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

(a) Plant 3, identified as EU3, constructed in 1973, consisting of:
One (1) final inspection area, with a maximum capacity of six and one half (6.5) truck bodies per hour, applying cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation GV9-1.

(b) Plant 5, identified as EU5, consisting of:
(1) One (1) painting operation, with a maximum capacity of three and three fourths (3.75) chassis per hour, constructed in 1999, using dry filters as control, and exhausting through general ventilation, SV8-1 and SV8-2, and

(2) One (1) undercoating booth, with a maximum capacity of two (2) trucks per hour, constructed in 2004, using dry filters for particulate overspray control, and exhausting through general ventilation.

(c) Plant 6, identified as EU6, constructed in 1973, consisting of:
One (1) final inspection operation with a maximum capacity of (7.5) trucks per hour, applying cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation, GV1-1 through GV1-5.

(d) Plant 8, identified as EU8, constructed in 1973, consisting of:
One (1) general assembly operation, with a maximum capacity of three (3) chassis per hour, applying sealants, adhesives, paints and caulks to plastic and metal surfaces, exhausting inside the building to general ventilation, GV2-1 through GV2-3.

(e) Plant 10, identified as EU10, constructed in 1973, consisting of:
One (1) general assembly operation, with a maximum capacity of two and one half (2.5) chassis per hour, applying sealants, caulks and cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation GV17-1 and GV17-2.

(f) Plant 11, identified as EU11, constructed in 1973, reconstructed in 1999, consisting of:
(1) One (1) general assembly operation, with a maximum capacity of nine and one half (9.5) truck bodies per hour, applying sealants, caulks and cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation, GV3-1 and GV3-2, and

(2) One (1) final inspection area, with a maximum capacity of nine and one half (9.5) truck bodies per hour, applying cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation, GV7-1.

(3) One (1) bonded door assembly area, with a maximum capacity of 100 door assemblies per day, applying coatings to metal surfaces, and exhausting to general ventilation, GV3-1 to 2.

(g) Plants 12 & 32, identified as EU12 and EU32, consisting of:
(1) One (1) service and repair operation, with a maximum capacity of one half (0.5) trucks per hour, constructed in 1975, exhausting inside the building to general ventilation, GV18-1, and

(2) One (1) painting operation, with a maximum capacity of one half (0.5) trucks per hour, constructed in 1986, using dry filters as control, and exhausting through general ventilation, GV18-2.

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

(h) Plant 16, identified as EU16, constructed in 1973, consisting of:

(1) One (1) general assembly operation, with a maximum capacity of two and one half (2.5) chassis per hour, applying sealants, caulks and cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation GV14-1 and GV14-2, and

(2) One (1) general assembly operation, with a maximum capacity of five and one fourth (5.25) truck bodies and parcel delivery vans (PDV) per hour, applying cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation GV14-1 through GV14-4.

(i) Plant 18, identified as EU18, constructed in 1975, consisting of:

(1) One (1) general assembly operation, with a maximum capacity of four (4) truck bodies per hour, applying sealants, caulks and cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation, GV16-1 through GV16-7, and

(2) One (1) undercoating booth, with a maximum capacity of thirteen and one half (13.5) chassis per hour, using dry filters as control, and exhausting through general ventilation, GV16-1 through GV16-7.

Under NESHAP MMMM the above listed coating units are considered existing affected sources because the construction of the source commenced prior to January 2, 2004 and the source is not reconstructed.

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

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

E.1.1 General Provisions Relating to NESHAP MMMM [40 CFR Part 63, Subpart A]

Pursuant to 40 CFR 63.3901, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, as specified in Table 2 of 40 CFR Part 63, Subpart MMMM in accordance with schedule in 40 CFR 63 Subpart MMMM.

E.1.2 NESHAP Subpart MMMM Requirements [40 CFR Part 63, Subpart MMMM]

Pursuant to CFR Part 63, Subpart MMMM, the Permittee shall comply with the provisions of 40 CFR Part 63.3880, as specified as follows:

What This Subpart Covers

§ 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.

(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 Sec. 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.

(e) 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.

(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) through (ii) of this section. However, you may not establish high performance, rubber-to-metal, and extreme performance fluoropolymer coating operations as the predominant activity.

(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 Sec. 63.3910(b). You must also determine predominant activity annually and include the determination in the next semi-annual compliance report required by Sec. 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 Sec. 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 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.

§ 63.3882 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.

§ 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:

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

Where:
V_s = Volume fraction of coating solids, liters (gal) coating solids per liter (gal) coating.
$m_{volatiles}$ = 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:

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

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.

$$H_e = A + B + C - R_w \qquad (Eq.\ 1)$$

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:

$$A = \sum_{i=1}^{m} (Vol_{c,i})(D_{c,i})(W_{c,i}) \qquad (Eq.\ 1A)$$

Where:
A = Total mass of organic HAP in the coatings 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, 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:

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

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:

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

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:

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

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:

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

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	MMMM 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 MMMM 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 MMMM 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 MMMM 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 MMMM does not require the use of continuous emissions monitoring systems.
§ 63.8(g)(1)-(5).....	Data Reduction.....	No.....	Sections § 63.3967 and § 63.3968 specify monitoring data reduction.

Citation	Subject	Applicable to subpart	MMMM 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 MMMM does not have opacity or visible emissions standards.
§ 63.9(g)(1)-(3).....	Additional Notifications When Using CMS.	No.....	Subpart MMMM 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 MMMM 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.....	
§ 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).

Citation	Subject	Applicable to subpart	MMMM Explanation
§ 63.10(d)(3).....	Reporting Opacity or Visible Emissions Observations.	No.....	Subpart MMMM 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 MMMM 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 MMMMM does not specify requirements for opacity or COMS.
§ 63.10(f).....	Recordkeeping/Reporting Waiver.	Yes.....	
§ 63.11.....	Control Device Requirements/Flares.	No.....	Subpart MMMM 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 MMMM

(a) The Permittee submitted Initial Notification on December 29, 2004 [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 FACILITY OPERATION CONDITIONS

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

(a) Plant 14, identified as EU14, consisting of:

(1) Two (2) surface coating operations, identified as Line #1 and Line #2, each constructed in 1986, with maximum capacities of six and one half (6.5) truck bodies per hour and five (5) steel racks per hour, respectively, using dry filters as control, and exhausting through general ventilation PB11-1 to 7 and SB11-8, respectively.

Under NESHAP PPPP EU14 is considered an existing affected source because the construction of the source commenced prior to December 4, 2002 and the source is not reconstructed.

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

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

E.2.1 General Provisions Relating to NESHAP Subpart PPPP [40 CFR Part 63, Subpart A]

Pursuant to 40 CFR 63.4501, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart A – General Provisions, as specified in Table 2 of 40 CFR Part 63, Subpart PPPP in accordance with schedule in 40 CFR 63, Subpart PPPP.

E.2.2 NESHAP Subpart PPPP 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.

(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 Sec. 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 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 Sec. 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.

(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 useof 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 Sec. 63.4510(b). You must also determine predominant activity annually and include the determination in the next semi-annual compliance report required by Sec. 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 Sec. 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 Sec. 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 Sec. 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.

(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.

(4) For each existing assembled on-road vehicle coating affected source, limit organic HAP emissions to no more than 1.34 kg (1.34 lb) organic HAP emitted per kg (lb) coating solids used during each 12-month compliance period.

(c) If your facility's surface coating operations meet the applicability criteria of more than one of the subcategory emission limits specified in paragraphs (a) or (b) of this section, you may comply separately with each subcategory emission limit or comply using one of the alternatives in paragraph (c)(1) or (2) of this section.

§ 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:

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

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.

$$H_e = A + B + C - R_w \qquad (Eq.\ 1)$$

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:

$$A = \sum_{i=1}^{m} \left(Vol_{c,i}\right)\left(D_{c,i}\right)\left(W_{c,i}\right) \qquad (Eq.\ 1A)$$

Where:

A = Total mass of organic HAP in the coatings 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, 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:

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

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:

$$C = \sum_{k=1}^{p} \left(Vol_{s,k}\right)\left(\mathrm{D_{sk}}\right)\left(W_{s,k}\right) \qquad (Eq.\ 1C)$$

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:

$$M_{st} = \sum_{i=1}^{m} \left(\mathrm{Vol}_{c,i}\right)\left(\mathrm{D}_{c,i}\right)\left(\mathrm{M}_{s,i}\right) \qquad (Eq.\ 2)$$

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:

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

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.

Citation	Subject	Applicable to Subpart PPPP	Explanation
§ 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 speci fied 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 63.4483 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.
§ 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.

Citation	Subject	Applicable to Subpart PPPP	Explanation
§ 63.7(a)(2).....	Performance Test Requirements-Dates.	Yes.....	Applies only to performance tests for capture system and control device efficiency at sources using these to comply with the standard. Section 63.4560 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.
§ 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 CMS operations and maintenance 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.

Citation	Subject	Applicable to Subpart PPPP	Explanation
§ 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.
§ 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 emission 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 §63.3920(a)(7).
§ 63.10(c) (9)-(15)	.....	Yes...	

Citation	Subject	Applicable to Subpart PPPP	Explanation
§ 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).
§ 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.

Solvent/solvent blend	CAS. No.	Average organic HAP mass fraction	Typical Organic HAP, percent by mass
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 PPPP

(a) Permittee submitted Initial Notification on April 19, 2005 [40 CFR 63.4510(b)].

(d) 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(c)].

(d) 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

PART 70 OPERATING PERMIT
CERTIFICATION

Source Name: Utilimaster Corporation
Source Address: 65906 State Road 19, Wakarusa, IN 46573
Mailing Address: P.O. Box 585, Wakarusa, IN 46573
Part 70 Permit No.: T039-19587-00530

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

Please check what document is being certified:

☐ Annual Compliance Certification Letter

☐ Test Result (specify)

☐ Report (specify)

☐ Notification (specify)

☐ Affidavit (specify)

☐ Other (specify)

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

Signature:

Printed Name:

Title/Position:

Phone:

Date:

INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
OFFICE OF AIR QUALITY

COMPLIANCE BRANCH
100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Utilimaster Corporation
Source Address: 65906 State Road 19, Wakarusa, IN 46573
Mailing Address: P.O. Box 585, Wakarusa, IN 46573
Part 70 Permit No.: T039-19587-00530

This form consists of 2 pages **Page 1 of 2**

☐ This is an emergency as defined in 326 IAC 2-7-1(12)

X 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

X The Permittee must submit notice in writing or by facsimile within two (**2**) working days (Facsimile Number: 317-233-6865), and follow the other requirements of 326 IAC 2-7-16.

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

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

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

Page 2 of 2

Date/Time Emergency started:
Date/Time Emergency was corrected:
Was the facility being properly operated at the time of the emergency? Y N
Type of Pollutants Emitted: TSP, PM-10, SO_2, VOC, NO_X, CO, Pb, other:
Estimated amount of pollutant(s) emitted during emergency:
Describe the steps taken to mitigate the problem:
Describe the corrective actions/response steps taken:
Describe the measures taken to minimize emissions:
If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value:

Form Completed by:

Title / Position:

Date:

Phone:

A certification is not required for this report.

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

Part 70 Quarterly Report

Source Name: Utilimaster Corporation
Source Address: 65906 State Road 19, Wakarusa, IN 46573
Mailing Address: P.O. Box 585, Wakarusa, IN 46573
Part 70 Permit No.: T039-19587-00530
Facility: Plants EU3, EU6, EU8, EU10, EU12 & 32, EU14, EU16 and EU18
Parameter: Total VOC Usage
Limit: Less than 250 tons per 12 consecutive month period with compliance determined at the end of each month

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	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

Part 70 Quarterly Report

Source Name: Utilimaster Corporation
Source Address: 65906 State Road 19, Wakarusa, IN 46573
Mailing Address: P.O. Box 585, Wakarusa, IN 46573
Part 70 Permit No.: T039-19587-00530
Facility: Paint booth (PB003) and touch-up booth (TB004)
Parameter: Total VOC Usage
Limit: VOC emissions less than 40 tons per twelve (12) consecutive month period with compliance determined at the end of the month.

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	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

Part 70 Quarterly Report

Source Name: Utilimaster Corporation
Source Address: 65906 State Road 19, Wakarusa, IN 46573
Mailing Address: P.O. Box 585, Wakarusa, IN 46573
Part 70 Permit No.: T039-19587-00530
Facility: Plants EU4, EU5 Painting Booth, EU7, EU11
Parameter: Total VOC Usage
Limit: Less than 40 tons per 12 consecutive month period with compliance determined at the end of the month

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	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

Part 70 Quarterly Report

Source Name: Utilimaster Corporation
Source Address: 65906 State Road 19, Wakarusa, IN 46573
Mailing Address: P.O. Box 585, Wakarusa, IN 46573
Part 70 Permit No.: T039-19587-00530
Facility: Undercoating Booth (Plant 5)
Parameter: VOC Usage
Limit: Less than 25 tons per 12 consecutive month period with compliance determined at the end of each month

YEAR:

Month	Column 1	Column 2	Column 1 + Column 2
	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

PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Utilimaster Corporation
Source Address: 65906 State Road 19, Wakarusa, IN 46573
Mailing Address: P.O. Box 585, Wakarusa, IN 46573
Part 70 Permit No.: T039-19587-00530

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

This report shall be submitted quarterly based on a calendar year. Any deviation from the requirements, the date(s) of each deviation, the probable cause of the deviation, and the response steps taken must be reported. A deviation required to be reported pursuant to an applicable requirement that exists independent of the permit, shall be reported according to the schedule stated in the applicable requirement and does not need to be included in this report. Additional pages may be attached if necessary. If no deviations occurred, please specify in the box marked "No deviations occurred this reporting period".

☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

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

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

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

Form Completed By:

Title/Position:

Date:

Phone:

Attach a signed certification to complete this report.

Indiana Department of Environmental Management
Office of Air Quality

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

Source Background and Description

Source Name:	**Utilimaster Corporation**
Source Location:	**65906 State Road 19, Wakarusa, Indiana 46573**
County:	**Elkhart**
SIC Code:	**3713**
Operation Permit No.:	**T039-7087-00530**
Operation Permit Issuance Date:	**June 12, 2000**
Permit Renewal No.:	**T039-19587-00530**
Permit Reviewer:	**Alic Bent/EVP**

The Office of Air Quality (OAQ) has reviewed a Part 70 Operating Permit Renewal application from Utilimaster Corporation relating to the operation of a stationary commercial vehicle assembly plant.

Permitted Emission Units and Pollution Control Equipment

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

(a) Plant 3, identified as EU3, constructed in 1973, consisting of:
One (1) final inspection area, with a maximum capacity of six and one half (6.5) truck bodies per hour, applying cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation GV9-1.

(b) Plant 5, identified as EU5, consisting of:
(1) One (1) painting operation, with a maximum capacity of three and three fourths (3.75) chassis per hour, constructed in 1999, using dry filters as control, and exhausting through general ventilation, SV8-1 and SV8-2, and

(2) One (1) undercoating booth, with a maximum capacity of two (2) trucks per hour, constructed in 2004, using dry filters for particulate overspray control, and exhausting through general ventilation.

(c) Plant 6, identified as EU6, constructed in 1973, consisting of:
One (1) final inspection operation with a maximum capacity of (7.5) trucks per hour, applying cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation, GV1-1 through GV1-5.

(d) Plant 8, identified as EU8, constructed in 1973, consisting of:
One (1) general assembly operation, with a maximum capacity of three (3) chassis per hour, applying sealants, adhesives, paints and caulks to plastic and metal surfaces, exhausting inside the building to general ventilation, GV2-1 through GV2-3.

(e) Plant 10, identified as EU10, constructed in 1973, consisting of:
One (1) general assembly operation, with a maximum capacity of two and one half (2.5) chassis per hour, applying sealants, caulks and cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation GV17-1 and GV17-2.

(f) Plant 11, identified as EU11, constructed in 1973, reconstructed in 1999, consisting of:

(1) One (1) general assembly operation, with a maximum capacity of nine and one half (9.5) truck bodies per hour, applying sealants, caulks and cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation, GV3-1 and GV3-2, and

(2) One (1) final inspection area, with a maximum capacity of nine and one half (9.5) truck bodies per hour, applying cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation, GV7-1.

(g) Plants 12 & 32, identified as EU12 and EU32, consisting of:

(1) One (1) service and repair operation, with a maximum capacity of one half (0.5) trucks per hour, constructed in 1975, exhausting inside the building to general ventilation, GV18-1, and

(2) One (1) painting operation, with a maximum capacity of one half (0.5) trucks per hour, constructed in 1986, using dry filters as control, and exhausting through general ventilation, GV18-2.

(h) Plant 14, identified as EU14, consisting of:

(1) Two (2) surface coating operations, identified as Line #1 and Line #2, each constructed in 1986, with maximum capacities of six and one half (6.5) truck bodies per hour and five (5) steel racks per hour, respectively, using dry filters as control, and exhausting through general ventilation PB11-1 through PB11-7 and SB11-8, respectively, and

(2) Paint Line #3, installed in 2000, consisting of:
one (1) paint booth, identified as PB003, using an air atomization spray system, coating a maximum of four (4.0) aluminum truck bodies per hour, using dry filters for particulate matter control and exhausting to stacks 1 and 2.

(i) Plant 16, identified as EU16, constructed in 1973, consisting of:

(1) One (1) general assembly operation, with a maximum capacity of two and one half (2.5) chassis per hour, applying sealants, caulks and cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation GV14-1 and GV14-2, and

(2) One (1) general assembly operation, with a maximum capacity of five and one fourth (5.25) truck bodies and parcel delivery vans (PDV) per hour, applying cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation GV14-1 through GV14-4.

(j) Plant 18, identified as EU18, constructed in 1975, consisting of:

(1) One (1) general assembly operation, with a maximum capacity of four (4) truck bodies per hour, applying sealants, caulks and cleaner/solvents to plastic and metal surfaces, exhausting inside the building to general ventilation, GV16-1 through GV16-7, and

(2) One (1) undercoating booth, with a maximum capacity of thirteen and one half (13.5) chassis per hour, using dry filters as control, and exhausting through general ventilation, GV16-1 through GV16-7.

Under NESHAP MMMM the above listed coating units are considered existing affected sources because the construction of the source commenced prior to January 2, 2004 and the source is not reconstructed.

Under NESHAP PPPP EU14 is considered an existing affected source because the construction of the source commenced prior to December 4, 2002 and the source is not reconstructed.

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) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6, degreasing in Plant 8, Plant 10, Plant 15, Plant 16, Plant 18, constructed in 1995, 1986, 1973, 1973, 1973, respectively. [326 IAC 8-3-2] [326 IAC 8-3-5]

(b) Plant 4 welding operation, constructed in 1999.

(c) Plant 7 steel welding operation and aluminum welding operation, constructed in 1999.

(d) Plant 10 woodworking operation, constructed in 1973. [326 IAC 6-3]

(e) Plant 17 steel welding operation and aluminum welding operation, constructed in 1973.

(f) Plant 12 & 32 woodworking operation, constructed in 1975, with a maximum capacity of two hundred (200) pounds of wood per hour, using a baghouse DC18-4, as control, and exhausting to general ventilation inside the building. [326 IAC 6-3]

(g) Plant 18, constructed in 1975, consisting of:
  (1) One (1) bonded door assembly area, with a maximum capacity of 180 door assemblies per day, applying coatings to metal surfaces, and exhausting inside the building to general ventilation, GV16-1 through GV16-7,

  (2) One (1) lamination process, with a maximum capacity of 720 square feet per day and exhausting inside the building to general ventilation, GV16-1 through GV16-7,

  (3) three (3) storage tanks, EU16-D (diesel fuel), EU16-G (gasoline), EU17-G (gasoline), each with storage capacities of less than 10,500 gallons, and

  (4) one (1) woodworking operation, with a maximum capacity of two hundred (200) pounds of wood per hour, using a baghouse DC16, as control, and exhausting to general ventilation inside the building. [326 IAC 6-3]

(h) Steel and aluminum welding operations in Plants 10, 16, and 18, constructed in 1973.

(i) One gasoline storage tank outside Plant 11 with storage capacity of less than 10,500 gallons, constructed in 1973.

(j) Plant 14 touch-up paint booth, identified as TB004, constructed in 2000, using an air atomization spray system, coating a maximum of four (4.0) aluminum truck bodies per hour, using dry filters for particulate matter control and exhausting to stack 4. [326 IAC 6-3-2(d)]

(k) Touch-up painting activity in Plant 6, constructed in 1973, using less than 500 gallons per year, using no controls, and exhausting to the indoors.

(l) Plant 11 bonded door assembly area, constructed in 1999, with a maximum capacity of 100 door assemblies per day, applying coatings to metal surfaces, and exhausting inside the building to general ventilation, GV3-1 and GV3-2.

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

(1) one (1) natural gas fired curing oven, identified as C003, with a maximum heat input rate of 1.5 MMBtu per hour, exhausting to stack 3,

(2) two (2) natural gas fired paint booth air make-up units, identified as 001 and 002, each with a maximum heat input rate of 1.5 MMBtu per hour, exhausting to stacks 1 and 2, and

(3) one hundred and thirty seven (137) natural gas-fired space heaters, with a combined heat input rate of 95.3 MMBtu per hour.

Existing Approvals

The source has constructed or has been operating under the following previous approvals:

(a) Part 70 Permit T039-7087-00530, issued on June 12, 2000;

(b) First Significant Permit Modification 039-12572-00530, issued on April 19, 2001;

(c) First Minor Source Modification 039-19251-00530, issued on July 27, 2004; and

(d) Second Significant Permit Modification 039-19269-00530, issued on November 16, 2004.

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

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

A.2 Part 70 Source Definition [326 IAC 2-7-1(22)]

This commercial vehicle assembly plant consists of various plants at two (2) addresses:

(a) The Ward Street source is located at 21 Ward Street, Wakarusa, Indiana 46573; and

(b) The State Road 19 source is located at 65906 State Road 19, Wakarusa, Indiana 46573.

The operations at these two (2) addresses, which are located 1.2 miles apart, are linked. The Ward Street source is a support facility for the State Road 19 source (one hundred percent (100%) of the vehicles assembled at the Ward Street location are sent to the State Road location for painting, finishing, and distribution). Although, the two plants are not contiguous they still meet the definition of a single source since they belong to the same industrial grouping, the products manufactured at the Ward Street source are transferred to the State Road location, and are owned by one (1) company.

Reason not incorporated: The facilities listed in the permit that are on Ward Street were leased facilities. The Permittee has not been in them for over two years and no longer has a lease on them. There are no future plans to lease them again.

Enforcement Issue

There are no enforcement actions pending.

Emission Calculations

See Appendix A: pages 1 through 21 of this document for detailed emission calculations.

County Attainment Status

The source is located in Elkhart County.

Pollutant	Status
PM-10	Attainment
PM-2.5	Attainment
SO_2	Attainment
NO_2	Attainment
8-hour Ozone	Basic Nonattainment
CO	Attainment
Lead	Attainment

(a) Volatile organic compounds (VOC) and Nitrogen Oxides (NOx) 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 NOx emissions are considered when evaluating the rule applicability relating to the ozone standards. Elkhart County has been designated as nonattainment for the 8-hour ozone standard. Therefore, VOC and NOx emissions were reviewed pursuant to the requirements for Emission Offset, 326 IAC 2-3. See the State Rule Applicability for the source section.

(b) Elkhart County has been classified as unclassifiable or attainment for PM2.5. 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 PM2.5 emissions, it has directed states to regulate PM10 emissions as surrogate for PM2.5 emissions. See the State Rule Applicability for the source section.

(c) Elkhart County has been classified as attainment or unclassifiable in Indiana for all other 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 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	748.8
PM-10	748.9
SO_2	Negligible
VOC	3,148.8
CO	1.7
NO_x	2.00

HAPs	tons/year
Xylene	90.03
Toluene	777.64
MIBK	139.79
Methanol	100.06
Ethylbenzene	101.65
Total	1,209.17

(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 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.

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
PM-10	0
SO_2	0
VOC	52
CO	1
NO_x	1
HAP	No data

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

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

	Potential to Emit (tons/year)						
Process/emission unit	PM	PM-10	SO_2	VOC	CO	NO_X	HAPs
Plants EU3, EU6, EU8, EU10, EU12 & 32, EU14, EU16 and EU18 (All before 1980 except EU14 which was constructed in 1986)	31.03	31.03	0.00	< 250 (1)	0.00	0.00	Single HAP (Toluene) > 10 Total HAPs > 25
Plants EU4, EU5, EU7 and EU11 (1999)	0.12	0.12	0.00	< 40 (1)	0.00	0.00	Single HAP (Toluene) > 10 Total HAPs > 25
Paint Booth (PB003) and Touch-up Booth (TB004) (2000)	1.68	1.68	0.00	< 40 (1)	0.00	0.00	Single HAP (Xylene) – 3.99 Total HAPS – 3.99
EU5 undercoating (2004)	1.84	1.84	0.00	< 25 (1)	0.00	0.00	0.00
Woodworking (Plants 10, 18 and 12 & 32)	3.85 (2)	3.85	0.00	0.00	0.00	0.00	0.00
Insignificant Activities	1.80	1.91	0.01	0.11	1.66	1.97	0.16
Total PTE	40.32	40.43	0.01	> 250	1.66	1.97	Single HAP (Toluene) > 10 Total HAPs > 25

* Insignificant Activities include natural gas combustion and welding operations.
(1) Limits to avoid 326 IAC 2-2 (PSD) requirements.
(2) Limit based on 326 IAC 6-3.

(a) This existing stationary source is major for PSD because the emissions of at least one attainment pollutant are greater than two hundred fifty (>250) tons per year, and is not one of the twenty-eight (28) listed source categories.

(b) This existing stationary source is major for Emission Offset because the emissions of the nonattainment pollutant, VOC, are greater than one hundred (>100) tons per year.

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

Federal Rule Applicability

(a) The requirements of the New Source Performance Standard, 326 IAC 12, (40 CFR Part 60.112b , Subpart Kb) are not included in the permit for the three (3) storage tanks, EU16-D (diesel fuel), EU16-G (gasoline), EU17-G (gasoline), Plant 11 gasoline storage tank, and Plant 57 diesel and gasoline storage tanks. This rule does not apply to storage vessels with a capacity less than 39,890 gallons. The three (3) storage tanks, EU16-D (diesel fuel), EU16-G (gasoline), EU17-G (gasoline), Plant 11 gasoline storage tank, and Plant 57 diesel and gasoline storage tanks have a storage capacity less than 39,890 gallons, each. Therefore, the requirements of 40 CFR 60.112b, Subpart Kb are not included in the permit.

(b) 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 involved:

Emission Unit / Pollutant	Control Device Used	Emission Limit-ation (Y/N)	Uncontrolled PTE (tons/year)	Controlled PTE (tons/year)	Major Source Threshold (tons/year)	CAM Applicable (Y/N)	Large Unit (Y/N)
Plant 3 - VOC	None	Y	23.95	23.95	100	N	N
Plant 3 - HAP	None	Y	Single HAP >10 Total HAPs < 25	Single HAP > 10 Total HAPs < 25	Single HAP - 10 Total HAPs - 25	N	N
Plant 5 paint booth - VOC	None	N	6.55	6.55	100	N	N
Plant 5 paint booth - PM10	Dry filter	Y	2.79	0.14	100	N	N
Plant 5 paint booth - HAP	None	Y	Single HAP < 10 Total HAPs < 10	Single HAP < 10 Total HAPs < 10	Single HAP - 10 Total HAPs - 25	N	N
Plant 5 undercoating booth) -VOC	None	Y	41.56	41.56	100	N	N
Plant 5 undercoating booth) - PM10	Dry filter	Y	36.83	1.84	100	N	N
Plants 6 & 8 - VOC	None	Y	238.01	238.01	100	N	N
Plants 6 & 8 - HAP	None		Single HAP > 10 Total HAPs > 25	Single HAP > 10 Total HAPs > 25	Single HAP - 10 Total HAPs - 25	N	N
Plant 10 - VOC	None	Y	88.66	88.66	100	N	N
Plant 10 - HAP	None	Y	Single HAP > 10 Total HAPs > 25	Single HAP > 10 Total HAPs > 25	Single HAP - 10 Total HAPs - 25	N	N
Plant 11 - VOC	None	Y	683.96	683.96	100	N	N
Plant 11 -HAP	None	Y	Single HAP > 10 Total HAPs > 25	Single HAP > 10 Total HAPs > 25	Single HAP - 10 Total HAPs - 25	N	N
Plants 12 & 32 - VOC	None	Y	29.17	29.17	100	N	N
Plants 12 & 32 - PM10	Dry filter	Y	6.92	0.35	100	N	N
Plants 12 & 32 - HAP	None	Y	Single HAP > 10 Total HAPs < 25	Single HAP > 10 Total HAPs < 25	Single HAP - 10 Total HAPs - 25	N	N
Plant 14 - VOC	None	Y	1739.99	1739.99	100	N	N
Plant 14 - PM10	Dry filter	Y	340.10	17.01	100	Y	N
Plant 14 - HAP	None	Y	Single HAP > 10 Total HAPs > 25	Single HAP > 10 Total HAPs > 25	Single HAP - 10 Total HAPs - 25	N	N
Plant 16 - VOC	None	Y	179.99	179.99	100	N	N
Plant 16 - HAP	None	Y	Single HAP > 10 Total HAPs > 25	Single HAP > 10 Total HAPs > 25	Single HAP - 10 Total HAPs - 25	N	N
Plant 18 - VOC	None	Y	47.61	47.61	100	N	N
Plant 18 - HAP	None	Y	Single HAP < 10 Total HAPs < 25	Single HAP < 10 Total HAPs < 25	Single HAP - 10 Total HAPs - 25	N	N
Plant 18 – PM10	Dry filter	Y	273.58	13.68	100	Y	N
Woodworking	Baghouse		53.09	0.531	100	N	N

Based on this evaluation, the requirements of 40 CFR Part 64, CAM are applicable to Plant 14 and Plant 18 booths for PM10. A CAM plan has been submitted and the Compliance Determination and Monitoring Requirements section includes a detailed description of the CAM requirements.

(c) This source is subject to the National Emission Standards for Hazardous Air Pollutants, 40 CFR 63.3880, Subpart MMMM because the source is a major source of HAPs and the 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 MMMM) are included in the permit.

Pursuant to 40 CFR 63.3882, this source is an existing affected source because the construction of the source commenced prior to August 13, 2002 and the source is not reconstructed. The specific affected facilities include:

Plants EU3, EU5, EU6, EU8, EU10, EU11, EU12 & 32, EU16 and EU18.

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

(1) 40 CFR 63.3881 (a)(1), (2), (3), & (5), (b), and (e);

(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) and (9);

(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.

(d) 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 Plant 14 painting operation at the source is coating fully assembled on-road vehicles comprised of both plastic and metal, as defined in 40 CFR 63.4481(a)(5). The assembled on-road vehicle coating subcategory does not include the use of adhesives, sealants, and caulks used in assembling on-road vehicles. 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.

Pursuant to 40 CFR 63.4482, this source is an existing affected source because the construction of the source commenced prior to December 4, 2002 and the source is not reconstructed. The specific affected facilities include:

(1) Plant 14, identified as EU14, consisting of:
  (A) Two (2) surface coating operations, identified as Line #1 and Line #2, installed in the 1980s and 1990s, respectively, with maximum capacities of six and one half (6.5) truck bodies per hour and five (5) steel racks per hour, respectively, using dry filters as control, and exhausting to general ventilation PB11-1 to 7 and SB11-8, respectively.

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 (a)(1), (2), & (5), (b), and (e);

(2) 40 CFR 63.4482 (a), (b), and (e);

(3) 40 CFR 63.4483 (b);

(4) 40 CFR 63.4490 (b)(1) & (4), and (c);

(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), and (9);

(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.

(e) This source is not subject to the requirements of the National Emission Standards for Hazardous Air Pollutants (NESHAPs)(40 CFR Part 63, Subpart IIII), Surface Coating of Automobiles and Light Duty Trucks, because the source does not meet the definition of an automobile or light duty truck surface coating operation. This source operates a commercial vehicle assembly plant with gross vehicle weight rating of greater than 8,500 pounds. Therefore, Subpart IIII does not apply.

(f) There are no National Emission Standards for Hazardous Air Pollutants (NESHAPs)(326 IAC 14 and 40 CFR Part 63) applicable to this source. The degreasing performed at this source does not use chlorinated solvents, therefore, 40 CFR Part 63, Subpart T, does not apply.

State Rule Applicability – Entire Source

326 IAC 2-2 (Prevention of Significant Deterioration)

This source is not subject to the requirements of this rule. This source was originally constructed prior to the August 7, 1977 applicability date, was a minor source when first built and is not one of the 28 listed source categories. The PM and PM10 emissions were limited to less than 250 tons per year each, by controlling the EU5, EU12, EU32, EU14, PB003 and TB004 surface coating operations and the EU5 and EU18 undercoating operations overspray with dry filters and water wash systems, and controlling the woodworking facilities with baghouses. The source became a major source for purposes of determining the applicability of this rule to future modifications in 1999, with VOC emissions remaining at greater than 250 tons per year, since Plants EU4, EU5 painting operation, EU7, and EU11 were constructed. The source has made the following modifications:

(a) Pursuant to T039-7087-00530, issued on June 12, 2000, the entire source shall limit PM and PM10 emissions to less than 250 tons per twelve (12) consecutive month period. The requirement for control on EU5, EU12, EU32, EU14, PB003 and TB004 surface coating operations and the EU5 and EU18 undercoating operations per 326 IAC 6-3-2(d) ensures source-wide potential to emit of PM and PM10 less than 250 tons per year.

(b) Pursuant to T039-7087-00530, issued on June 12, 2000, the facilities identified as Plants EU3, EU6, EU8, EU10, EU12 & EU32, EU16 and EU18, all constructed before 1980, and Plant EU14, constructed in 1986, shall limit combined VOC usage to less than 250 tons, including coatings, dilution solvents, and cleaning solvents, per 12 consecutive month period, with compliance determined at the end of each month.

(c) Pursuant to T039-7087-00530, issued on June 12, 2000, the facilities identified as Plants EU4, EU5 painting operation, EU7, and EU11, all constructed in 1999, shall limit combined VOC usage to less than 40 tons, including coatings, dilution solvents, and cleaning solvents, per 12 consecutive month period, with compliance determined at the end of each month. Therefore, the construction of these units was a minor modification to a major PSD source.

(d) Pursuant to SSM 039-11906-00530, issued on May 22, 2000, Plant 14 Paint booth PB003 and touch-up booth TB004, constructed in 2000, shall limit combined VOC usage to less than 40 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Therefore, the construction of these units was a minor modification to a major PSD source.

(e) Pursuant to MSM 039-19251-00530, issued on July 27, 2004, Plant EU5 undercoating operation, constructed in 2004, shall limit VOC usage to less than 25 tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Therefore, the construction of this unit was a minor modification to a major PSD source.

326 IAC 2-3 (Emission Offset)

Elkhart County was designated as nonattainment for the 8-hour ozone standard on June 15, 2004. VOC and NO_X emissions are considered when evaluating the rule applicability relating to the 8-hour ozone standard. The source wide potential to emit of VOC is greater than 100 tons per year and the source wide potential to emit of NO_X is 1.93 tons per year. Therefore, the source is classified as major for the purpose of Emission Offset for VOC. There have been no major modifications to the source after June 15, 2004.

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

Pursuant to 326 IAC 2-4.1 (New Source Toxics Control), any new process or production unit, which in and of itself emits or has the potential to emit (PTE) 10 tons per year of any HAP or 25 tons per year of any combination of HAPs, must be controlled using technologies consistent with Maximum Achievable Control Technology (MACT). The source has PTE single HAP and total HAPs greater than 10 and 25 tons per year, respectively. However, this source is subject to the National Emissions Standards for Hazardous Air Pollutants 40 CFR Part 63, Subpart MMMM and Subpart PPPP. Pursuant to 326 IAC 2-4.1-1(b)(2), the source is not subject to the requirements of 326 IAC 2-4.1.

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(b)(1), an emission statement must be submitted triennially by July 1 beginning in 2007 and every 3 years after. 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 6-4 (Fugitive Dust Emissions)

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).

State Rule Applicability – Individual Facilities

326 IAC 6-2 (Particulate Emission Limitations for Sources of Indirect Heating)

The natural gas fired curing oven, air make-up unit and space heaters are not included under the "combustion for indirect heating" definition pursuant to 326 IAC 1-2-19. Therefore, they are not subject to 326 IAC 6-2.

326 IAC 6-3-2(d) (Particulate)

(a) Pursuant to 326 IAC 6-3-2(d), particulate from the EU5, EU12, EU32, EU14, PB003 and TB004 surface coating operations and the EU5 and EU18 undercoating operations shall be controlled by dry particulate filters, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

(b) Pursuant to 326 IAC 6-3-1(b)(7), Plants EU8, EU10, EU11, EU16 and EU18 general assembly operation, Plant 18 bonded door assembly area, Plant 18 lamination process, and Plants EU3, EU6 and EU11 final inspection area are exempt from 326 IAC 6-3-2(d) because the units perform surface coating using flow coating.

(c) Pursuant to 326 IAC 6-3-1(b)(15), the touch-up painting activity in Plant 6 is exempt from 326 IAC 6-3-2(d) because the touch-up painting activity uses less than five (5) gallons of coating per day.

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

(a) The allowable particulate emission rate from Plant 18, identified as EU18, woodworking operations shall not exceed 0.88 pounds per hour when operating at a process weight rate of 200 pounds of wood per hour. The pounds per hour limitation was calculated using the following equation:

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

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

$E = 4.10\ (0.1)^{0.67} = 0.88$ pounds per hour

The baghouse shall be in operation at all times the Plant 18 woodworking processes are in operation, in order to comply with this limit.

(b) The allowable particulate emission rate from Plant 12 & 32, identified as EU12 and EU32 woodworking operations shall not exceed 0.88 pounds per hour when operating at a process weight rate of 200 pounds of wood per hour. The pounds per hour limitation was calculated using the following equation:

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

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

$E = 4.10\ (0.1)^{0.67} = 0.88$ pounds per hour

The baghouse shall be in operation at all times the Plant 12 & 32 woodworking processes are in operation, in order to comply with this limit.

(c) Plant 10 woodworking operation handles less than 100 pounds of material per hour. Pursuant to 326 IAC 6-3-2(e)(2), allowable particulate emissions from this process shall not exceed 0.551 pounds per hour.

(d) Pursuant to 326 IAC 6-3-1(b)(9), the welding operations in Plants 4, 7, 10, 16, 17 and 18 are each exempt from 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes) because less than 625 pounds of wire is consumed per day.

326 IAC 8-1-6 (Best Available Control Technology (BACT))

This rule applies to facilities located anywhere in the state that were constructed on or after January 1, 1980, and which have potential volatile organic compound (VOC) emissions of 25 tons per year or more and are not otherwise regulated by other provisions of article 8.

(a) Paint Booth EU14, was constructed after January 1, 1980 and is subject to the requirements of 326 IAC 8-1-6 for coating non-metallic materials because the VOC emissions from this booth is greater than 25 tons per year. Pursuant to Construction Permit PC (20) 1830, issued on June 17, 1986, 326 IAC 8-1-6 (BACT) has been determined to be:

(1) the use of high-solids top coat for the State Road 19 vehicle body top coat paint booth EU14 when engaged in customized top coating.

(2) the State Road 19 vehicle body customized top coating shall be limited to less than 35 vehicles per day.

(b) The PB003, EU5, EU12, EU14 (metal coating) and EU32 which were constructed after 1980, are subject to the 326 IAC 8-2-9 rules. Therefore, 326 IAC 8-1-6 does not apply.

(c) The EU3, EU6, EU8, EU10, EU11, EU16, EU18 were constructed before 1980. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

(d) The potential to emit VOC from the one (1) touch-up paint booth, identified as TB004, is less than 25 tons per year. Therefore, the requirements of 326 IAC 8-1-6 are not applicable.

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

In order that the requirements of 326 IAC 8-2-2 do not apply, vehicles coated at the State Road 19 site shall either:

(a) be rated at greater than 8500 pounds per vehicle; or

(b) be manufactured truck bodies for sale separately or on purchased chassis rated at less than 8500 pounds per vehicle.

This source operates a commercial vehicle assembly plant with gross vehicle weight rating of greater than 8,500 pounds. Therefore, the requirements of 326 IAC 8-2-2 do not apply.

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

Plants EU8, EU10, EU11, EU16 and EU18 general assembly operation and Plants EU3, EU6, EU11, EU12 and EU32 final inspection area were constructed before 1980. Therefore, the requirements of 326 IAC 8-2-9 do not apply to these facilities.

The potential to emit VOC from the one (1) touch-up paint booth, identified as TB004, is less than fifteen (15) pounds per day. Therefore, the requirements of 326 IAC 8-2-9 are not applicable.

Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the volatile organic compound (VOC) content of the coating delivered to the applicator:

(a) at the State Road 19 site, vehicle body prime paint booth designated as EU5 was constructed after 1990 and has actual emissions of greater than fifteen (15) pounds per day before add-on controls. Therefore, VOC emissions shall be limited to 3.5 pounds of VOCs per gallon of coating less water, for forced warm air dried coatings.

(b) at the State Road 19 site, the EU5 undercoating booth was constructed after 1990 and has actual emissions of greater than fifteen (15) pounds per day before add-on controls. Therefore, VOC emissions shall be limited to 3.5 pounds of VOCs per gallon of coating less water, for forced warm air dried coatings.

(c) at the State Road 19 site, vehicle body prime paint booths designated as EU12 and EU32 were constructed after 1980 and each has potential emissions of greater than 25 tons per year. Therefore, VOC emissions shall be limited to 3.5 pounds of VOCs per gallon of coating less water, for forced warm air dried coatings.

(d) at the State Road 19 site, the eight (8) paint booths identified as EU14 (Line #1), shall be limited to 3.5 pounds of VOC per gallon of coating less water, for air dried coatings when coating metallic materials.

(e) at the State Road 19 site, the EU14 vehicle body non-customized top coat paint booth (Line #2), shall be limited to 4.3 pounds of VOCs per gallon of coating less water.

(f) the paint booth (PB003) was constructed after 1990 and has actual emissions of greater than fifteen (15) pounds per day before add-on controls. Therefore, VOC emissions shall be limited to 3.5 pounds of VOCs per gallon of coating less water, for forced warm air dried coatings.

Pursuant to 326 IAC 8-2-9(f), 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.

The source will be in compliance with the rule by using compliant coatings, based on the MSDS submitted by the source and calculations made, at the coating booths.

326 IAC 8-3-2 (Cold Cleaner Operation)

This rule applies to existing facilities as of January 1, 1980, performing organic solvent degreasing operations located in Clark, Elkhart, Floyd, Lake, Marion, Porter, and St. Joseph Counties and which are located at sources which have potential emissions of one hundred (100) tons or more of VOC, and new facilities after January 1, 1980, performing organic solvent degreasing operations located anywhere in the state.

(a) Plants 8 and 10 degreasers were installed after January 1, 1980 and are therefore subject to this rule.

(b) Plant 15, Plant 16 and Plant 18 degreasers were existing facilities as of January 1, 1980, the source is located in Elkhart County, a specifically listed county, and the source has potential emissions of one hundred (100) tons or more of VOC. Therefore Plant 15, Plant 16 and Plant 18 degreasers are subject to 326 IAC 8-3-2.

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), for cold cleaning operations existing as of January 1, 1980, located in Clark, Elkhart, Floyd, Lake, Marion, Porter and St. Joseph Counties and which have potential emissions of one hundred (100) tons per year or greater of VOC, and for cold cleaning operations constructed after January 1, 1980, the Permittee shall:

(a) Equip the cleaner with a cover;

(b) Equip the cleaner with a facility for draining cleaned parts;

(c) Close the degreaser cover whenever parts are not being handled in the cleaner;

(d) Drain cleaned parts for at least fifteen (15) seconds or until dripping ceases;

(e) Provide a permanent, conspicuous label summarizing the operation requirements;

(f) Store waste solvent only in covered containers and not dispose of waste solvent or transfer it to another party, in such a manner that greater than twenty percent (20%) of the waste solvent (by weight) can evaporate into the atmosphere.

326 IAC 8-3-5 (Cold Cleaner Degreaser Operation)

This rule applies to existing facilities as of July 1, 1990, performing organic solvent degreasing operations located in Clark, Elkhart, Floyd, Lake, Marion, Porter, and St. Joseph Counties, and new facilities after July 1, 1990, performing organic solvent degreasing operations located anywhere in the state.

(a) Plant 8 degreaser was installed after July 1, 1990 and is therefore subject to this rule.

(b) Plant 10, Plant 15, Plant 16 and Plant 18 degreasers were existing facilities as of July 1, 1990 and the source is located in Elkhart County, a specifically listed county. Therefore Plant 10, Plant 15, Plant 16 and Plant 18 degreasers are subject to 326 IAC 8-3-5.

Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), for cold cleaner degreaser operations without remote solvent reservoirs existing as of July 1, 1990, located in Clark, Elkhart, Floyd, Lake, Marion, Porter or St. Joseph Counties, and for cold cleaner degreaser operations without remote solvent reservoirs constructed after July 1, 1990, the Permittee shall ensure that the following control equipment requirements are met:

(a) Equip the degreaser with a cover. The cover must be designed so that it can be easily operated with one (1) hand if:

(1) The solvent volatility is greater than two (2) kiloPascals (fifteen (15) millimeters of mercury or three-tenths (0.3) pounds per square inch) measured at thirty-eight degrees Celsius ($38^{O}C$) (one hundred degrees Fahrenheit ($100^{O}F$));

(2) The solvent is agitated; or

(3) The solvent is heated.

(b) Equip the degreaser with a facility for draining cleaned articles. If the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius ($38^{O}C$) (one hundred degrees Fahrenheit ($100^{O}F$)), then the drainage facility must be internal such that articles are enclosed under the cover while draining. The drainage facility may be external for applications where an internal type cannot fit into the cleaning system.

(c) Provide a permanent, conspicuous label which lists the operating requirements outlined in subsection (b).

(d) The solvent spray, if used, must be a solid, fluid stream and shall be applied at a pressure which does not cause excessive splashing.

(e) Equip the degreaser with one (1) of the following control devices if the solvent volatility is greater than four and three-tenths (4.3) kiloPascals (thirty-two (32) millimeters of mercury or six-tenths (0.6) pounds per square inch) measured at thirty-eight degrees Celsius ($38^{O}C$) (one hundred degrees Fahrenheit ($100^{O}F$)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius ($48.9^{O}C$) (one hundred twenty degrees Fahrenheit ($120^{O}F$)):

(1) A freeboard that attains a freeboard ratio of seventy-five hundredths (0.75) or greater.

(2) A water cover when solvent is used is insoluble in, and heavier than, water.

(3) Other systems of demonstrated equivalent control such as a refrigerated chiller of carbon adsorption. Such systems shall be submitted to the U.S. EPA as a SIP revision.

Pursuant to 326 IAC 8-3-5(b) (Cold Cleaner Degreaser Operation and Control), the owner or operator of a cold cleaning facility, shall ensure that the following operating requirements are met:

(a) Close the cover whenever articles are not being handled in the degreaser.

(b) Drain cleaned articles for at least fifteen (15) seconds or until dripping ceases.

(c) Store waste solvent only in covered containers and prohibit the disposal or transfer of waste solvent in any manner in which greater than twenty percent (20%) of the waste solvent by weight could evaporate.

Testing Requirements

Testing of this facility is not required by this permit.

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 9, 2004.

There was no notice of completeness letter mailed to the Permittee.

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 approporiate corrective actions within a specific time period.

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

1. The Plants EU5, EU12, EU32 and EU14 surface coating booths, EU14 touch-up booth (TB004) and the Plants EU5 and EU18 undercoating booths have applicable compliance monitoring conditions as specified below:

    (a) The dry filters for particulate matter overspray control shall be properly in place and maintained to ensure integrity and particulate loading of the filters at all times when the paint booths are in operation.

    (b) The Permittee shall implement an operator training program with the following requirements:

        (1) All operators that perform painting operations or booth maintenance shall be trained in the proper set-up and operation of the particulate control system. All existing operators shall be trained within sixty (60) days of permit issuance. All new operators shall be trained upon hiring.

        (2) Training shall include proper filter alignment, filter inspection and maintenance, and trouble shooting practices. The training program shall be in writing and retained on site. Copies of the training program, the list of trained operators, and training records shall be maintained on site or available within one (1) hour for inspection by IDEM.

        (3) All operators shall be given refresher training annually.

    (c) Records shall be maintained of any non-routine maintenance activities performed on the particulate emission control devices which have air flow greater than four thousand cubic feet per minute (4000 cfm).

    These monitoring conditions are necessary because the dry filters for Plants EU5, EU12, EU32 and EU14 surface coating booths, EU14 touch-up booth (TB004) and Plants EU5 and EU18 undercoating booths must operate properly to ensure compliance with 326 IAC 6-3-2(d) (Particulate Emission Limitations for Manufacturing Processes) and 326 IAC 2-7 (Part 70). The dry filters for Plant EU14 surface coating booth and Plant EU18 undercoating booth must operate properly to ensure compliance with 40 CFR Part 64 (CAM).

2. Plants 12 & 32, Plant 10 and Plant 18, woodworking operations have low allowable emissions. Therefore, there are no compliance monitoring conditions included in this permit for the woodworking operation baghouses.

Conclusion

The operation of this commercial vehicle assembly plant shall be subject to the conditions of this Part 70 permit T039-19587-00530.

Appendix A: Emission Calculations

Company Name: Utilimaster Corporation
Address City IN Zip: 65906 State Road 19, Wakarusa, IN 46573
Permit No.: T039-19587-00530
Reviewer: AB/ EVP

Uncontrolled Potential Emissions (tons/year)

	Emissions Generating Activity							
Pollutant	Natural Gas Combustion	Plants 10, 18, 12 & 32 Woodworking Operations	Plants 4, 7, 10, 16, 17 and 18 Welding Operations	Plants 3, 6, 8, 10, 12, 32, 14, 16 and 18 Surface Coating	Plants 4, 5, 7 and 11 Surface Coating	Paint Booth PB003 Touch-up booth TB004	Plant 5 Undercoating	**TOTAL**
PM	0.04	53.09	1.76	620.60	2.8	33.7	36.8	748.8
PM10	0.15	53.09	1.76	620.60	2.8	33.7	36.8	748.9
SO2	0.01	0.00	0.00	0.00	0.0	0.0	0.0	0.0
NOx	1.97	0.00	0.00	0.00	0.0	0.0	0.0	2.0
VOC	0.11	0.00	0.00	2,351.61	690.5	65.0	41.6	3,148.8
CO	1.66	0.00	0.00	0.00	0.0	0.0	0.0	1.7
total HAPs	neg.	0.00	0.16	> 25	> 25	4.0	0.0	> 25
worst case single HAP	neg.	0.00	0.16	> 10	> 10	4.0	0.0	> 10

Total emissions based on rated capacity at 8,760 hours/year.

Allowable and Limited Potential Emissions (tons/year)

	Emissions Generating Activity							
Pollutant	Natural Gas Combustion	Plants 10, 18, 12 & 32 Woodworking Operations *	Plants 4, 7, 10, 16, 17 and 18 Welding Operations	Plants 3, 6, 8, 10, 12, 32, 14, 16 and 18 Surface Coating	Plants 4, 5, 7 and 11 Surface Coating	Paint Booth PB003 Touch-up booth TB004	Plant 5 Undercoating	**TOTAL**
PM	0.04	3.85	1.76	31.03	0.1	1.68	1.8	40.32
PM10	0.15	3.85	1.76	31.03	0.1	1.68	1.8	40.43
SO2	0.01	0.00	0.00	0.00	0.0	0.0	0.0	0.01
NOx	1.97	0.00	0.00	0.00	0.0	0.0	0.0	1.97
VOC	0.11	0.00	0.00	< 250	< 40	< 40	< 25	> 250
CO	1.66	0.00	0.00	0.00	0.0	0.0	0.0	1.66
total HAPs	neg.	0.00	0.16	> 25	> 25	6.0	0.0	> 25
worst case single HAP	neg.	0.00	0.16	> 10	> 10	4.0	0.0	> 10

Total emissions based on rated capacity at 8,760 hours/year, after control.

* Based on 326 IAC 6-3 allowable emissions.

Appendix A: Emissions Calculations
VOC and Particulate
From Surface Coating Operations
Company Name: Utilimaster Corporation
Address City IN Zip: 65906 State Road 19, Wakarusa, IN 46573
Permit Number: T039-19587-00530
Reviewer: AB/ EVP

Plant 3 - Final Inspection Area

Material	Density (Lb/Gal)	Weight % Volatile (H20 & 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
Clean/Solvent																
Thinner	7.0	100.00%	0.0%	100.0%	0.0%	0.00%	0.12000	6.500	7.01	7.01	5.47	131.23	23.95	0.00	#DIV/0!	100%
											5.47	**131.23**	**23.95**	**0.00**		

Plant 5 - Paint & Undercoating Booths

Material	Density (Lb/Gal)	Weight % Volatile (H20 & 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 Booth																
Paint Topcoat Enamel	11.5	25.00%	0.0%	25.0%	0.0%	75.00%	0.03900	3.750	2.88	2.88	0.42	10.09	1.84	1.38	3.83	75%
Activator	9.2	36.00%	0.0%	36.0%	0.0%	64.00%	0.01300	3.750	3.31	3.31	0.16	3.88	0.71	0.31	5.18	75%
Accelerator	8.5	15.00%	0.0%	15.0%	0.0%	85.00%	0.01300	3.750	1.28	1.28	0.06	1.49	0.27	0.39	1.50	75%
Reducer Enamel	7.5	100.00%	0.0%	100.0%	0.0%	0.00%	0.01300	3.750	7.50	7.50	0.37	8.78	1.60	0.00	#DIV/0!	75%
Primer	14.2	17.89%	0.0%	17.9%	0.0%	82.11%	0.00400	3.750	2.54	2.54	0.04	0.91	0.17	0.19	3.09	75%
Primer Epoxy & Epoxy	10.4	47.21%	0.0%	47.2%	0.0%	52.79%	0.02300	3.750	4.91	4.91	0.42	10.16	1.85	0.52	9.30	75%
Lacquer Thinner	7.0	100.00%	0.0%	100.0%	0.0%	0.00%	0.00100	3.750	7.00	7.00	0.03	0.63	0.11	0.00	#DIV/0!	75%
Undercoating Booth																
Z Guard 8000	11.5	22.00%	0.0%	22.0%	0.0%	62.00%	1.25000	3.000	2.53	2.53	9.49	227.70	41.56	36.83	4.08	75%
											9.49	**227.70**	**48.11**	**39.62**		

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

Appendix A: Emissions Calculations
VOC and Particulate
From Surface Coating Operations
Company Name: Utilimaster Corporation
Address City IN Zip: 65906 State Road 19, Wakarusa, IN 46573
Permit Number: T039-19587-00530
Reviewer: AB/ EVP

Plants 6 & 8 - General Assembly & Final Inspection

Material	Density (Lb/Gal)	Weight % Volatile (H20 & 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
Adhesives																
Adhesive Silkaflex 201	10.0	5.99%	0.0%	6.0%	0.0%	94.01%	0.00050	3.000	0.60	0.60	0.00	0.02	0.00	0.00	0.64	100%
Adhesive Silkaflex 221	9.9	6.00%	0.0%	6.0%	0.0%	94.00%	0.30000	3.000	0.59	0.59	0.53	12.83	2.34	0.00	0.63	100%
DAP Carpenter Glue #494	9.2	5.00%	0.0%	5.0%	0.0%	95.00%	0.00000	3.000	0.46	0.46	0.00	0.00	0.00	0.00	0.48	100%
Spray Staput	10.0	95.00%	0.0%	95.0%	0.0%	5.00%	0.00000	3.000	9.50	9.50	0.00	0.00	0.00	0.00	190.00	100%
PARR/5941 Construction Adh.	10.0	30.00%	0.0%	30.0%	0.0%	70.00%	0.00000	3.000	3.00	3.00	0.00	0.00	0.00	0.00	4.29	100%
Adhesive Silkaflex 252	9.7	9.77%	0.0%	9.8%	0.0%	90.23%	0.00950	3.000	0.95	0.95	0.03	0.65	0.12	0.00	1.05	100%
Hot Glue melt	7.8	0.00%	0.0%	0.0%	0.0%	100.00%	0.08300	3.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100%
Caulks and Sealants																
Filler Bondo w/ Hardener	10.0	20.00%	0.0%	20.0%	0.0%	80.00%	0.00130	3.000	2.00	2.00	0.01	0.19	0.03	0.00	2.50	100%
Sealant Liquid Rubber	9.4	31.00%	0.0%	31.0%	0.0%	69.00%	0.00080	3.000	2.92	2.92	0.01	0.17	0.03	0.00	4.23	100%
Sealant Manus Bond	22.5	12.00%	0.0%	12.0%	0.0%	88.00%	0.10420	3.000	2.70	2.70	0.84	20.26	3.70	0.00	3.07	100%
Sealant Trimshield 600	8.9	100.00%	0.0%	100.0%	0.0%	0.00%	0.05370	3.000	8.90	8.90	1.43	34.41	6.28	0.00	#DIV/0!	100%
Sealant Silaprene Gry	10.0	50.00%	0.0%	50.0%	0.0%	50.00%	0.20000	3.000	5.00	5.00	3.00	72.00	13.14	0.00	10.00	100%
Sealant Silaprene Wht	9.0	50.00%	0.0%	50.0%	0.0%	50.00%	1.16670	3.000	4.50	4.50	15.75	378.01	68.99	0.00	9.00	100%
Sealant, Metal	8.3	40.00%	0.0%	40.0%	0.0%	60.00%	0.20000	3.000	3.34	3.34	2.00	48.04	8.77	0.00	5.56	100%
Sealant Silicone Wht	12.5	5.00%	0.0%	5.0%	0.0%	95.00%	0.00010	3.000	0.63	0.63	0.00	0.00	0.00	0.00	0.66	100%
Sealant Vulkem 616	8.7	10.00%	0.0%	10.0%	0.0%	90.00%	0.85000	3.000	0.87	0.87	2.22	53.24	9.72	0.00	0.97	100%
Sealant Vulkem 626	10.0	14.00%	0.0%	14.0%	0.0%	86.00%	0.12670	3.000	1.40	1.40	0.53	12.77	2.33	0.00	1.63	100%
Paints																
Paint Black H/S	13.5	26.20%	0.0%	26.2%	0.0%	73.80%	0.01420	3.000	3.54	3.54	0.15	3.62	0.66	0.00	4.79	100%
Paint Water Based	8.8	7.00%	0.0%	7.0%	0.0%	93.00%	0.00000	3.000	0.61	0.61	0.00	0.00	0.00	0.00	0.66	100%
Paint Spray Broma	8.3	83.00%	0.0%	83.0%	0.0%	17.00%	0.00000	3.000	6.89	6.89	0.00	0.00	0.00	0.00	40.52	100%
Cleaners & Solvents																
Cleaner Precleaner	6.3	100.00%	0.0%	100.0%	0.0%	0.00%	0.26700	3.000	6.25	6.25	5.01	120.15	21.93	0.00	#DIV/0!	
Thinner	7.0	100.00%	0.0%	100.0%	0.0%	0.00%	0.85000	3.000	7.01	7.01	17.88	429.01	78.29	0.00	#DIV/0!	
Acetone	6.6	100.00%	0.0%	100.0%	0.0%	0.00%	0.25000	3.000	6.60	6.60	4.95	118.80	21.68	0.00	#DIV/0!	

State Potential Emissions **Add worst case coating to all solvents** **54.34** **1304.17** **238.01** **0.00**

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

Appendix A: Emissions Calculations
VOC and Particulate
From Surface Coating Operations
Company Name: Utilimaster Corporation
Address City IN Zip: 65906 State Road 19, Wakarusa, IN 46573
Permit Number: T039-19587-00530
Reviewer: AB/ EVP

Plant 10 - General Assembly Operation

Material	Density (Lb/Gal)	Weight % Volatile (H20 & 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
Adhesives																
Adhesive Silkaflex 201	10.0	5.99%	0.0%	6.0%	0.0%	94.01%	0.00060	2.500	0.60	0.60	0.00	0.02	0.00	0.00	0.64	100%
Adhesive Silkaflex 221	9.9	6.00%	0.0%	6.0%	0.0%	94.00%	0.30000	2.500	0.59	0.59	0.45	10.69	1.95	0.00	0.63	100%
Adhesive Silkaflex 252	9.7	9.77%	0.0%	9.8%	0.0%	90.23%	0.01000	2.500	0.95	0.95	0.02	0.57	0.10	0.00	1.05	100%
Hot Glue melt	7.8	0.00%	0.0%	0.0%	0.0%	100.00%	0.08300	2.500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100%
Caulks and Sealants																
Filler Bondo w/ Hardener	10.0	20.00%	0.0%	20.0%	0.0%	80.00%	0.00120	2.500	2.00	2.00	0.01	0.14	0.03	0.00	2.50	100%
Sealant Liquid Rubber	9.4	31.00%	0.0%	31.0%	0.0%	69.00%	0.00080	2.500	2.92	2.92	0.01	0.14	0.03	0.00	4.23	100%
Sealant Manus Bond	22.5	12.00%	0.0%	12.0%	0.0%	88.00%	0.10420	2.500	2.70	2.70	0.70	16.88	3.08	0.00	3.07	100%
Sealant Trimshield 600	8.9	100.00%	0.0%	100.0%	0.0%	0.00%	0.05370	2.500	8.90	8.90	1.19	28.68	5.23	0.00	#DIV/0!	100%
Sealant Silaprene Gry	10.0	50.00%	0.0%	50.0%	0.0%	50.00%	0.20000	2.500	5.00	5.00	2.50	60.00	10.95	0.00	10.00	100%
Sealant Silaprene Wht	9.0	50.00%	0.0%	50.0%	0.0%	50.00%	1.16670	2.500	4.50	4.50	13.13	315.01	57.49	0.00	9.00	100%
Sealant, Metal	8.3	40.00%	0.0%	40.0%	0.0%	60.00%	0.20000	2.500	3.34	3.34	1.67	40.03	7.31	0.00	5.56	100%
Sealant Silicone Wht	12.5	5.00%	0.0%	5.0%	0.0%	95.00%	0.00010	2.500	0.63	0.63						
Sealant Vulkem 616	8.7	10.00%	0.0%	10.0%	0.0%	90.00%	0.85000	2.500	0.87	0.87						
Sealant Vulkem 626	10.0	14.00%	0.0%	14.0%	0.0%	86.00%	0.12670	2.500	1.40	1.40	0.44	10.64	1.94	0.00	1.63	100%
Paints																
Paint Black H/S	13.5	26.20%	0.0%	26.2%	0.0%	73.80%	0.01420	2.500	3.54	3.54	0.13	3.01	0.55	0.00	4.79	100%

State Potential Emissions **Add worst case coating to all solvents** **20.24** **485.82** **88.66** **0.00**

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

Appendix A: Emissions Calculations
VOC and Particulate
From Surface Coating Operations
Company Name: Utilimaster Corporation
Address City IN Zip: 65906 State Road 19, Wakarusa, IN 46573
Permit Number: T039-19587-00530
Reviewer: AB/ EVP

Plant 11 - General Assembly Operation

Material	Density (Lb/Gal)	Weight % Volatile (H20 & 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
Adhesives																
Adhesive Silkaflex 201	10.0	5.99%	0.0%	6.0%	0.0%	94.01%	0.00060	9.500	0.60	0.60	0.00	0.08	0.01	0.00	0.64	100%
Adhesive Silkaflex 221	9.9	6.00%	0.0%	6.0%	0.0%	94.00%	0.30000	9.500	0.59	0.59	1.69	40.63	7.41	0.00	0.63	100%
Adhesive Silkaflex 252	9.7	9.77%	0.0%	9.8%	0.0%	90.23%	0.01000	9.500	0.95	0.95	0.09	2.16	0.39	0.00	1.05	100%
Hot Glue melt	7.8	0.00%	0.0%	0.0%	0.0%	100.00%	0.08300	9.500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100%
Caulks and Sealants																
Filler Bondo w/ Hardener	10.0	20.00%	0.0%	20.0%	0.0%	80.00%	0.00120	9.500	2.00	2.00	0.02	0.55	0.10	0.00	2.50	100%
Sealant Liquid Rubber	9.4	31.00%	0.0%	31.0%	0.0%	69.00%	0.00080	9.500	2.92	2.92	0.02	0.53	0.10	0.00	4.23	100%
Sealant Manus Bond	22.5	12.00%	0.0%	12.0%	0.0%	88.00%	0.10420	9.500	2.70	2.70	2.67	64.15	11.71	0.00	3.07	100%
Sealant Trimshield 600	8.9	100.00%	0.0%	100.0%	0.0%	0.00%	0.05370	9.500	8.90	8.90	4.54	108.97	19.89	0.00	#DIV/0!	100%
Sealant Silaprene Gry	10.0	50.00%	0.0%	50.0%	0.0%	50.00%	0.20000	9.500	5.00	5.00	9.50	228.00	41.61	0.00	10.00	100%
Sealant Silaprene Wht	9.0	50.00%	0.0%	50.0%	0.0%	50.00%	1.16670	9.500	4.50	4.50	49.88	1197.03	218.46	0.00	9.00	100%
Sealant, Metal	8.3	40.00%	0.0%	40.0%	0.0%	60.00%	0.20000	9.500	3.34	3.34	6.34	152.12	27.76	0.00	5.56	100%
Sealant Silicone Wht	12.5	5.00%	0.0%	5.0%	0.0%	95.00%	0.00010	9.500	0.63	0.63	0.00	0.01	0.00	0.00	0.66	100%
Sealant Vulkem 616	8.7	10.00%	0.0%	10.0%	0.0%	90.00%	0.85000	9.500	0.87	0.87	7.03	168.61	30.77	0.00	0.97	100%
Sealant Vulkem 626	10.0	14.00%	0.0%	14.0%	0.0%	86.00%	0.12670	9.500	1.40	1.40	1.69	40.44	7.38	0.00	1.63	100%
Paints																
Paint Black H/S	13.5	26.20%	0.0%	26.2%	0.0%	73.80%	0.01420	9.500	3.54	3.54	0.48	11.45	2.09	0.00	4.79	100%
Cleaners & Solvents																
Cleaner Precleaner	6.3	100.00%	0.0%	100.0%	0.0%	0.00%	0.20670	9.500	6.25	6.25	12.27	294.55	53.75	0.00	#DIV/0!	
Thinner	7.0	100.00%	0.0%	100.0%	0.0%	0.00%	0.90000	9.500	7.01	7.01	59.94	1438.45	262.52	0.00	#DIV/0!	

State Potential Emissions **Add worst case coating to all solvents** **156.16** **3747.74** **683.96** **0.00**

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

Appendix A: Emissions Calculations
VOC and Particulate
From Surface Coating Operations
Company Name: Utilimaster Corporation
Address City IN Zip: 65906 State Road 19, Wakarusa, IN 46573
Permit Number: T039-19587-00530
Reviewer: AB/ EVP

Plant 14 - Paint Booths

Material	Density (Lb/Gal)	Weight % Volatile (H20 & 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
Paints																
Accelerator	8.5	15.00%	0.0%	15.0%	0.0%	85.00%	0.02300	9.500	1.28	1.28	0.28	6.69	1.22	1.73	1.50	75%
Accelerator/Imron 5000	8.2	95.00%	0.0%	95.0%	0.0%	5.00%	0.00340	9.500	7.74	7.74	0.25	6.00	1.10	0.01	154.85	75%
Activator	9.2	36.00%	0.0%	36.0%	0.0%	64.00%	0.45000	9.500	3.31	3.31	14.16	339.81	62.02	27.56	5.18	75%
Blender Chroma	7.2	96.34%	0.0%	96.3%	0.0%	3.66%	0.00350	9.500	6.90	6.90	0.23	5.50	1.00	0.01	188.47	75%
Catalyst Delta Enhancer	8.1	98.30%	0.0%	98.3%	0.0%	1.70%	0.05000	9.500	8.00	8.00	3.80	91.22	16.65	0.07	470.68	75%
Hardener Urethane	8.5	46.00%	0.0%	46.0%	0.0%	54.00%	0.00940	9.500	3.89	3.89	0.35	8.33	1.52	0.45	7.20	75%
Clearcoat DCD35	8.2	39.70%	0.0%	39.7%	0.0%	60.30%	0.00250	9.500	3.27	3.27	0.08	1.86	0.34	0.13	5.43	75%
Fisheye Smoothie	7.6	75.00%	0.0%	75.0%	0.0%	25.00%	0.00250	9.500	5.73	5.73	0.14	3.27	0.60	0.05	22.92	75%
Flattening Agent	8.2	99.00%	0.0%	99.0%	0.0%	1.00%	0.00010	9.500	8.10	8.10	0.01	0.18	0.03	0.00	809.82	75%
Hardener DU4	8.2	54.57%	0.0%	54.6%	0.0%	45.43%	0.00700	9.500	4.46	4.46	0.30	7.12	1.30	0.27	9.83	75%
Hardener DU6	8.1	45.06%	0.0%	45.1%	0.0%	54.94%	0.17500	9.500	3.65	3.65	6.08	145.81	26.61	8.11	6.65	75%
Hardener DP402	7.5	85.50%	0.0%	85.5%	0.0%	14.50%	0.00800	9.500	6.41	6.41	0.49	11.70	2.13	0.09	44.22	75%
Hardener Catalyst DP401	7.5	85.50%	0.0%	85.5%	0.0%	14.50%	0.00080	9.500	6.41	6.41	0.05	1.17	0.21	0.01	44.22	75%
Hardener H.S.	8.9	25.00%	0.0%	25.0%	0.0%	75.00%	0.17500	9.500	2.21	2.21	3.68	88.28	16.11	12.08	2.95	75%
Paint Black Lacquer	7.8	65.00%	0.0%	65.0%	0.0%	35.00%	0.02000	9.500	5.05	5.05	0.96	23.03	4.20	0.57	14.43	75%
Paint Black Steel	8.8	15.00%	0.0%	15.0%	0.0%	85.00%	0.09300	9.500	1.32	1.32	1.17	28.05	5.12	7.25	1.56	75%
Paint Topcoat Enamel	11.5	25.00%	0.0%	25.0%	0.0%	75.00%	0.37700	9.500	2.88	2.88	10.30	247.12	45.10	33.83	3.83	75%
Paint Gray Nonskid	9.9	50.00%	0.0%	50.0%	0.0%	50.00%	0.00240	9.500	4.95	4.95	0.11	2.71	0.49	0.12	9.90	75%
Paint HS Imron	13.3	70.00%	0.0%	70.0%	0.0%	30.00%	1.30000	9.500	9.31	9.31	114.98	2759.48	503.61	53.96	31.03	75%
Paint Mix	11.5	27.50%	0.0%	27.5%	0.0%	72.50%	0.08000	9.500	3.16	3.16	2.40	57.68	10.53	6.94	4.36	75%
Paint Patriot	10.7	30.70%	0.0%	30.7%	0.0%	69.30%	0.22000	9.500	3.28	3.28	6.85	164.46	30.01	16.94	4.73	75%
Primer	14.2	17.89%	0.0%	17.9%	0.0%	82.11%	1.00000	9.500	2.53	2.53	24.05	577.17	105.33	120.86	3.08	75%
Primer Epoxy & Epoxy	10.4	47.21%	0.0%	47.2%	0.0%	52.79%	0.00650	9.500	4.91	4.91	0.30	7.28	1.33	0.37	9.30	75%
Reducer DAX609	8.3	97.50%	0.0%	97.5%	0.0%	2.50%	0.00120	9.500	8.04	8.04	0.09	2.20	0.40	0.01	321.75	
Reducer DT1885	6.8	100.00%	0.0%	100.0%	0.0%	0.00%	0.10000	9.500	6.75	6.75	6.41	153.90	28.09	0.00	#DIV/0!	
Reducer DT1895	7.0	100.00%	0.0%	100.0%	0.0%	0.00%	0.02500	9.500	7.00	7.00	1.66	39.90	7.28	0.00	#DIV/0!	
Reducer Basecoat	7.2	100.00%	0.0%	100.0%	0.0%	0.00%	0.04000	9.500	7.17	7.17	2.72	65.39	11.93	0.00	#DIV/0!	
Reducer Enamel	7.5	100.00%	0.0%	100.0%	0.0%	0.00%	0.00040	9.500	7.50	7.50	0.03	0.68	0.12	0.00	#DIV/0!	
Reducer (Factory)	7.3	100.00%	0.0%	100.0%	0.0%	0.00%	0.02500	9.500	7.30	7.30	1.73	41.61	7.59	0.00	#DIV/0!	
Reducer LOC HISOLIDS	7.5	61.50%	0.0%	61.5%	0.0%	0.00%	0.04000	9.500	4.62	4.62	1.76	42.12	7.69	4.81	#DIV/0!	
Reducer Normal Temp. DT860	6.6	37.50%	0.0%	37.5%	0.0%	62.50%	0.00650	9.500	2.47	2.47	0.15	3.66	0.67	1.11	3.95	
Reducer Normal Temp. DT870	7.0	100.00%	0.0%	100.0%	0.0%	0.00%	0.00300	9.500	7.00	7.00	0.20	4.79	0.87	0.00	#DIV/0!	
Cleaners & Solvents																
Cleaner Precleaner	6.3	100.00%	0.0%	100.0%	0.0%	0.00%	0.05700	9.500	6.25	6.25	3.38	81.23	14.82	0.00	#DIV/0!	
Solvent PS400	7.3	100.00%	0.0%	100.0%	0.0%	0.00%	0.00500	9.500	7.28	7.28	0.35	8.30	1.51	0.00	#DIV/0!	
Solvent Anti-Stat	7.0	100.00%	0.0%	100.0%	0.0%	0.00%	0.00040	9.500	6.99	6.99	0.03	0.64	0.12	0.00	#DIV/0!	
Lacquer Thinner	7.0	100.00%	0.0%	100.0%	0.0%	0.00%	1.50000	9.500	7.01	7.01	99.89	2397.42	437.53	0.00	#DIV/0!	
Waste	7.5	90.00%	0.0%	90.0%	0.0%	10.00%	1.37000	9.500	6.75	6.75	87.85	2108.43	384.79	42.75	67.50	

State Potential Emissions **Add worst case coating to all solvents** **397.26** **9534.21** **1739.99** **340.10**

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

Appendix A: Emissions Calculations
VOC and Particulate
From Surface Coating Operations
Company Name: Utilimaster Corporation
Address City IN Zip: 65906 State Road 19, Wakarusa, IN 46573
Permit Number: T039-19587-00530
Reviewer: AB/ EVP

Plants 12 & 32 - Paint Booths

Material	Density (Lb/Gal)	Weight % Volatile (H20 & 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
Adhesives																
Adhesive Silkaflex 221	9.9	6.00%	0.0%	6.0%	0.0%	94.00%	0.08750	0.500	0.59	0.59	0.03	0.62	0.11	0.45	0.63	75%
Caulks and Sealants																
Sealant Manus Bond AM	22.5	12.00%	0.0%	12.0%	0.0%	88.00%	0.02750	0.500	2.70	2.70	0.04	0.89	0.16	0.30	3.07	75%
Sealant Silaprene Gry	10.0	50.00%	0.0%	50.0%	0.0%	50.00%	0.06250	0.500	5.00	5.00	0.16	3.75	0.68	0.17	10.00	75%
Sealant Silaprene Wht	9.0	50.00%	0.0%	50.0%	0.0%	50.00%	0.37500	0.500	4.50	4.50	0.84	20.25	3.70	0.92	9.00	75%
Sealant, Metal	8.3	40.00%	0.0%	40.0%	0.0%	60.00%	0.06250	0.500	3.34	3.34	0.10	2.50	0.46	0.17	5.56	75%
Sealant Vulkem 616	8.7	10.00%	0.0%	10.0%	0.0%	90.00%	0.30000	0.500	0.87	0.87	0.13	3.13	0.57	1.29	0.97	75%
Sealant Vulkem 626	10.0	14.00%	0.0%	14.0%	0.0%	86.00%	0.25000	0.500	1.40	1.40	0.18	4.20	0.77	1.18	1.63	75%
Paints																
Paint Black H/S	13.5	26.20%	0.0%	26.2%	0.0%	73.80%	0.41250	0.500	3.54	3.54	0.73	17.51	3.20	2.25	4.79	75%
Additive Paint Supercharger	8.0	97.50%	0.0%	97.5%	0.0%	2.50%	0.00080	0.500	7.81	7.81	0.00	0.07	0.01	0.00	312.39	75%
Clearcoat CC-630	7.7	60.00%	0.0%	60.0%	0.0%	40.00%	0.00260	0.500	4.62	4.62	0.01	0.14	0.03	0.00	11.55	75%
Hardener	8.2	54.57%	0.0%	54.6%	0.0%	45.43%	0.00620	0.500	4.46	4.46	0.01	0.33	0.06	0.01	9.83	75%
Hardener SW Urethane	8.0	58.00%	0.0%	58.0%	0.0%	42.00%	0.00630	0.500	4.65	4.65	0.01	0.35	0.06	0.01	11.06	75%
Paint DCU2020	8.2	55.00%	0.0%	55.0%	0.0%	45.00%	0.01400	0.500	4.50	4.50	0.03	0.76	0.14	0.03	10.00	75%
Paint D.I.U. Basecoat	9.5	61.50%	0.0%	61.5%	0.0%	38.50%	0.00100	0.500	5.84	5.84	0.00	0.07	0.01	0.00	15.18	75%
Paint Mix DUHS	11.5	27.50%	0.0%	27.5%	0.0%	72.50%	0.01140	0.500	3.16	3.16	0.02	0.43	0.08	0.05	4.36	75%
Paint Ultra One Non-Lead	9.5	60.00%	0.0%	60.0%	0.0%	40.00%	0.03750	0.500	5.70	5.70	0.11	2.57	0.47	0.08	14.25	75%
Reducer Reactive	7.4	100.00%	0.0%	100.0%	0.0%	0.00%	0.00960	0.500	7.42	7.42	0.04	0.85	0.16	0.00	#DIV/0!	75%
Reducer Ultra 7000 Clearcoat	7.2	100.00%	0.0%	100.0%	0.0%	0.00%	0.00180	0.500	7.21	7.21	0.01	0.16	0.03	0.00	#DIV/0!	75%
Reducer Warm Temp.	7.2	97.50%	0.0%	97.5%	0.0%	2.50%	0.01010	0.500	7.03	7.03	0.04	0.85	0.16	0.00	281.19	75%
Toluene	7.3	100.00%	0.0%	100.0%	0.0%	0.00%	0.00290	0.500	7.25	7.25	0.01	0.25	0.05	0.00	#DIV/0!	75%
Ultra 7000 Basecoat Colorant	8.5	69.00%	0.0%	69.0%	0.0%	31.00%	0.00270	0.500	5.87	5.87	0.01	0.19	0.03	0.00	18.92	75%
Ultra 7000 Basecoat Stabilizer	7.3	97.40%	0.0%	97.4%	0.0%	2.60%	0.00230	0.500	7.11	7.11	0.01	0.20	0.04	0.00	273.47	75%
Ultra 7000 Basecoat Hardener	8.7	31.00%	0.0%	31.0%	0.0%	69.00%	0.00120	0.500	2.70	2.70	0.00	0.04	0.01	0.00	3.91	75%
Ultra 7000 Basecoat Reducer	7.2	99.00%	0.0%	99.0%	0.0%	1.00%	0.00050	0.500	7.15	7.15	0.00	0.04	0.01	0.00	714.78	75%
Cleaners & Solvents																
Cleaner Aquasafe	8.8	100.00%	0.0%	100.0%	0.0%	0.00%	0.26700	0.500	8.79	8.79	1.17	28.16	5.14	0.00	#DIV/0!	
Lacquer Thinner	7.0	100.00%	0.0%	100.0%	0.0%	0.00%	0.85000	0.500	7.01	7.01	2.98	71.50	13.05	0.00	#DIV/0!	

State Potential Emissions **Add worst case coating to all solvents** **6.66** **159.83** **29.17** **6.92**

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

Appendix A: Emissions Calculations
VOC and Particulate
From Surface Coating Operations
Company Name: Utilimaster Corporation
Address City IN Zip: 65906 State Road 19, Wakarusa, IN 46573
Permit Number: T039-19587-00530
Reviewer: AB/ EVP

Plant 16 - General Assembly Operation

Material	Density (Lb/Gal)	Weight % Volatile (H20 & 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
Adhesives																
Adhesive Silkaflex 201	10.0	5.99%	0.0%	6.0%	0.0%	94.01%	0.00060	2.500	0.60	0.60	0.00	0.02	0.00	0.00	0.64	100%
Adhesive Silkaflex 221	9.9	6.00%	0.0%	6.0%	0.0%	94.00%	0.30000	2.500	0.59	0.59	0.45	10.69	1.95	0.00	0.63	100%
Adhesive Silkaflex 252	9.7	9.77%	0.0%	9.8%	0.0%	90.23%	0.01000	2.500	0.95	0.95	0.02	0.57	0.10	0.00	1.05	100%
Hot Glue melt	7.8	0.00%	0.0%	0.0%	0.0%	100.00%	0.08300	2.500	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100%
Caulks and Sealants																
Filler Bondo w/ Hardener	10.0	20.00%	0.0%	20.0%	0.0%	80.00%	0.00120	2.500	2.00	2.00	0.01	0.14	0.03	0.00	2.50	100%
Sealant Liquid Rubber	9.4	31.00%	0.0%	31.0%	0.0%	69.00%	0.00080	2.500	2.92	2.92	0.01	0.14	0.03	0.00	4.23	100%
Sealant Manus Bond	22.5	12.00%	0.0%	12.0%	0.0%	88.00%	0.10420	2.500	2.70	2.70	0.70	16.88	3.08	0.00	3.07	100%
Sealant Trimshield 600	8.9	100.00%	0.0%	100.0%	0.0%	0.00%	0.05370	2.500	8.90	8.90	1.19	28.68	5.23	0.00	#DIV/0!	100%
Sealant Silaprene Gry	10.0	50.00%	0.0%	50.0%	0.0%	50.00%	0.20000	2.500	5.00	5.00	2.50	60.00	10.95	0.00	10.00	100%
Sealant Silaprene Wht	9.0	50.00%	0.0%	50.0%	0.0%	50.00%	1.16670	2.500	4.50	4.50	13.13	315.01	57.49	0.00	9.00	100%
Sealant, Metal	8.3	40.00%	0.0%	40.0%	0.0%	60.00%	0.20000	2.500	3.34	3.34	1.67	40.03	7.31	0.00	5.56	100%
Sealant Silicone Wht	12.5	5.00%	0.0%	5.0%	0.0%	95.00%	0.00010	2.500	0.63	0.63	0.00	0.00	0.00	0.00	0.66	100%
Sealant Vulkem 616	8.7	10.00%	0.0%	10.0%	0.0%	90.00%	0.85000	2.500	0.87	0.87	1.85	44.37	8.10	0.00	0.97	100%
Sealant Vulkem 626	10.0	14.00%	0.0%	14.0%	0.0%	86.00%	0.12670	2.500	1.40	1.40	0.44	10.64	1.94	0.00	1.63	100%
Paints																
Paint Black H/S	13.5	26.20%	0.0%	26.2%	0.0%	73.80%	0.01420	2.500	3.54	3.54	0.13	3.01	0.55	0.00	4.79	100%
Cleaners & Solvents																
Cleaner Precleaner	6.3	100.00%	0.0%	100.0%	0.0%	0.00%	0.20670	2.500	6.25	6.25	3.23	77.51	14.15	0.00	#DIV/0!	
Thinner	7.0	100.00%	0.0%	100.0%	0.0%	0.00%	0.90000	2.500	7.01	7.01	15.77	378.54	69.08	0.00	#DIV/0!	

State Potential Emissions **Add worst case coating to all solvents** **41.09** **986.25** **179.99** **0.00**

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

Appendix A: Emissions Calculations
VOC and Particulate
From Surface Coating Operations
Company Name: Utilimaster Corporation
Address City IN Zip: 65906 State Road 19, Wakarusa, IN 46573
Permit Number: T039-19587-00530
Reviewer: AB/ EVP

Plant 18 - General Assembly & Undercoating

Material	Density (Lb/Gal)	Weight % Volatile (H20 & 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
Adhesives																
Adhesive Red Contact	10.4	81.00%	0.0%	81.0%	0.0%	19.00%	0.01250	4.000	8.45	8.45	0.42	10.14	1.85	0.11	44.46	75%
Adhesive Glue Super	8.8	0.00%	0.0%	0.0%	0.0%	100.00%	0.00450	4.000	0.00	0.00	0.00	0.00	0.00	0.17	0.00	75%
Adhesive Spray	6.1	75.00%	0.0%	75.0%	0.0%	25.00%	0.00480	4.000	4.54	4.54	0.09	2.09	0.38	0.03	18.15	75%
Hot Glue melt	7.8	0.00%	0.0%	0.0%	0.0%	100.00%	0.13750	4.000	0.00	0.00	0.00	0.00	0.00	4.67	0.00	75%
Caulks and Sealants																
Silkaflex 221	9.9	6.00%	0.0%	6.0%	0.0%	94.00%	0.08060	4.000	0.59	0.59	0.19	4.60	0.84	3.29	0.63	75%
Filler Bondite Wht	9.1	13.00%	0.0%	13.0%	0.0%	87.00%	0.00780	4.000	1.19	1.19	0.04	0.89	0.16	0.27	1.36	75%
Sealant Agoraseal	8.9	60.00%	0.0%	60.0%	0.0%	40.00%	0.03210	4.000	5.32	5.32	0.68	16.40	2.99	0.50	13.31	75%
Sealant Manusprene	7.3	30.00%	0.0%	30.0%	0.0%	70.00%	0.00810	4.000	2.18	2.18	0.07	1.69	0.31	0.18	3.11	75%
Sealant Silicone Wht	12.5	5.00%	0.0%	5.0%	0.0%	95.00%	0.02560	4.000	0.63	0.63	0.06	1.54	0.28	1.33	0.66	75%
Sealant Silaprene Gry	10.0	50.00%	0.0%	50.0%	0.0%	50.00%	0.02560	4.000	5.00	5.00	0.51	12.29	2.24	0.56	10.00	75%
Sealant Silaprene Wht	9.0	50.00%	0.0%	50.0%	0.0%	50.00%	0.00630	4.000	4.50	4.50	0.11	2.72	0.50	0.12	9.00	75%
Sealant Vulkem 116	10.0	10.00%	0.0%	10.0%	0.0%	90.00%	0.02410	4.000	1.00	1.00	0.10	2.31	0.42	0.95	1.11	75%
Sealant Vulkem 616	8.7	10.00%	0.0%	10.0%	0.0%	90.00%	0.37500	4.000	0.87	0.87	1.31	31.32	5.72	12.86	0.97	75%
Sealant Vulkem 626	10.0	14.00%	0.0%	14.0%	0.0%	86.00%	0.26880	4.000	1.40	1.40	1.51	36.13	6.59	10.13	1.63	75%
Wood Dough DAP	10.5	15.00%	0.0%	15.0%	0.0%	85.00%	0.00980	4.000	1.58	1.58	0.06	1.48	0.27	0.38	1.85	75%
Paints																
Paint Aluminum Spray	6.6	65.68%	0.0%	65.7%	0.0%	34.32%	0.00380	4.000	4.33	4.33	0.07	1.58	0.29	0.04	12.61	75%
Paint Black Enamel	6.5	73.11%	0.0%	73.1%	0.0%	26.89%	0.01880	4.000	4.77	4.77	0.36	8.60	1.57	0.14	17.73	75%
Paint Black Enamel	8.6	56.50%	0.0%	56.5%	0.0%	43.50%	0.08000	4.000	4.87	4.87	1.56	37.40	6.83	1.31	11.20	75%
Paint Black H/S	10.7	30.70%	0.0%	30.7%	0.0%	69.30%	0.01410	4.000	3.28	3.28	0.18	4.44	0.81	0.46	4.73	75%
Paint Frost Wht Spray	9.4	59.80%	0.0%	59.8%	0.0%	40.20%	0.00560	4.000	5.62	5.62	0.13	3.02	0.55	0.09	13.97	75%
Paint Gloss Black Spray	8.8	65.68%	0.0%	65.7%	0.0%	34.32%	0.00310	4.000	5.81	5.81	0.07	1.73	0.32	0.04	16.92	75%
Paint Gray Latex	10.3	3.00%	0.0%	3.0%	0.0%	97.00%	0.03850	4.000	0.31	0.31	0.05	1.14	0.21	1.68	0.32	75%
Paint Gray Utilimaster	9.5	35.00%	0.0%	35.0%	0.0%	65.00%	0.18950	4.000	3.31	3.31	2.51	60.30	11.00	5.11	5.10	75%
Paint HS Imron	13.3	70.00%	0.0%	70.0%	0.0%	30.00%	0.00030	4.000	9.31	9.31	0.01	0.27	0.05	0.01	31.03	75%
Paint Latex FLR Enamel	10.0	9.00%	0.0%	9.0%	0.0%	91.00%	0.04560	4.000	0.90	0.90	0.16	3.94	0.72	1.82	0.99	75%
Penske Yellow Spray	7.9	37.50%	0.0%	37.5%	0.0%	62.50%	0.03000	4.000	2.96	2.96	0.36	8.53	1.56	0.65	4.74	75%
Primer Grey Spray	6.7	63.00%	0.0%	63.0%	0.0%	37.00%	0.00630	4.000	4.20	4.20	0.11	2.54	0.46	0.07	11.36	75%
Professional Latex	10.4	3.10%	0.0%	3.1%	0.0%	96.90%	0.03880	4.000	0.32	0.32	0.05	1.20	0.22	1.71	0.33	75%
Undercoating Aquaseal	9.4	0.00%	0.0%	0.0%	0.0%	100.00%	5.40000	4.000	0.00	0.00	0.00	0.00	0.00	222.33	0.00	75%
Cleaners & Solvents																
Cleaner Citrus	7.0	0.00%	0.0%	0.0%	0.0%	100.00%	0.00690	4.000	0.00	0.00	0.00	0.00	0.00	0.85	0.00	
Cleaner Clophane	0.9	86.00%	0.0%	86.0%	0.0%	14.00%	0.03530	4.000	0.77	0.77	0.11	2.59	0.47	0.08	5.47	
Cleaner Terp A Kleen	7.9	0.00%	0.0%	0.0%	0.0%	100.00%	0.01190	4.000	0.00	0.00	0.00	0.00	0.00	1.64	0.00	
Lacquer Thinner	7.0	100.00%	0.0%	100.0%	0.0%	0.00%	0.34130	4.000	7.01	7.01	9.57	229.68	41.92	0.00	#DIV/0!	
State Potential Emissions			**Add worst case coating to all solvents**								**10.87**	**260.88**	**47.61**	**273.58**		

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

Appendix A: Emissions Calculations
VOC and Particulate
From Surface Coating Operations
Company Name: Utilimaster Corporation
Address City IN Zip: 65906 State Road 19, Wakarusa, IN 46573
Permit Number: T039-19587-00530
Reviewer: AB/ EVP

Plant 14 Paint Line #3 - Paint & Touch-up Booths

Material	Density (Lb/Gal)	Weight % Volatile (H20 & 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 Booth (003)																
Topcoat N1158H	10.65	32.56%	0.0%	32.6%	0.0%	53.04%	1.07000	4.000	3.47	3.47	14.84	356.20	65.01	33.66	6.54	75%
Primer 1340S	11.52	28.52%	0.0%	28.5%	0.0%	52.32%	0.57000	4.000	3.29	3.29	7.49	179.78	32.81	20.56	6.28	75%
Touch-up Booth (004)																
N1158H	10.65	32.56%	0.0%	32.6%	0.0%	53.04%	0.03100	4.000	3.47	3.47	0.43	10.32	1.88	0.98	6.54	75%
State Potential Emissions			**Add worst case coating to all solvents**								**14.84**	**356.20**	**65.01**	**33.66**		

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

Appendix A: Emission Calculations
HAP Emission Calculations

Company Name: Utilimaster Corporation
Address City IN Zip: 65906 State Road 19, Wakarusa, IN 46573
Permit No.: T039-19587-00530
Reviewer: AB/ EVP

Plant 3

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % MIBK	Weight % Methanol	Weight % Toluene	MIBK Emissions (ton/yr)	Methanol Emissions (ton/yr)	Toluene Emissions (ton/yr)
Clean/Solvent									
Thinner	7.0	0.12000	6.500	10.00%	9.85%	60.00%	2.39	2.36	14.37
Total State Potential Emissions							**2.39**	**2.36**	**14.37**

Plant 5

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Xylene	Weight % Toluene	Weight % MIBK	Weight % Methanol	Weight % Ethylbenzene	Xylene Emissions (ton/yr)	Toluene Emissions (ton/yr)	MIBK Emissions (ton/yr)	Methanol Emissions (ton/yr)	Ethyl-benzene Emissions (ton/yr)
Paints													
Accelerator	8.5	0.01300	3.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Activator	9.2	0.01300	3.750	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Paint Topcoat Enamel	11.5	0.03900	3.750	0.00%	0.00%	3.50%	0.00%	0.00%	0.00	0.00	0.26	0.00	0.00
Primer	14.2	0.01300	3.750	2.50%	0.00%	2.50%	0.00%	0.00%	0.08	0.00	0.08	0.00	0.00
Primer Epoxy & Epoxy	10.4	0.00400	3.750	0.00%	5.00%	0.00%	0.00%	0.00%	0.00	0.03	0.00	0.00	0.00
Reducer Enamel	7.5	0.01300	3.750	0.00%	4.00%	0.00%	0.00%	0.00%	0.00	0.06	0.00	0.00	0.00
Cleaners & Solvents													
Lacquer Thinner	7.0	0.02300	3.750	0.00%	60.00%	10.00%	9.85%	9.85%	0.00	1.59	0.26	0.26	0.26
Total State Potential Emissions									**0.08**	**1.69**	**0.60**	**0.26**	**0.26**

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

Appendix A: Emission Calculations
HAP Emission Calculations

Company Name: Utilimaster Corporation
Address City IN Zip: 65906 State Road 19, Wakarusa, IN 46573
Permit No.: T039-19587-00530
Reviewer: AB/ EVP

Plants 6 & 8

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Xylene	Weight % Toluene	Weight % MIBK	Weight % Methanol	Weight % Ethylbenzene	Xylene Emissions (ton/yr)	Toluene Emissions (ton/yr)	MIBK Emissions (ton/yr)	Methanol Emissions (ton/yr)	Ethyl-benzene Emissions (ton/yr)
Adhesives													
Adhesive Silkaflex 201	10.0	0.00050	3.000	6.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Adhesive Silkaflex 221	9.9	0.30000	3.000	6.00%	0.00%	0.00%	0.00%	0.00%	2.34	0.00	0.00	0.00	0.00
DAP Carpenter Glue #494	9.2	0.00000	3.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Spray Staput	10.0	0.00000	3.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
PARR/5941 Construction Adh.	10.0	0.00000	3.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Adhesive Silkaflex 252	9.7	0.00950	3.000	0.01%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Hot Glue melt	7.8	0.08300	3.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Caulks and Sealants													
Filler Bondo w/ Hardener	10.0	0.00130	3.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Sealant Liquid Rubber	9.4	0.00080	3.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Sealant Manus Bond	22.5	0.10420	3.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Sealant Trimshield 600	8.9	0.05370	3.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Sealant Silaprene Gry	10.0	0.20000	3.000	0.00%	50.00%	0.00%	0.00%	0.00%	0.00	13.14	0.00	0.00	0.00
Sealant Silaprene Wht	9.0	1.16670	3.000	0.00%	50.00%	0.00%	0.00%	0.00%	0.00	68.99	0.00	0.00	0.00
Sealant, Metal	8.3	0.20000	3.000	0.00%	6.00%	0.00%	0.00%	0.00%	0.00	1.32	0.00	0.00	0.00
Sealant Silicone Wht	12.5	0.00010	3.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Sealant Vulkem 616	8.7	0.85000	3.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Sealant Vulkem 626	10.0	0.12670	3.000	5.00%	0.00%	0.00%	0.00%	0.00%	0.83	0.00	0.00	0.00	0.00
Paints													
Paint Black H/S	13.5	0.01420	3.000	1.50%	15.30%	0.00%	0.00%	0.00%	0.04	0.39	0.00	0.00	0.00
Paint Water Based	8.8	0.00000	3.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Paint Spray Broma	8.3	0.00000	3.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Cleaners & Solvents													
Cleaner Precleaner	6.3	0.26700	3.000	1.50%	14.51%	0.00%	0.00%	1.00%	0.33	3.18	0.00	0.00	0.22
Thinner	7.0	0.85000	3.000	0.00%	60.00%	10.00%	9.85%	0.00%	0.00	46.98	7.83	7.71	0.00
Acetone	6.6	0.25000	3.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Total State Potential Emissions									**3.54**	**133.99**	**7.83**	**7.71**	**0.22**

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

Appendix A: Emission Calculations
HAP Emission Calculations

Company Name: Utilimaster Corporation
Address City IN Zip: 65906 State Road 19, Wakarusa, IN 46573
Permit No.: T039-19587-00530
Reviewer: AB/ EVP

Plants 10, 11 and 16

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Xylene	Weight % Toluene	Weight % MIBK	Weight % Methanol	Xylene Emissions (ton/yr)	Toluene Emissions (ton/yr)	MIBK Emissions (ton/yr)	Methanol Emissions (ton/yr)
Adhesives											
Adhesive Silkaflex 201	10.0	0.00060	2.500	6.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
Adhesive Silkaflex 221	9.9	0.30000	2.500	6.00%	0.00%	0.00%	0.00%	1.95	0.00	0.00	0.00
Adhesive Silkaflex 252	9.7	0.01000	2.500	0.01%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
Hot Glue melt	7.8	0.08300	2.500	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
Caulks and Sealants											
Filler Bondo w/ Hardener	10.0	0.00120	2.500	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
Sealant Liquid Rubber	9.4	0.00080	2.500	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
Sealant Manus Bond	22.5	0.10420	2.500	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
Sealant Trimshield 600	8.9	0.05370	2.500	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
Sealant Silaprene Gry	10.0	0.20000	2.500	0.00%	50.00%	0.00%	0.00%	0.00	10.95	0.00	0.00
Sealant Silaprene Wht	9.0	1.16670	2.500	0.00%	50.00%	0.00%	0.00%	0.00	57.49	0.00	0.00
Sealant, Metal	8.3	0.20000	2.500	0.00%	6.00%	0.00%	0.00%	0.00	1.10	0.00	0.00
Sealant Silicone Wht	12.5	0.00010	2.500	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
Sealant Vulkem 616	8.7	0.85000	2.500	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
Sealant Vulkem 626	10.0	0.12670	2.500	5.00%	0.00%	0.00%	0.00%	0.69	0.00	0.00	0.00
Paints											
Paint Black H/S	13.5	0.01420	2.500	1.50%	15.30%	0.00%	0.00%	0.03	0.32	0.00	0.00
Cleaners & Solvents											
Cleaner Precleaner	6.3	0.20670	2.500	1.50%	14.51%	0.00%	0.00%	0.21	2.05	0.00	0.00
Thinner	7.0	0.90000	2.500	0.00%	60.00%	10.00%	9.85%	0.00	41.45	6.91	6.80
Total State Potential Emissions								**2.89**	**113.36**	**6.91**	**6.80**

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

Appendix A: Emission Calculations
HAP Emission Calculations

Company Name: Utilimaster Corporation
Address City IN Zip: 65906 State Road 19, Wakarusa, IN 46573
Permit No.: T039-19587-00530
Reviewer: AB/ EVP

Plant 14

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Xylene	Weight % Toluene	Weight % MIBK	Weight % Methanol	Weight % Ethylbenzene	Xylene Emissions (ton/yr)	Toluene Emissions (ton/yr)	MIBK Emissions (ton/yr)	Methanol Emissions (ton/yr)	Ethyl-benzene Emissions (ton/yr)
Paints													
Accelerator	8.5	0.02300	9.500	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Accelerator/Imron 5000	8.2	0.00340	9.500	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Activator	9.2	0.45000	9.500	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Blender Chroma	7.2	0.00350	9.500	16.00%	28.00%	0.00%	0.00%	0.00%	0.17	0.29	0.00	0.00	0.00
Catalyst Delta Enhancer	8.1	0.05000	9.500	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Hardener Urethane	8.5	0.00940	9.500	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Clearcoat DCD35	8.2	0.00250	9.500	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Fisheye Smoothie	7.6	0.00250	9.500	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Flattening Agent	8.2	0.00010	9.500	3.50%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Hardener DU4	8.2	0.00700	9.500	0.00%	7.50%	0.00%	0.00%	0.00%	0.00	0.18	0.00	0.00	0.00
Hardener DU6	8.1	0.17500	9.500	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Hardener DP402	7.5	0.00800	9.500	7.50%	12.50%	0.00%	0.00%	0.00%	0.19	0.31	0.00	0.00	0.00
Hardener Catalyst DP401	7.5	0.00080	9.500	7.50%	12.50%	0.00%	0.00%	0.00%	0.02	0.03	0.00	0.00	0.00
Hardener H.S.	8.9	0.17500	9.500	12.50%	0.00%	0.00%	0.00%	0.00%	8.06	0.00	0.00	0.00	0.00
Paint Black Lacquer	7.8	0.02000	9.500	5.00%	30.00%	0.00%	0.00%	0.00%	0.32	1.94	0.00	0.00	0.00
Paint Black Steel	8.8	0.09300	9.500	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Paint Topcoat Enamel	11.5	0.37700	9.500	0.00%	0.00%	3.50%	0.00%	0.00%	0.00	0.00	6.31	0.00	0.00
Paint Gray Nonskid	9.9	0.00240	9.500	15.00%	4.99%	0.00%	0.00%	0.00%	0.15	0.05	0.00	0.00	0.00
Paint HS Imron	13.3	1.30000	9.500	5.50%	0.00%	0.00%	0.00%	2.50%	39.57	0.00	0.00	0.00	17.99
Paint Mix	11.5	0.08000	9.500	0.00%	3.50%	27.50%	0.00%	0.00%	0.00	1.34	10.53	0.00	0.00
Paint Patriot	10.7	0.22000	9.500	7.60%	4.40%	4.90%	0.00%	1.50%	7.43	4.30	4.79	0.00	1.47
Primer	14.2	1.00000	9.500	2.50%	0.00%	2.50%	0.00%	0.00%	14.72	0.00	14.72	0.00	0.00
Primer Epoxy & Epoxy	10.4	0.00650	9.500	0.00%	5.00%	0.00%	0.00%	0.00%	0.00	0.14	0.00	0.00	0.00
Reducer DAX609	8.3	0.00120	9.500	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Reducer DT1885	6.8	0.10000	9.500	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Reducer DT1895	7.0	0.02500	9.500	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Reducer Basecoat	7.2	0.04000	9.500	0.00%	15.00%	0.00%	0.00%	0.00%	0.00	1.79	0.00	0.00	0.00
Reducer Enamel	7.5	0.00040	9.500	0.00%	4.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Reducer (Factory)	7.3	0.02500	9.500	7.50%	22.50%	0.00%	0.00%	0.00%	0.57	1.71	0.00	0.00	0.00
Reducer LOC HISOLIDS	7.5	0.04000	9.500	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Reducer Normal Temp. DT860	6.6	0.00650	9.500	0.00%	17.50%	0.00%	0.00%	0.00%	0.00	0.31	0.00	0.00	0.00
Reducer Normal Temp. DT870	7.0	0.00300	9.500	0.00%	15.00%	0.00%	0.00%	0.00%	0.00	0.13	0.00	0.00	0.00
Cleaners & Solvents													
Cleaner Precleaner	6.3	0.05700	9.500	0.00%	14.51%	0.00%	0.00%	0.00%	0.00	2.15	0.00	0.00	0.00
Solvent PS400	7.3	0.00500	9.500	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Solvent Anti-Stat	7.0	0.00040	9.500	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Lacquer Thinner	7.0	1.50000	9.500	0.00%	60.00%	10.00%	9.85%	9.85%	0.00	262.52	43.75	43.10	43.10
Waste	7.5	1.37000	9.500	0.00%	50.00%	10.00%	9.00%	9.00%	0.00	213.77	42.75	38.48	38.48
Total State Potential Emissions									**71.19**	**490.97**	**122.86**	**81.58**	**101.03**

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

Appendix A: Emission Calculations
HAP Emission Calculations

Company Name: Utilimaster Corporation
Address City IN Zip: 65906 State Road 19, Wakarusa, IN 46573
Permit No.: T039-19587-00530
Reviewer: AB/ EVP

Plants 12 & 32

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Xylene	Weight % Toluene	Weight % MIBK	Weight % Methanol	Weight % Ethylbenzene	Xylene Emissions (ton/yr)	Toluene Emissions (ton/yr)	MIBK Emissions (ton/yr)	Methanol Emissions (ton/yr)	Ethyl-benzene Emissions (ton/yr)
Adhesives													
Adhesive Silkaflex 221	9.9	0.08750	0.500	6.00%	0.00%	0.00%	0.00%	0.00%	0.11	0.00	0.00	0.00	0.00
Caulks and Sealants													
Sealant Manus Bond AM	22.5	0.02750	0.500	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Sealant Silaprene Gry	10.0	0.06250	0.500	0.00%	50.00%	0.00%	0.00%	0.00%	0.00	0.68	0.00	0.00	0.00
Sealant Silaprene Wht	9.0	0.37500	0.500	0.00%	50.00%	0.00%	0.00%	0.00%	0.00	3.70	0.00	0.00	0.00
Sealant, Metal	8.3	0.06250	0.500	0.00%	6.00%	0.00%	0.00%	0.00%	0.00	0.07	0.00	0.00	0.00
Sealant Vulkem 616	8.7	0.30000	0.500	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Sealant Vulkem 626	10.0	0.25000	0.500	5.00%	0.00%	0.00%	0.00%	0.00%	0.27	0.00	0.00	0.00	0.00
Paints													
Paint Black H/S	13.5	0.41250	0.500	1.50%	15.30%	0.00%	0.00%	0.00%	0.18	1.87	0.00	0.00	0.00
Additive Paint Supercharger	8.0	0.00080	0.500	0.00%	12.50%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Clearcoat CC-630	7.7	0.00260	0.500	2.00%	2.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Hardener	8.2	0.00620	0.500	0.00%	7.50%	0.00%	0.00%	0.00%	0.00	0.01	0.00	0.00	0.00
Hardener SW Urethane	8.0	0.00630	0.500	50.00%	0.00%	0.00%	0.00%	0.00%	0.06	0.00	0.00	0.00	0.00
Paint DCU2020	8.2	0.01400	0.500	22.50%	0.00%	0.00%	0.00%	0.00%	0.06	0.00	0.00	0.00	0.00
Paint D.I.U. Basecoat	9.5	0.00100	0.500	3.50%	12.50%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Paint Mix DUHS	11.5	0.01140	0.500	0.00%	3.50%	27.50%	0.00%	0.00%	0.00	0.01	0.08	0.00	0.00
Paint Ultra One Non-Lead	9.5	0.03750	0.500	35.00%	5.00%	0.00%	0.00%	4.99%	0.27	0.04	0.00	0.00	0.04
Reducer Reactive	7.4	0.00960	0.500	7.50%	0.00%	12.50%	0.00%	0.00%	0.01	0.00	0.02	0.00	0.00
Reducer Ultra 7000 Clearcoat	7.2	0.00180	0.500	0.00%	74.00%	0.00%	0.00%	0.00%	0.00	0.02	0.00	0.00	0.00
Reducer Warm Temp.	7.2	0.01010	0.500	0.00%	15.00%	0.00%	0.00%	0.00%	0.00	0.02	0.00	0.00	0.00
Toluene	7.3	0.00290	0.500	0.00%	100.00%	0.00%	0.00%	0.00%	0.00	0.05	0.00	0.00	0.00
Ultra 7000 Basecoat Colorant	8.5	0.00270	0.500	27.00%	0.00%	0.00%	0.00%	5.00%	0.01	0.00	0.00	0.00	0.00
Ultra 7000 Basecoat Stabilizer	7.3	0.00230	0.500	19.00%	38.00%	0.00%	0.00%	0.00%	0.01	0.01	0.00	0.00	0.00
Ultra 7000 Basecoat Hardener	8.7	0.00120	0.500	24.00%	0.00%	0.00%	0.00%	1.00%	0.01	0.00	0.00	0.00	0.00
Ultra 7000 Basecoat Reducer	7.2	0.00050	0.500	55.00%	0.00%	0.00%	0.00%	3.00%	0.00	0.00	0.00	0.00	0.00
Cleaners & Solvents													
Cleaner Aquasafe	8.8	0.26700	0.500	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
Lacquer Thinner	7.0	0.85000	0.500	0.00%	60.00%	10.00%	9.85%	0.00%	0.00	7.83	1.30	1.29	0.00
Total State Potential Emissions									**1.00**	**14.31**	**1.40**	**1.29**	**0.04**

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

Appendix A: Emission Calculations
HAP Emission Calculations

Company Name: Utilimaster Corporation
Address City IN Zip: 65906 State Road 19, Wakarusa, IN 46573
Permit No.: T039-19587-00530
Reviewer: AB/ EVP

Plant 18

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Xylene	Weight % Toluene	Weight % MIBK	Weight % Methanol	Weight % Ethylbenzene	Weight % Dichloromethane	Xylene Emissions (ton/yr)	Toluene Emissions (ton/yr)	MIBK Emissions (ton/yr)	Methanol Emissions (ton/yr)	Ethylbenzene Emissions (ton/yr)	Dichloro methane Emissions (ton/yr)
Adhesives															
Adhesive Red Contact	10.4	0.01250	4.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Adhesive Glue Super	8.8	0.00450	4.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Adhesive Spray	6.1	0.00480	4.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Hot Glue melt	7.8	0.13750	4.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Caulks and Sealants															
Silkaflex 221	9.9	0.08060	4.000	6.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.84	0.00	0.00	0.00	0.00	0.00
Filler Bondite Wht	9.1	0.00780	4.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Sealant Agoraseal	8.9	0.03210	4.000	0.00%	60.00%	0.00%	0.00%	0.00%	0.00%	0.00	2.99	0.00	0.00	0.00	0.00
Sealant Manusprene	7.3	0.00810	4.000	0.00%	30.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.31	0.00	0.00	0.00	0.00
Sealant Silicone Wht	12.5	0.02560	4.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Sealant Silaprene Gry	10.0	0.02560	4.000	0.00%	50.00%	0.00%	0.00%	0.00%	0.00%	0.00	2.24	0.00	0.00	0.00	0.00
Sealant Silaprene Wht	9.0	0.00630	4.000	0.00%	50.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.50	0.00	0.00	0.00	0.00
Sealant Vulkem 116	10.0	0.02410	4.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Sealant Vulkem 616	8.7	0.37500	4.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Sealant Vulkem 626	10.0	0.26880	4.000	5.00%	0.00%	0.00%	0.00%	0.00%	0.00%	2.35	0.00	0.00	0.00	0.00	0.00
Wood Dough DAP	10.5	0.00980	4.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Paints															
Paint Aluminum Spray	6.6	0.00380	4.000	0.00%	29.00%	0.00%	0.00%	0.00%	27.00%	0.00	0.13	0.00	0.00	0.00	0.12
Paint Black Enamel	6.5	0.01880	4.000	10.86%	8.85%	0.00%	0.00%	2.70%	0.00%	0.23	0.19	0.00	0.00	0.06	0.00
Paint Black Enamel	8.6	0.08000	4.000	25.00%	5.00%	0.50%	0.50%	0.00%	0.00%	3.02	0.60	0.06	0.06	0.00	0.00
Paint Black H/S	10.7	0.01410	4.000	7.60%	4.40%	4.90%	0.00%	1.50%	0.00%	0.20	0.12	0.13	0.00	0.04	0.00
Paint Frost Wht Spray	9.4	0.00560	4.000	22.00%	11.00%	0.00%	0.00%	0.00%	0.00%	0.20	0.10	0.00	0.00	0.00	0.00
Paint Gloss Black Spray	8.8	0.00310	4.000	0.00%	0.99%	0.00%	0.00%	0.00%	45.00%	0.00	0.00	0.00	0.00	0.00	0.22
Paint Gray Latex	10.3	0.03850	4.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Paint Gray Utilimaster	9.5	0.18950	4.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Paint HS Imron	13.3	0.00030	4.000	5.50%	0.00%	0.00%	0.00%	2.50%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Paint Latex FLR Enamel	10.0	0.04560	4.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Penske Yellow Spray	7.9	0.03000	4.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Primer Grey Spray	6.7	0.00630	4.000	37.50%	0.00%	0.00%	0.00%	0.00%	0.00%	0.28	0.00	0.00	0.00	0.00	0.00
Professional Latex	10.4	0.03880	4.000	3.00%	25.00%	0.00%	0.00%	0.00%	0.00%	0.21	1.77	0.00	0.00	0.00	0.00
Undercoating Aquaseal	9.4	5.40000	4.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Cleaners & Solvents															
Cleaner Citrus	7.0	0.00690	4.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Cleaner Clophane	0.9	0.03530	4.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Cleaner Terp A Kleen	7.9	0.01190	4.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00
Lacquer Thinner	7.0	0.34130	4.000	0.00%	60.00%	10.00%	9.85%	0.00%	0.00%	0.00	25.15	4.19	4.13	0.00	0.00
Total State Potential Emissions										**7.34**	**8.95**	**0.19**	**0.06**	**0.10**	**0.33**

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

Appendix A: Emission Calculations
HAP Emission Calculations

Company Name: Utilimaster Corporation
Address City IN Zip: 65906 State Road 19, Wakarusa, IN 46573
Permit No.: T039-19587-00530
Reviewer: AB/ EVP

PB003 and TB004

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Xylene	Xylene Emissions (ton/yr)
Topcoat N1158I	10.65	1.07000	4.000	2.00%	3.99
Primer 1340S	11.52	0.57000	4.000	1.00%	1.15
Total State Potential Emissions					**3.99**

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

Company Name: Utilimaster Corporation
Address City IN Zip: 65906 State Road 19, Wakarusa, IN 46573
Permit Number: T039-19587-00530
Reviewer: Alic Bent /EVP

Particulate Emissions Before Control (tons/year)					
Emission Unit	Lumber Processed (lb/hr)	Sawdust Collected (lb/hr)	PM Emissions	PM-10 Emissions	Control Efficiency
Plant 18 Woodworking Process	200.00	5.00	22.12	22.12	99%
Plants 12 & 32 Woodworking Proces	200.00	5.00	22.12	22.12	99%
Plant 10 Woodworking Process	80.00	2.00	8.85	8.85	99%

Particulate Emissions Before Control (tons/year)					
Emission Unit	Lumber Processed (lb/hr)	Sawdust Collected (lb/hr)	PM Emissions	PM-10 Emissions	Control Efficiency
Plant 18 Woodworking Process	200.00	5.00	0.221	0.221	99%
Plants 12 & 32 Woodworking Proces	200.00	5.00	0.221	0.221	99%
Plant 10 Woodworking Process	80.00	2.00	0.088	0.088	99%

Methodology

Uncontrolled Emissions:
Uncontrolled Emissions (tons/yr) = Sawdust Collected (lb/hr)/ Control Efficiency (%) * 8760 hr/yr * 1 ton/2000 lbs
All PM is asssumed to be PM-10
Sawdust collected: this is the amount of sawdust collected from the baghouse on a hourly basis.

Controlled Emissions:
Controlled Emissions (tons/yr) = Uncontrolled Emissions (tons/yr) * (1 - Control Efficiency)

Appendix A: Emissions Calculations
Plants 4, 7, 10, 16, 17 and 18 Welding Operations

Company Name: Utilimaster Corporation
Address City IN Zip: 65906 State Road 19, Wakarusa, IN 46573
Permit Number: T039-19587-00530
Reviewer: AB/ EVP

PROCESS	Number of Stations	Max. electrode consumption per station (lbs/hr)		EMISSION FACTORS* (lb pollutant/lb electrode)				EMISSIONS (lbs/hr)				HAPS (lbs/hr)
WELDING				PM = PM10	Mn	Ni	Cr	PM = PM10	Mn	Ni	Cr	
Metal Inert Gas (MIG)(carbon steel)	17	4.29		0.0055	0.0005			0.401	0.036	0.000	0	0.036
EMISSION TOTALS												
Potential Emissions lbs/hr								0.40				0.04
Potential Emissions lbs/day								9.63				0.88
Potential Emissions tons/year								1.76				0.16

METHODOLOGY

*Emission Factors are default values for carbon steel unless a specific electrode type is noted in the Process column.
Welding emissions, lb/hr: (# of stations)(max. lbs of electrode used/hr/station)(emission factor, lb. pollutant/lb. of electrode used)
Emissions, lbs/day = emissions, lbs/hr x 24 hrs/day
Emissions, tons/yr = emissions, lb/hr x 8,760 hrs/year x 1 ton/2,000 lb

Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100
Curing Ovens and Space Heaters

Company Name: Utilimaster Corporation
Address City IN Zip: 65906 State Road 19, Wakarusa, IN 46573
Permit Number: T039-19587-00530
Reviewer: Alic Bent/EVP

Three (3) curing ovens and 137 space heaters. The largest unit is 6.7 MMBtu.

Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr
99.8	874.3

	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	1.9	7.6	0.6	100.0 **see below	5.5	84.0
Potential Emission in tons/yr	0.83	3.32	0.26	43.71	2.40	36.72

*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

Methodology

All emission factors are based on normal firing.
MMBtu = 1,000,000 Btu
MMCF = 1,000,000 Cubic Feet of Gas

Potential Throughput (MMCF) = Heat Input Capacity (MMBtu/hr) x 8,760 hrs/yr x 1 MMCF/1,000 MMBtu
Emission Factors are from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, 1.4-3, SCC #1-02-006-02, 1-01-006-02, 1-03-006-02, and 1-03-006-03 (SUPPLEMENT D 3/98)
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton

Appendix A: Emissions Calculations
Natural Gas Combustion Only
MM BTU/HR <100
Curing Ovens and Space Heaters
HAPs Emissions

Company Name: Utilimaster Corporation
Address City IN Zip: 65906 State Road 19, Wakarusa, IN 46573
Permit Number: T039-19587-00530
Reviewer: Alic Bent/EVP

	HAPs - Organics				
	Benzene	Dichlorobenzene	Formaldehyde	Hexane	Toluene
Emission Factor in lb/MMcf	2.1E-03	1.2E-03	7.5E-02	1.8E+00	3.4E-03
Potential Emission in tons/yr	9.180E-04	5.246E-04	3.278E-02	7.868E-01	1.486E-03

	HAPs - Metals				
	Lead	Cadmium	Chromium	Manganese	Nickel
Emission Factor in lb/MMcf	5.0E-04	1.1E-03	1.4E-03	3.8E-04	2.1E-03
Potential Emission in tons/yr	2.186E-04	4.808E-04	6.120E-04	1.661E-04	9.180E-04

Methodology is the same as previous page.

The five highest organic and metal HAPs emission factors are provided above.
Additional HAPs emission factors are available in AP-42, Chapter 1.4.