**INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT**
*We Protect Hoosiers and Our Environment.*

*Mitchell E. Daniels Jr.*
**Governor**

*Thomas W. Easterly*
**Commissioner**

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

TO: Interested Parties / Applicant

DATE: March 27, 2008

RE: Jayco, Inc. / 039-18088-00265

FROM: Matthew Stuckey, Branch 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, Suite N 501E, 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;



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(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 3/27/08

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

*Mitchell E. Daniels, Jr.*
Governor

*Thomas W. Easterly*
Commissioner

100 North Senate Avenue
MC 61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
(317) 232-8603
(800) 451-6027
www.in.gov/idem

# Part 70 Operating Permit Renewal
# OFFICE OF AIR QUALITY

## Jayco, Inc.
## 903 South Main Street
## Middlebury, Indiana 46540

(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.: T 039-18088-00265 | |
|---|---|
| Issued by:<br>*Original document signed by*<br>Chrystal Wagner, Section Chief<br>Permits Branch<br>Office of Air Quality | Issuance Date: March 27, 2008<br><br>Expiration Date: March 27, 2013 |

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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 recreational vehicle manufacturing source.

| | |
|---|---|
| Source Address: | 903 South Main Street, Middlebury, Indiana 46540 |
| Mailing Address: | 903 South Main Street, Middlebury, Indiana 46540 |
| General Source Phone Number: | (574) 825-5861 |
| SIC Code: | 3792 |
| County Location: | Elkhart |
| Source Location Status: | Attainment for all criteria pollutants |
| Source Status: | Part 70 Operating Permit Program<br>Minor Source, under PSD Rules<br>Major Source, Section 112 of the Clean Air Act<br>Not 1 of 28 Source Categories |

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

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

(a) One (1) recreational vehicle assembly line, identified as EU L-1, consisting of adhesive application, solvent wiping, caulking, and touch-up paint operations, installed in 1973, exhausting internally, nominal capacity: ten (10) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(b) One (1) recreational vehicle assembly line, identified as EU L-3, consisting of adhesive, solvent wiping, caulking and touch-up paint operations, installed in 2000, exhausting internally, with coatings applied using a spray system, brushes, wiping, and caulking guns, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(c) One (1) recreational vehicle assembly line, identified as EU L-4, consisting of adhesive application, solvent wiping, caulking, and touch-up paint operations, installed in 1974, exhausting internally, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(d) One (1) recreational vehicle assembly line, identified as EU L-5, consisting of adhesive application, solvent wiping, caulking, and touch-up paint operations, installed in 1974, exhausting internally, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(e) One (1) recreational vehicle assembly line, identified as EU L-6, consisting of adhesive application, solvent wiping, caulking, and touch-up paint operations, installed in 1987, exhausting internally, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products

coating facility.

(f) One (1) recreational vehicle assembly line, identified as EU L-10, consisting of adhesive application, solvent wiping, caulking, and touch-up paint operations, installed in 1973, exhausting internally, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(g) One (1) recreational vehicle assembly line, identified as EU L-21, consisting of adhesive, solvent wiping, caulking and touch-up paint operations, installed in 2000, exhausting internally, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(h) One (1) recreational vehicle assembly line, identified as EU L-23, consisting of adhesive application, solvent wiping, caulking, and touch-up paint operations, installed in 1974, exhausting internally, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(i) One (1) wood component spray booth, identified as EU SB-1, using conventional spray equipment, equipped with dry filters, installed in 1992, exhausting to Vent P16-1, nominal capacity: 2.08 wood components per hour.

(j) One (1) metal and wood spray booth, identified as EU SB-2, using air assisted, airless, and conventional spray equipment, equipped with dry filters, installed in 1973, exhausting to Vents P4-1 and P4-2, nominal capacity: 6.00 metal and wood parts per day.

(k) One (1) repair spray booth identified as EU SB-6, installed in 1998, equipped with dry filters, exhausting to Vent P10-1, nominal capacity: 12.0 repair units per day.

(l) One (1) lamination operation, identified as lamination, installed in 1973, exhausting internally, nominal capacity: 12.5 units per hour.

(m) One (1) woodworking operation, identified as EU W-16, installed in 1973, modified in 2007, controlled by two (2) cyclones, identified as CE-21 and CE-22, and two (2) baghouses, identified as CE-16-1 and CE-16-2, nominal capacity: 11,000 pounds of wood per hour.

A.3 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]

This stationary source also includes the following insignificant activities which are specifically regulated, as defined in 326 IAC 2-7-1(21):

(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour, consisting of fifty-five (55) boilers, all constructed after September 21, 1983, with a combined heat input capacity of 10.15 million British thermal units per hour, total. [326 IAC 6-2-4]

(b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-5] [326 IAC 8-3-2]

(c) Any of the following structural steel and bridge fabrication activities:

Cutting 200,000 linear feet or less of one inch (1") plate or equivalent. [326 IAC 6-3-2]

(d) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]

(e) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4,000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations. [326 IAC 6-3-2]

(f) Sawing, chop and band saws, small paint touch up guns of various designs. [326 IAC 6-3-2]

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, T 039-18088-00265, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

(b) If IDEM, OAQ, upon receiving a timely and complete renewal permit application, fails to issue or deny the permit renewal prior to the expiration date of this permit, this existing permit shall not expire and all terms and conditions shall continue in effect, including any permit shield provided in 326 IAC 2-7-15, until the renewal permit has been issued or denied.

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

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

(a) the condition is modified in a subsequent permit action pursuant to Title I of the Clean Air Act; or

(b) the emission unit to which the condition pertains permanently ceases operation.

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

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

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

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

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

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

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

(a) The Permittee shall furnish to IDEM, OAQ, within a reasonable time, any information that IDEM, OAQ may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The submittal by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34). Upon request, the Permittee shall also furnish to IDEM, OAQ copies of records required to be kept by this permit.

(b) For information furnished by the Permittee to IDEM, OAQ, the Permittee may include a claim of confidentiality in accordance with 326 IAC 17.1. When furnishing copies of requested records directly to U.S. EPA, the Permittee may assert a claim of confidentiality in accordance with 40 CFR 2, Subpart B.

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

(a) Where specifically designated by this permit or required by an applicable requirement, any application form, report, or compliance certification submitted shall contain certification by the "responsible official" of truth, accuracy, and completeness. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

(b) One (1) certification shall be included, using the attached Certification Form or its equivalent, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

(c) The "responsible official" is defined at 326 IAC 2-7-1(34).

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

(a) The Permittee shall annually submit a compliance certification report which addresses the status of the source's compliance with the terms and conditions contained in this permit, including emission limitations, standards, or work practices. All annual compliance 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 PMPs do not require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

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

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

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

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

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

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

(4) For each emergency lasting one (1) hour or more, the Permittee notified IDEM, OAQ and the Northern Regional Office 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

Northern Regional Office phone: 574-245-4870; fax: 574-245-4877

(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 T 039-18088-00265 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 Operating 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] [40 CFR 72]

(a) Permit amendments and modifications are governed by the requirements of 326 IAC 2-7-11 or 326 IAC 2-7-12 whenever the Permittee seeks to amend or modify this permit.

(b) Any application requesting an amendment or modification of this permit shall be submitted to:

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

Any such application shall be certified by the "responsible official" as defined by 326 IAC 2-7-1 (34).

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11 (c)(3)]

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

(a) No Part 70 permit revision shall be required under any approved economic incentives, marketable Part 70 permits, emissions trading, and other similar programs or processes for changes that are provided for in a Part 70 permit.

(b) Notwithstanding 326 IAC 2-7-12(b)(1) and 326 IAC 2-7-12(c)(1), minor Part 70 permit modification procedures may be used for Part 70 modifications involving the use of economic incentives, marketable Part 70 permits, emissions trading, and other similar approaches to the extent that such minor Part 70 permit modification procedures are explicitly provided for in the applicable State Implementation Plan (SIP) or in applicable requirements promulgated or approved by the U.S. EPA.

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

(a) The Permittee may make any change or changes at the source that are described in 326 IAC 2-7-20(b),(c), or (e) without a prior permit revision, if each of the following conditions is met:

(1) The changes are not modifications under any provision of Title I of the Clean Air Act;

(2) Any preconstruction approval required by 326 IAC 2-7-10.5 has been obtained;

(3) The changes do not result in emissions which exceed the limitations provided in this permit (whether expressed herein as a rate of emissions or in terms of total emissions);

(4) The Permittee notifies the:

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

and

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

in advance of the change by written notification at least ten (10) days in advance of the proposed change. The Permittee shall attach every such notice to the Permittee's copy of this permit; and

(5) The Permittee maintains records on-site, on a rolling five (5) year basis, which document all such changes and emission trades that are subject to 326 IAC 2-7-20(b),(c), or (e). The Permittee shall make such records available, upon reasonable request, for public review.

Such records shall consist of all information required to be submitted to IDEM, OAQ in the notices specified in 326 IAC 2-7-20(b)(1), (c)(1), and (e)(2).

(b) The Permittee may make Section 502(b)(10) of the Clean Air Act changes (this term is defined at 326 IAC 2-7-1(36)) without a permit revision, subject to the constraint of 326 IAC 2-7-20(a). For each such Section 502(b)(10) of the Clean Air Act change, the required written notification shall include the following:

(1) A brief description of the change within the source;

(2) The date on which the change will occur;

(3) Any change in emissions; and

(4) Any permit term or condition that is no longer applicable as a result of the change.

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

(c) Emission Trades [326 IAC 2-7-20(c)]
The Permittee may trade emissions increases and decreases at the source, where the applicable SIP provides for such emission trades without requiring a permit revision, subject to the constraints of Section (a) of this condition and those in 326 IAC 2-7-20(c).

(d) Alternative Operating Scenarios [326 IAC 2-7-20(d)]
The Permittee may make changes at the source within the range of alternative operating scenarios that are described in the terms and conditions of this permit in accordance with 326 IAC 2-7-5(9). No prior notification of IDEM, OAQ, or U.S. EPA is required.

(e) Backup fuel switches specifically addressed in, and limited under, Section D of this permit shall not be considered alternative operating scenarios. Therefore, the notification requirements of part (a) of this condition do not apply.

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

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

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

Upon presentation of proper identification cards, credentials, and other documents as may be required by law, and subject to the Permittee’s right under all applicable laws and regulations to assert that the

information collected by the agency is confidential and entitled to be treated as such, the Permittee shall allow IDEM, OAQ, U.S. EPA, or an authorized representative to perform the following:

(a) Enter upon the Permittee's premises where a Part 70 source is located, or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

(b) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, have access to and copy any records that must be kept under the conditions of this permit;

(c) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, inspect any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under this permit;

(d) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, sample or monitor substances or parameters for the purpose of assuring compliance with this permit or applicable requirements; and

(e) As authorized by the Clean Air Act, IC 13-14-2-2, IC 13-17-3-2, and IC 13-30-3-1, utilize any photographic, recording, testing, monitoring, or other equipment for the purpose of assuring compliance with this permit or applicable requirements.

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

(a) The Permittee must comply with the requirements of 326 IAC 2-7-11 whenever the Permittee seeks to change the ownership or operational control of the source and no other change in the permit is necessary.

(b) Any application requesting a change in the ownership or operational control of the source shall contain a written agreement containing a specific date for transfer of permit responsibility, coverage and liability between the current and new Permittee. The application shall be submitted to:

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

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

(c) The Permittee may implement administrative amendment changes addressed in the request for an administrative amendment immediately upon submittal of the request. [326 IAC 2-7-11 (c)(3)]

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

(a) The Permittee shall pay annual fees to IDEM, OAQ within thirty (30) calendar days of receipt of a billing. Pursuant to 326 IAC 2-7-19(b), if the Permittee does not receive a bill from IDEM, OAQ the applicable fee is due April 1 of each year.

(b) Except as provided in 326 IAC 2-7-19(e), failure to pay may result in administrative enforcement action or revocation of this permit.

(c) The Permittee may call the following telephone numbers: 1-800-451-6027 or 317-233-4230 (ask for OAQ, Billing, Licensing, and Training Section), to determine the appropriate permit fee.

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

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

## SECTION C SOURCE OPERATION CONDITIONS

Entire Source

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

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

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

C.2 Opacity [326 IAC 5-1]

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

(a) Opacity shall not exceed an average of forty percent (40%) in any one (1) six (6) minute averaging period as determined in 326 IAC 5-1-4.

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

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

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

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

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

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

The Permittee shall not allow fugitive dust to escape beyond the property line or boundaries of the property, right-of-way, or easement on which the source is located, in a manner that would violate 326 IAC 6-4 (Fugitive Dust Emissions). 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 two hundred sixty (260) linear feet on pipes or one hundred sixty (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 seventy-five hundredths (0.75) cubic feet on all facility components.

(f) Demolition and Renovation
The Permittee shall thoroughly inspect the affected facility or part of the facility where the demolition or renovation will occur for the presence of asbestos pursuant to 40 CFR 61.145(a).

(g) Indiana Accredited Asbestos Inspector
The Permittee shall comply with 326 IAC 14-10-1(a) that requires the owner or operator, prior to a renovation/demolition, to use an Indiana Accredited Asbestos Inspector to thoroughly inspect the affected portion of the facility for the presence of asbestos. The requirement to use an Indiana Accredited Asbestos inspector is not federally enforceable.

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

C.7 Performance Testing [326 IAC 3-6]

(a) All testing shall be performed according to the provisions of 326 IAC 3-6 (Source Sampling Procedures), except as provided elsewhere in this permit, utilizing any applicable procedures and analysis methods specified in 40 CFR 51, 40 CFR 60, 40 CFR 61, 40 CFR 63, 40 CFR 75, or other procedures approved by IDEM, OAQ.

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

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

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

(b) The Permittee shall notify IDEM, OAQ of the actual test date at least fourteen (14) days prior to the actual test date. The notification submitted by the Permittee does not require certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

(c) Pursuant to 326 IAC 3-6-4(b), all test reports must be received by IDEM, OAQ not later than forty-five (45) days after the completion of the testing. An extension may be granted by IDEM, OAQ if the Permittee submits to IDEM, OAQ a reasonable written explanation not later than five (5) days prior to the end of the initial forty-five (45) day period.

**Compliance Requirements [326 IAC 2-1.1-11]**

C.8 Compliance Requirements [326 IAC 2-1.1-11]

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

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

C.9 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]

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

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

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

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

Unless otherwise specified in the approval for the new emission unit(s), compliance monitoring for new emission units or emission units added through a source modification shall be implemented when operation begins.

C.10 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

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

C.11 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

(a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on November 8, 1999.

(b) Upon direct notification by IDEM, OAQ that a specific air pollution episode level is in effect, the Permittee shall immediately put into effect the actions stipulated in the approved ERP for the appropriate episode level. [326 IAC 1-5-3]

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

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

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

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

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

(1) initial inspection and evaluation

(2) recording that operations returned to normal without operator action (such as through response by a computerized distribution control system); or

(3) any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.

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

(1) monitoring results;

(2) review of operation and maintenance procedures and records;

(3) inspection of the control device, associated capture system, and the process.

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

(e) The Permittee shall maintain the following records:

(1) monitoring data;

(2) monitor performance data, if applicable; and

(3) corrective actions taken.

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

(a) When the results of a stack test performed in conformance with Section C - Performance Testing, of this permit exceed the level specified in any condition of this permit, the Permittee shall take appropriate response actions. The Permittee shall submit a description of these response actions to IDEM, OAQ within thirty (30) days of receipt of the test results. The Permittee shall take appropriate action to minimize excess emissions from the affected facility while the response actions are being implemented.

(b) A retest to demonstrate compliance shall be performed within one hundred twenty (120) days of receipt of the original test results. Should the Permittee demonstrate to IDEM, OAQ that retesting in one hundred twenty (120) days is not practicable, IDEM, OAQ may extend the retesting deadline.

(c) IDEM, OAQ reserves the authority to take any actions allowed under law in response to noncompliant stack tests.

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

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

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

(a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 2004 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c) and shall meet the following requirements:

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

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

The statement must be submitted to:

Indiana Department of Environmental Management
Technical Support and Modeling Section, Office of Air Quality
100 North Senate Avenue
MC 61-50 IGCN 1003
Indianapolis, Indiana 46204-2251

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

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

means, it shall be considered timely if received by IDEM, OAQ on or before the date it is due.

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

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

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

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

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

(b) The report required in (a) of this condition and reports required by conditions in Section D of this permit shall be submitted to:

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
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.

**Stratospheric Ozone Protection**

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

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

(a) Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.

(b) Equipment used during the maintenance, service, repair, or disposal of appliances must

comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

(c) Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161.

## SECTION D.1 FACILITY OPERATION CONDITIONS

**Facility Description [326 IAC 2-7-5(15)]: Assembly Lines and Spray Booths**

(a) One (1) recreational vehicle assembly line, identified as EU L-1, consisting of adhesive application, solvent wiping, caulking, and touch-up paint operations, installed in 1973, exhausting internally, nominal capacity: ten (10) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(b) One (1) recreational vehicle assembly line, identified as EU L-3, consisting of adhesive, solvent wiping, caulking and touch-up paint operations, installed in 2000, exhausting internally, with coatings applied using a spray system, brushes, wiping, and caulking guns, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(c) One (1) recreational vehicle assembly line, identified as EU L-4, consisting of adhesive application, solvent wiping, caulking, and touch-up paint operations, installed in 1974, exhausting internally, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(d) One (1) recreational vehicle assembly line, identified as EU L-5, consisting of adhesive application, solvent wiping, caulking, and touch-up paint operations, installed in 1974, exhausting internally, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(e) One (1) recreational vehicle assembly line, identified as EU L-6, consisting of adhesive application, solvent wiping, caulking, and touch-up paint operations, installed in 1987, exhausting internally, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(f) One (1) recreational vehicle assembly line, identified as EU L-10, consisting of adhesive application, solvent wiping, caulking, and touch-up paint operations, installed in 1973, exhausting internally, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(g) One (1) recreational vehicle assembly line, identified as EU L-21, consisting of adhesive, solvent wiping, caulking and touch-up paint operations, installed in 2000, exhausting internally, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(h) One (1) recreational vehicle assembly line, identified as EU L-23, consisting of adhesive application, solvent wiping, caulking, and touch-up paint operations, installed in 1974, exhausting internally, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(i) One (1) wood component spray booth, identified as EU SB-1, using conventional spray equipment, equipped with dry filters, installed in 1992, exhausting to Vent P16-1, nominal capacity: 2.08 wood components per hour.

(j) One (1) metal and wood spray booth, identified as EU SB-2, using air assisted, airless, and conventional spray equipment, equipped with dry filters, installed in 1973, exhausting to Vents P4-1 and P4-2, nominal capacity: 6.00 metal and wood parts per day.

(k) One (1) repair spray booth identified as EU SB-6, installed in 1998, equipped with dry filters, exhausting to Vent P10-1, nominal capacity: 12.0 repair units per day.

(l) One (1) lamination operation, identified as lamination, installed in 1973, exhausting internally, nominal capacity: 12.5 units 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.1.1 Volatile Organic Compounds (VOC) [326 IAC 2-2]

The VOC usage at all surface coating facilities shall be limited to less than two hundred forty-five (245) tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Compliance with this limitation, in combination with the unrestricted potential to emit VOC from all insignificant activities shall limit the source-wide VOC emissions to less than two hundred fifty (250) tons per year, and render this source a minor source pursuant to 326 IAC 2-2, PSD.

D.1.2 Volatile Organic Compounds (VOC) [326 IAC 8-1-6]

The use of VOC, including coatings, dilution solvents, and cleaning solvents at the two (2) recreational vehicle assembly lines, identified as EU L-6 and EU L-21, shall be limited to less than twenty-five (25.0) tons per twelve (12) consecutive month period, each, with compliance determined at the end of each month. Compliance with this limit shall render the requirements of 326 IAC 8-1-6 not applicable.

D.1.3 Volatile Organic Compounds (VOC) [326 IAC 8-2-9]

(a) The VOC emissions from the two (2) recreational vehicle assembly lines, identified as EU L-3 and EU L-21, and the repair spray booth, identified as EU SB-6, shall be limited to less than fifteen (15.0) pounds per day, each, when coating metal. Compliance with these limitations shall render the requirements of 326 IAC 8-2-9, not applicable.

(b) Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the volatile organic compounds (VOC) content of coatings delivered to the applicators at the metal and wood spray booth, identified as SB-2, when coating metal substrates shall be limited to 3.5 pounds of VOC per gallon of coating less water, for extreme performance coatings computed on a daily volume weighted basis. The daily volume weighted average of VOC content shall be calculated only on days when one (1) or more of the coating materials exceed a VOC content of 3.5 pounds of VOC per gallon of coating less water using the following formula, where n is the number of coatings (c):

$$\frac{\sum_{c=1}^{n} \text{coating } c \text{ (gal)} \times \text{VOC content of } c \text{ (lbs/gal, less water)}}{\sum_{c=1}^{n} \text{coating } c \text{ (gal)}}$$

D.1.4 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 metal and wood spray booth, identified as SB-2, during cleanup or color changes shall be directed into containers. Said containers shall be closed as soon as the solvent spraying is complete. In addition, all waste solvent shall be disposed of in such a manner that minimizes evaporation.

D.1.5 Particulate [326 IAC 6-3-2(d)]

Pursuant to 326 IAC 6-3-2(d), particulate from the wood component spray booth, identified as EU SB-1, the metal and wood spray booth, identified as EU SB-2, and the repair spray booth, identified as

EU SB-6, shall be controlled by dry particulate filters, or their equivalent, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

D.1.6 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 wood component spray booth, identified as EU SB-1, the metal and wood spray booth, identified as EU SB-2, and the repair spray booth, identified as EU SB-6, and their dry particulate filters.

**Compliance Determination Requirements**

D.1.7 Volatile Organic Compounds (VOC) [326 IAC 8-1-4] [326 IAC 8-1-2(a)]

Compliance with the VOC content and usage limitations contained in Conditions D.1.1, D.1.2, and D.1.3 shall be determined pursuant to 326 IAC 8-1-4(a)(3) and 326 IAC 8-1-2(a) by preparing or obtaining from the manufacturer the copies of the "as supplied" and "as applied" VOC data sheets (or MSDS). 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.1.8 Monitoring

The Permittee shall implement an operator-training program, consisting of the following:

(a) All operators that perform gel coat spray operations, resin spray operations, paint spray operations, chopping operations, or booth maintenance shall be trained in the proper set-up and operation of the particulate control system. All new operators shall be trained upon hiring or transfer.

(b) Training shall include proper filter alignment, filter inspection and maintenance, and trouble shooting practices. The training program shall be written and retained on site. The training program shall include a description of the methods to be used at the completion of initial and refresher training to demonstrate and document successful completion. 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, OAQ.

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

D.1.9 Record Keeping Requirements

(a) To document compliance with Conditions D.1.1 and D.1.2, 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 established in Conditions D.1.1 and D.1.2. Records necessary to demonstrate compliance shall be available within thirty (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 a 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;

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

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

(b) To document compliance with Condition D.1.3, the Permittee shall maintain records in accordance with (1) through (6) below. Records maintained for (1) through (6) shall be taken daily and shall be complete and sufficient to establish compliance with the VOC emission limits established in Condition D.1.3. Records necessary to demonstrate compliance shall be available within thirty (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 a daily basis.

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

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

(3) The volume weighted VOC content of the coatings used for each day;

(4) The cleanup solvent usage for each day;

(5) The total VOC usage for each day; and

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

(c) To document compliance with Condition D.1.8, the Permittee shall maintain a copy of the operator training program, and training records.

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

D.1.10 Reporting Requirements

A quarterly summary of the information to document compliance with Conditions D.1.1 and D.1.2 shall be submitted to the addresses 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)]: Woodworking**

(m) One (1) woodworking operation, identified as EU W-16, installed in 1973, modified in 2007, controlled by two (2) cyclones, identified as CE-21 and CE-22, and two (2) baghouses, identified as CE-16-1 and CE-16-2, nominal capacity: 11,000 pounds of wood 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 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes), the particulate emission rate from the woodworking operation, identified as EU W-16, shall not exceed 12.8 pounds per hour when operating at a process weight rate of eleven thousand (11,000) pounds per hour.

The pounds per hour limitation was calculated with 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

## SECTION D.3 FACILITY OPERATION CONDITIONS

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

(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour, consisting of fifty-five (55) boilers, with a heat input capacity of 10.15 million British thermal units per hour, total. [326 IAC 6-2-4]

(b) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-2] [326 IAC 8-3-5]

(c) Any of the following structural steel and bridge fabrication activities:

Cutting 200,000 linear feet or less of one inch (1") plate or equivalent. [326 IAC 6-3-2]

(e) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4,000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations. [326 IAC 6-3-2]

(f) Sawing, chop and band saws, small paint touch up guns of various designs. [326 IAC 6-3-2]

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

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

D.3.1 Particulate [326 IAC 6-2-4]

Pursuant to 326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating) the PM emissions from the fifty-five (55) insignificant natural gas-fired boilers, with a total heat input capacity of 10.15 million British thermal units per hour, shall not exceed 0.597 pounds of PM per million British thermal unit.

This limitation is based on the following equation:

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

Where:

Pt = Pounds of particulate matter emitted per million Btu (lb/mmBtu) heat input.

Q = Total source maximum operating capacity rating in million Btu per hour (mmBtu/hr) heat input. The maximum operating capacity rating is defined as the maximum capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used. (Q = 10.15 mmBtu/hr)

D.3.2 Particulate [326 IAC 6-3-2]

Pursuant to 326 IAC 6-3-2(e), the particulate emissions from the cutting operations of the structural steel and bridge fabrication activities, the grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal

to 4,000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations, and the sawing, chop and band saws, small paint touch up guns of various designs shall be limited by the following:

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

D.3.3 Volatile Organic Compounds (VOC) [326 IAC 8-3-2]

Pursuant to 326 IAC 8-3-2 (Cold Cleaner Operations), 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.3.4 Volatile Organic Compounds (VOC) [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 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°C) (one hundred degrees Fahrenheit (100°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°C) (one hundred degrees Fahrenheit (100°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°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°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 construction of which commenced after July 1, 1990, 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.

## SECTION E.1 NESHAP PPPP FACILITY OPERATION CONDITIONS

**NESHAP PPPP**

(a) One (1) recreational vehicle assembly line, identified as EU L-1, consisting of adhesive application, solvent wiping, caulking, and touch-up paint operations, installed in 1973, exhausting internally, nominal capacity: ten (10) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(b) One (1) recreational vehicle assembly line, identified as EU L-3, consisting of adhesive, solvent wiping, caulking and touch-up paint operations, installed in 2000, exhausting internally, with coatings applied using a spray system, brushes, wiping, and caulking guns, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(c) One (1) recreational vehicle assembly line, identified as EU L-4, consisting of adhesive application, solvent wiping, caulking, and touch-up paint operations, installed in 1974, exhausting internally, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(d) One (1) recreational vehicle assembly line, identified as EU L-5, consisting of adhesive application, solvent wiping, caulking, and touch-up paint operations, installed in 1974, exhausting internally, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(e) One (1) recreational vehicle assembly line, identified as EU L-6, consisting of adhesive application, solvent wiping, caulking, and touch-up paint operations, installed in 1987, exhausting internally, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(f) One (1) recreational vehicle assembly line, identified as EU L-10, consisting of adhesive application, solvent wiping, caulking, and touch-up paint operations, installed in 1973, exhausting internally, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(g) One (1) recreational vehicle assembly line, identified as EU L-21, consisting of adhesive, solvent wiping, caulking and touch-up paint operations, installed in 2000, exhausting internally, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(h) One (1) recreational vehicle assembly line, identified as EU L-23, consisting of adhesive application, solvent wiping, caulking, and touch-up paint operations, installed in 1974, exhausting internally, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(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**

E.1.1 General Provisions Relating to NESHAP, Subpart PPPP [326 IAC 20-1] [40 CFR Part 63, Subpart A]

Pursuant to 40 CFR 63.7565 the Permittee shall comply with the provisions 40 CFR Part 63, Subpart A – General Provisions, which are incorporated by reference as 326 IAC 20-1-1 for the eight (8) recreational vehicle assembly lines, identified as EU L-1, EU L-3, EU L-4, EU L-5, EU L-6, EU L-10,

EU L-21, and EU L-23, as specified in Table 2 of 40 CFR Part 63, Subpart PPPP in accordance with the schedule in 40 CFR 63 Subpart PPPP.

E.1.2 NESHAP, Subpart PPPP, Requirements [40 CFR Part 63, Subpart PPPP] [326 IAC 20-81]

Pursuant to 40 CFR Part 63, Subpart PPPP, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart PPPP, which are incorporated by reference as 326 IAC 20-81 for the eight (8) recreational vehicle assembly lines, identified as EU L-1, EU L-3, EU L-4, EU L-5, EU L-6, EU L-10, EU L-21, and EU L-23, as specified as follows.

### *§ 63.4480 What is the purpose of this subpart?*

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

### *§ 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.

(b) You are subject to this subpart if you own or operate a new, reconstructed, or existing affected source, as defined in §63.4482, that uses 378 liters (100 gallons (gal)) per year, or more, of coatings that contain hazardous air pollutants (HAP) in the surface coating of plastic parts and products defined in paragraph (a) of this section; and that is a major source, is located at a major source, or is part of a major source of emissions of HAP. A major source 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 §63.4581 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.

(2) You may comply with the emission limitation representing the predominant surface coating activity at your facility, as determined according to paragraphs (e)(2)(i) and (ii) of this section. However, you may not establish assembled on-road vehicle or automotive lamp coating operations as the predominant activity. You must not consider any surface coating activity that is subject to the Surface Coating of Automobiles and Light-Duty Trucks NESHAP (40 CFR part 63, subpart IIII) in determining the predominant surface coating activity at your facility.

(i) If a surface coating operation accounts for 90 percent or more of the surface coating activity at your facility (that is, the predominant activity), then compliance with the emission limitations of the predominant activity for all surface coating operations constitutes compliance with these and other applicable surface coating NESHAP. In determining predominant activity, you must include coating activities that meet the applicability criteria of other surface coating

NESHAP and constitute more than 1 percent of total coating activities at your facility. Coating activities that meet the applicability criteria of other surface coating NESHAP but comprise less than 1 percent of coating activities need not be included in the determination of predominant activity but must be included in the compliance calculation.

(ii) You must use kilogram (kg) (pound (lb)) of solids used as a measure of relative surface coating activity over a representative period of operation. You may estimate the relative mass of coating solids used from parameters other than coating consumption and mass solids content ( *e.g.,* design specifications for the parts or products coated and the number of items produced). The determination of predominant activity must accurately reflect current and projected coating operations and must be verifiable through appropriate documentation. The use of parameters other than coating consumption and mass solids content must be approved by the Administrator. You may use data for any reasonable time period of at least 1 year in determining the relative amount of coating activity, as long as they represent the way the source will continue to operate in the future and are approved by the Administrator. You must determine the predominant activity at your facility and submit the results of that determination with the initial notification required by §63.4510(b). You must also determine predominant activity annually and include the determination in the next semi-annual compliance report required by §63.4520(a).

[69 FR 20990, Apr. 19, 2004, as amended at 69 FR 22660, April 26, 2004; 71 FR 76927, Dec. 22, 2006]

### *§ 63.4482 What parts of my plant does this subpart cover?*

(a) This subpart applies to each new, reconstructed, and existing affected source within each of the four subcategories listed in §63.4481(a).

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

(1) All coating operations as defined in §63.4581;

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

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

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

(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.

(d) You must meet the notification requirements in §63.4510 according to the dates specified in that section and in subpart A of this part. Some of the notifications must be submitted before the compliance dates described in paragraphs (a) through (c) of this section.

### *§ 63.4490 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.

(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.

(1) If the general use or TPO surface coating operations subject to only one of the emission limits specified in paragraphs (a)(1), (a)(3), (b)(1), or (b)(3) of this section account for 90 percent or more of the surface coating activity at your facility ( *i.e.,* it is the predominant activity at your facility), then compliance with that emission limitation for all surface coating operations constitutes compliance with the other applicable emission limitations. You must use kg (lb) of solids used as a measure of relative surface coating activity over a representative period of operation. You may estimate the relative mass of coating solids used from parameters other than coating consumption and mass solids content ( *e.g.,* design specifications for the parts or products coated and the number of items produced). The determination of predominant activity must accurately reflect current and projected coating operations and must be verifiable through appropriate documentation. The use of parameters other than coating consumption and mass solids content must be approved by the Administrator. You may use data for any reasonable time period of at least 1 year in determining the relative amount of coating activity, as long as they represent the way the source will continue to operate in the future and are approved by the Administrator. You must determine the predominant activity at your facility and submit the results of that determination with the initial notification required by §63.4510(b). Additionally, you must determine the facility's predominant activity annually and include the determination in the next semi-annual compliance report required by §63.4520(a).

### *§ 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.

(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.

### *§ 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.

### *§ 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. For an existing affected source, you must submit the initial notification no later than 1 year after April 19, 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 §63.4481(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.

(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.

(10) If you are complying with a single emission limit representing the predominant activity under §63.4490(c)(1), include the calculations and supporting information used to demonstrate that this emission limit represents the predominant activity as specified in §63.4490(c)(1).

[69 FR 20990, Apr. 19, 2004, as amended at 69 FR 22661, Apr. 26, 2004]

### *§ 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.

(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. If you are using the predominant activity alternative under §63.4490(c), you must keep records of the data and calculations used to determine the predominant activity. If you are using the facility-specific emission limit alternative under §63.4490(c), you must keep records of the data used to calculate the facility-specific emission limit for the initial compliance demonstration. You must also keep records of any data used in each annual predominant activity determination and in the calculation of the facility-specific emission limit for each 12-month compliance period included in the semi-annual compliance reports.

(b) A current copy of information provided by materials suppliers or manufacturers, such as manufacturer's formulation data, or test data used to determine the mass fraction of organic HAP and density for each coating, thinner and/or other additive, and cleaning material, and the 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.

(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.

### *§ 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 conduct a separate initial compliance demonstration for each general use coating, TPO coating, automotive lamp coating, and assembled on-road vehicle coating affected source unless you are demonstrating compliance with a predominant activity or facility-specific emission limit as provided in §63.4490(c). If you are demonstrating compliance with a predominant activity or facility-specific emission limit as provided in §63.4490(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. 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. If you are complying with a facility-specific emission limit under §63.4490(c), you must also perform the calculation using Equation 1 in §63.4490(c)(2) on a monthly basis using the data from the previous 12 months of operation.

(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.

### *§ 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 conduct a separate initial compliance demonstration for each general use, TPO, automotive lamp, and assembled on-road vehicle coating operation unless you are demonstrating compliance with a predominant activity or facility-specific emission limit as provided in §63.4490(c). If you are demonstrating compliance with a predominant activity or facility-specific emission limit as provided in §63.4490(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 §63.4541(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:

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

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

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

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

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

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:

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

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 or the predominant activity or facility-specific emission limit allowed in §63.4490(c). 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. If you are complying with a facility-specific emission limit under §63.4490(c), you must also perform the calculation using Equation 1 in §63.4490(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 §63.4490, 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.

### *§ 63.4580 Who implements and enforces this subpart?*

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

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

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

(1) Approval of alternatives to the requirements in §§63.4481 through 4483 and §§63.4490 through 4493.

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

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

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

### *§ 63.4581 What definitions apply to this subpart?*

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

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

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

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

*Assembled on-road vehicle coating* means any coating operation in which coating is applied to the surface of some component or surface of a fully assembled motor vehicle or trailer intended for on-road use including, but not limited to, components or surfaces on automobiles and light-duty trucks that have been repaired after a collision or otherwise repainted, fleet delivery trucks, and motor homes and other recreational vehicles (including camping trailers and fifth wheels). Assembled on-road vehicle coating includes the concurrent coating of parts of the assembled on-road vehicle that are painted off-vehicle to protect systems, equipment, or to allow full coverage. Assembled on-road vehicle coating does not include surface coating operations that meet the applicability criteria of the Automobiles and Light-Duty Trucks NESHAP. Assembled on-road vehicle coating also does not include the use of adhesives, sealants, and caulks used in assembling on-road vehicles.

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

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

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

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

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

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

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

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

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

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

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

(1) Fails to meet any requirement or obligation established by this subpart including but not limited to, any emission limit or operating limit or work practice standard;

(2) Fails to meet any term or condition that is adopted to implement an applicable requirement in this subpart and that is included in the operating permit for any affected source required to obtain such a permit; or

(3) Fails to meet any emission limit, or operating limit, or work practice standard in this subpart during startup, shutdown, or malfunction, regardless of whether or not such failure is permitted by this subpart.

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

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

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

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

*General use coating* means any coating operation that is not an automotive lamp, TPO, or assembled on-road vehicle coating operation.

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

*Manufacturer's formulation data* means data on a material (such as a coating) that are supplied by the material manufacturer based on knowledge of the ingredients used to manufacture that material, rather than based on testing of the material with the test methods specified in §63.4541. Manufacturer's formulation data may include, but are not limited to, information on density, organic HAP content, volatile organic matter content, and coating solids content.

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

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

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

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

*Organic HAP content* means the mass of organic HAP emitted per mass of coating solids used for a coating calculated using Equation 1 of §63.4541. The organic HAP content is determined for the coating in the condition it is in when received from its manufacturer or supplier and does not account for any alteration after receipt. For reactive adhesives in which some of the HAP react to form solids and are not emitted to the atmosphere, organic HAP content is the mass of organic HAP that is emitted, rather than the organic HAP content of the coating as it is received.

*Permanent total enclosure (PTE)* means a permanently installed enclosure that meets the criteria of Method 204 of appendix M, 40 CFR part 51, for a PTE and that directs all the exhaust gases from the enclosure to an add-on control device.

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

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

*Protective oil* means an organic material that is applied to metal for the purpose of providing lubrication or protection from corrosion without forming a solid film. This definition of protective oil includes, but is not limited to, lubricating oils, evaporative oils (including those that evaporate completely), and extrusion oils.

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

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

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

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

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

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

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

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

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

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

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

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

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

### *Table 2 to Subpart PPPP of Part 63—Applicability of General Provisions to Subpart PPPP of Part 63*

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

| Citation | Subject | Applicable to subpart PPPP | Explanation |
|---|---|---|---|
| §63.1(a)(1)–(14) | General Applicability | Yes. | |
| §63.1(b)(1)–(3) | Initial Applicability Determination | Yes | Applicability to subpart PPPP is also specified in §63.4481. |
| §63.1(c)(1) | Applicability After Standard Established | Yes. | |
| §63.1(c)(2)–(3) | Applicability of Permit Program for Area Sources | No | Area sources are not subject to subpart PPPP. |
| §63.1(c)(4)–(5) | Extensions and Notifications | Yes. | |
| §63.1(e) | Applicability of Permit Program Before Relevant Standard is Set | Yes. | |
| §63.2 | Definitions | Yes | Additional definitions are specified in §63.4581. |

| | | | |
|---|---|---|---|
| §63.3(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. |
| §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 standards. 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 standards. |
| §63.7(f) | Performance Test Requirements—Use Alternative Test Method | Yes | Applies to all test methods except those of 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 standards. |
| §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 standards. 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 | Section 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 | Section 63.4520 requires reporting of CMS out-of-control periods. |
| §63.8(d)–(e) | Quality Control Program and CMS Performance Evaluation | No | Subpart PPPP does not require the use of continuous emissions monitoring systems. |
| §63.8(f)(1)–(5) | Use of an Alternative Monitoring Method | Yes. | |
| §63.8(f)(6) | Alternative to Relative Accuracy Test | No | Subpart PPPP does not require the use of continuous emissions monitoring systems. |
| §63.8(g)(1)–(5) | Data Reduction | No | Sections 63.4567 and 63.4568 specify monitoring data reduction. |
| §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 standards. |
| §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 standards. |
| §63.10(b)(2)(vi)–(xi) | | Yes. | |
| §63.10(b)(2)(xii) | Records | Yes. | |
| §63.10(b)(2)(xiii) | | No | Subpart PPPP does not require the use of continuous emissions monitoring systems. |
| §63.10(b)(2)(xiv) | | Yes. | |
| §63.10(b)(3) | Recordkeeping Requirements for Applicability Determinations | Yes. | |
| §63.10(c)(1)–(6) | Additional Recordkeeping Requirements for Sources with CMS | Yes | |
| §63.10(c)(7)–(8) | | No | The same records are required in §63.4520(a)(7). |
| §63.10(c)(9)–(15) | | Yes. | |
| §63.10(d)(1) | General Reporting Requirements | Yes | Additional requirements are specified in §63.4520. |
| §63.10(d)(2) | Report of Performance Test Results | Yes | Additional requirements are specified in §63.4520(b). |
| §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 standards. |
| §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 | 1.0 | Toluene. |
| 2. Xylene(s) | 1330–20–7 | 1.0 | Xylenes, ethylbenzene. |
| 3. Hexane | 110–54–3 | 0.5 | n-hexane. |
| 4. n-Hexane | 110–54–3 | 1.0 | n-hexane. |
| 5. Ethylbenzene | 100–41–4 | 1.0 | Ethylbenzene. |
| 6. Aliphatic 140 | | 0 | None. |
| 7. Aromatic 100 | | 0.02 | 1% xylene, 1% cumene. |
| 8. Aromatic 150 | | 0.09 | Naphthalene. |
| 9. Aromatic naphtha | 64742–95–6 | 0.02 | 1% xylene, 1% cumene. |
| 10. Aromatic solvent | 64742–94–5 | 0.1 | Naphthalene. |
| 11. Exempt mineral spirits | 8032–32–4 | 0 | None. |
| 12. Ligroines (VM & P) | 8032–32–4 | 0 | None. |
| 13. Lactol spirits | 64742–89–6 | 0.15 | Toluene. |
| 14. Low aromatic white spirit | 64742–82–1 | 0 | None. |
| 15. Mineral spirits | 64742–88–7 | 0.01 | Xylenes. |
| 16. Hydrotreated naphtha | 64742–48–9 | 0 | None. |
| 17. Hydrotreated light distillate | 64742–47–8 | 0.001 | Toluene. |
| 18. Stoddard solvent | 8052–41–3 | 0.01 | Xylenes. |
| 19. Super high-flash naphtha | 64742–95–6 | 0.05 | Xylenes. |
| 20. Varsol®solvent | 8052–49–3 | 0.01 | 0.5% xylenes, 0.5% ethylbenzene. |
| 21. VM & P naphtha | 64742–89–8 | 0.06 | 3% toluene, 3% xylene. |
| 22. Petroleum distillate mixture | 68477–31–6 | 0.08 | 4% naphthalene, 4% biphenyl. |

# INDIANA DEPARTMENT OF ENVIRONMENTAL MANAGEMENT
# OFFICE OF AIR QUALITY

## PART 70 OPERATING PERMIT
## CERTIFICATION

Source Name: Jayco, Inc.
Source Address: 903 South Main Street, Middlebury, Indiana 46540
Mailing Address: 903 South Main Street, Middlebury, Indiana 46540
Part 70 Permit No.: T 039-18088-00265

**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: Jayco, Inc.
Source Address: 903 South Main Street, Middlebury, Indiana 46540
Mailing Address: 903 South Main Street, Middlebury, Indiana 46540
Part 70 Permit No.: T 039-18088-00265

**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<br>Describe: |
| Type of Pollutants Emitted: TSP, PM-10, $SO_2$, VOC, $NO_X$, CO, Pb, other: |
| Estimated amount of pollutant(s) emitted during emergency: |
| Describe the steps taken to mitigate the problem: |
| Describe the corrective actions/response steps taken: |
| Describe the measures taken to minimize emissions: |
| If applicable, describe the reasons why continued operation of the facilities are necessary to prevent imminent injury to persons, severe damage to equipment, substantial loss of capital investment, or loss of product or raw materials of substantial economic value: |

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

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

**Part 70 Usage Report**
(Submit Report Quarterly)

Source Name: Jayco, Inc.
Source Address: 903 South Main Street, Middlebury, Indiana 46540
Mailing Address: 903 South Main Street, Middlebury, Indiana 46540
Part 70 Permit No.: T 039-18088-00265
Facilities: Two (2) recreational vehicle assembly lines, identified as EU L-3 and EU L-21
Parameter: VOC Usage
Limit: Less than fifteen (15) pounds per day, each, when coating metal.

**Month:** _____ **Year:** _____

| Day | L-3 VOC Usage (lbs) | L-21 VOC Usage (lbs) | Day | L-3 VOC Usage (lbs) | L-21 VOC Usage (lbs) |
|---|---|---|---|---|---|
| 1 | | | 17 | | |
| 2 | | | 18 | | |
| 3 | | | 19 | | |
| 4 | | | 20 | | |
| 5 | | | 21 | | |
| 6 | | | 22 | | |
| 7 | | | 23 | | |
| 8 | | | 24 | | |
| 9 | | | 25 | | |
| 10 | | | 26 | | |
| 11 | | | 27 | | |
| 12 | | | 28 | | |
| 13 | | | 29 | | |
| 14 | | | 30 | | |
| 15 | | | 31 | | |
| 16 | | | | | |

☐ No deviation occurred in this month.

☐ Deviation/s occurred in this month.
Deviation has been reported on: _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

### Part 70 Quarterly Report

Source Name: Jayco, Inc.
Source Address: 903 South Main Street, Middlebury, Indiana 46540
Mailing Address: 903 South Main Street, Middlebury, Indiana 46540
Part 70 Permit No.: T 039-18088-00265
Facilities: All Surface Coating Facilities
Parameter: VOC Usage
Limit: Less than two hundred forty-five (245) tons per twelve (12) consecutive month period, each, with compliance determined at the end of each month.

QUARTER: _____ YEAR: _____

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

☐ No deviation occurred in this month.

☐ Deviation/s occurred in this month.
Deviation has been reported on: _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report

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

**Part 70 Quarterly Report**

Source Name: Jayco, Inc.
Source Address: 903 South Main Street, Middlebury, Indiana 46540
Mailing Address: 903 South Main Street, Middlebury, Indiana 46540
Part 70 Permit No.: T 039-18088-00265
Facilities: Two (2) recreational vehicle assembly lines, identified as EU L-6 and EU L-21
Parameter: VOC Usage
Limit: Less than twenty-five (25.0) tons per twelve (12) consecutive month period, each, with compliance determined at the end of each month when coating plastic parts and products.

QUARTER: _____ YEAR: _____

| Month | VOC Usage (tons) | | VOC Usage (tons) | | VOC Usage (tons) | |
|---|---|---|---|---|---|---|
| | This Month | | Previous 11 Months | | 12 Month Total | |
| | L-6 | L-21 | L-6 | L-21 | L-6 | L-21 |
| | | | | | | |
| | | | | | | |
| | | | | | | |

☐ No deviation occurred in this month.

☐ Deviation/s occurred in this month.
Deviation has been reported on: _____

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

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

Source Name: Jayco, Inc.
Source Address: 903 South Main Street, Middlebury, Indiana 46540
Mailing Address: 903 South Main Street, Middlebury, Indiana 46540
Part 70 Permit No.: T 039-18088-00265

**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

Addendum to the
Technical Support Document for a Part 70 Operating Permit Renewal

| | |
|---|---|
| Source Name: | Jayco, Inc. |
| Source Location: | 903 South Main Street, Middlebury, Indiana 46540 |
| County: | Elkhart |
| SIC Code: | 3792 |
| Operation Permit No.: | T039-18088-00265 |
| Permit Reviewer: | Stephanie Wilkerson |

On November 16, 2007, the Office of Air Quality (OAQ) had a notice published in the Elkhart Truth in Elkhart, Indiana, stating that Jayco, Inc. had applied for a Part 70 Operating Permit renewal for a recreational vehicle manufacturing source. The notice also stated that OAQ proposed to issue a permit renewal for this operation and provided information on how the public could review the proposed permit renewal and other documentation. Finally, the notice informed interested parties that there was a period of thirty (30) days to provide comments on whether or not this permit renewal should be issued as proposed.

Comments on the proposed Part 70 permit renewal were received on December 18, 2007 from Kathy Moore, of Keramida Environmental, Inc., representing Jayco, Inc.

Changes to the permit are noted as follows: ~~struck~~ language has been deleted; **bold** language has been added. The Table of Contents has been modified to reflect these changes.

***Comment 1: Permit Condition B.8***

The source requests that the words "or its equivalent" be added to permit Condition B.8(b) to allow for an equivalent means of certifying appropriate submissions to IDEM.

***Response1: Permit Condition B.8***

The permit shall be changed as follows:

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

...

(b) One (1) certification shall be included, using the attached Certification Form **or its equivalent**, with each submittal requiring certification. One (1) certification may cover multiple forms in one (1) submittal.

...

***Comment 2: Permit Condition B.9***

The source requests that the words "annual compliance" be added to permit Condition B.9(a) for clarification on annual reporting requirements.

***Response 2: Permit Condition B.9***

The permit shall be changed as follows:

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 **annual compliance** 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:

...

***Comment 3: Permit Condition B.10***

The source requests that the words "by job title" be added to clarify how individuals are identified in permit Condition B.10(a)(1).

***Response 3: Permit Condition B.10***

Permit Condition B.10(a)(1), as written, does not require or imply a particular method for the identification of individuals responsible for inspecting, maintaining, and repairing emission control devices in regards to Preventive Maintenance Plans. Therefore, the source may choose how it wishes to identify the individuals responsible for the aforementioned duties, including by job title. The permit condition stands as written.

***Comment 4: Permit Condition B.11***

The source requests that, in the event of an emergency (326 IAC 2-7-1(12)), it is only required to submit the proper notifications to either IDEM's main office or the Northern Regional Office. Please change "and" to "or" in permit Conditions B.11(b)(4) and B.11(b)(5).

***Response 4: Permit Condition B.11***

Because the source may fall into a situation where the inspector is not based out of the Regional Office, it is important for the verbal or facsimile notification in B.11(b)(4) to be made to both offices. However, it is not necessary to send the Emergency Occurrence Report (Condition B.11(b)(5) to both offices; sending this to the main IDEM, OAQ, Office is sufficient.

The permit shall be changed as follows:

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

...

(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 and the Northern Regional Office 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

Northern Regional Office phone: 574-245-4870; fax: 574-245-4877

(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

~~and~~

~~Northern Regional Office~~
~~220 W. Colfax Avenue, Suite 200~~
~~South Bend, Indiana 46601-1634~~

...

***Comment 5: Permit Condition B.11***

The source requests the addition of the phrase "in a reasonable time" to permit Condition B.11(e) referencing a potential time-frame for providing information to IDEM upon the Agency's request.

***Comment 5: Permit Condition B.11***

Because of the ambiguity of the phrase "in a reasonable time", this will not be added to the permit. Each situation in which these records are requested may have different timing requirements, and it is presumed that the Agency will allow a reasonable amount of time for the Permittee to gather all appropriate records for review. Therefore, the condition stands as written.

***Comment 6: Permit Condition B.13***

The source requests the removal of "Provided that all terms and conditions are accurately reflected in this permit" be removed from permit Condition B.13(b).

***Response 6: Permit Condition B.13***

While every effort is made to ensure the quality and content of all permits issued by IDEM, it is unreasonable to think that mistakes cannot be made. The standard language for this section provides no burden on the Permittee, and thus, remains as written.

# 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:** | Jayco, Inc. |
| **Source Location:** | 903 South Main Street, Middlebury, Indiana 46540 |
| **County:** | Elkhart |
| **SIC Code:** | 3792 |
| **Permit Renewal No.:** | T 039-18088-00265 |
| **Permit Reviewer:** | Michael A. Morrone/MES |

The Office of Air Quality (OAQ) has reviewed the operating permit renewal application from Jayco, Inc. relating to the operation of a recreational vehicle manufacturing source.

### History

On October 22, 2003, Jayco, Inc. submitted an application to the OAQ requesting to renew its operating permit. Jayco, Inc. was issued a Part 70 Operating Permit (T 039-5080-00265) on June 30, 1999.

Jayco, Inc. filed an appeal to T 039-5080-00265 on July 28, 1999. Appeal Resolution 039-17763-00265 was combined into this Title V Renewal on October 2, 2007. In a joint motion for stay and continuance, issued on September 13, 1999, Jayco, Inc. and IDEM, OAQ agreed that certain agreed upon conditions would remain in effect as long as the requested stay remains in effect.

### Permitted Emission Units and Pollution Control Equipment

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

(a) One (1) recreational vehicle assembly line, identified as EU L-1, consisting of adhesive application, solvent wiping, caulking, and touch-up paint operations, installed in 1973, exhausting internally, nominal capacity: ten (10) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(b) One (1) recreational vehicle assembly line, identified as EU L-3, consisting of adhesive, solvent wiping, caulking and touch-up paint operations, installed in 2000, exhausting internally, with coatings applied using a spray system, brushes, wiping, and caulking guns, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(c) One (1) recreational vehicle assembly line, identified as EU L-4, consisting of adhesive application, solvent wiping, caulking, and touch-up paint operations, installed in 1974, exhausting internally, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(d) One (1) recreational vehicle assembly line, identified as EU L-5, consisting of adhesive application, solvent wiping, caulking, and touch-up paint operations, installed in 1974, exhausting internally, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(e) One (1) recreational vehicle assembly line, identified as EU L-6, consisting of adhesive application, solvent wiping, caulking, and touch-up paint operations, installed in 1987, exhausting internally, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(f) One (1) recreational vehicle assembly line, identified as EU L-10, consisting of adhesive application, solvent wiping, caulking, and touch-up paint operations, installed in 1973, exhausting internally, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(g) One (1) recreational vehicle assembly line, identified as EU L-21, consisting of adhesive, solvent wiping, caulking and touch-up paint operations, installed in 2000, exhausting internally, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(h) One (1) recreational vehicle assembly line, identified as EU L-23, consisting of adhesive application, solvent wiping, caulking, and touch-up paint operations, installed in 1974, exhausting internally, nominal capacity: four (4) recreational vehicles per hour. Under NESHAP 40 CFR 63, Subpart PPPP, this is considered a plastic parts and products coating facility.

(i) One (1) wood component spray booth, identified as EU SB-1, using conventional spray equipment, equipped with dry filters, installed in 1992, exhausting to Vent P16-1, nominal capacity: 2.08 wood components per hour.

(j) One (1) metal and wood spray booth, identified as EU SB-2, using air assisted, airless, and conventional spray equipment, equipped with dry filters, installed in 1973, exhausting to Vents P4-1 and P4-2, nominal capacity: 6.00 metal and wood parts per day.

(k) One (1) repair spray booth identified as EU SB-6, installed in 1998, equipped with dry filters, exhausting to Vent P10-1, nominal capacity: 12.0 repair units per day.

(l) One (1) lamination operation, identified as lamination, installed in 1973, exhausting internally, nominal capacity: 12.5 units per hour.

(m) One (1) woodworking operation, identified as EU W-16, installed in 1973, modified in 2007, controlled by two (2) cyclones, identified as CE-21 and CE-22, and two (2) baghouses, identified as CE-16-1 and CE-16-2, nominal capacity: 11,000 pounds of wood per hour.

**Emission Units and Pollution Control Equipment Constructed and/or Operated without a Permit**

There are no emission units or pollution control equipment that have been constructed and/or operated without a permit.

**Emission Units and Pollution Control Equipment Removed From the Source**

(a) One (1) wood component spray booth, identified as EU SB-3, using conventional spray equipment, equipped with dry filters, installed in 1973, exhausting to Vent P4-3, nominal capacity: 12.5 wood components per hour.

(b) One (1) recreational vehicle assembly line, identified as EU L-8, installed in 1976 exhausted internally, includes adhesive application, solvent wiping, caulking, and touch-up paint operations, nominal capacity: 4 recreational vehicles per hour.

(c) One (1) repair spray booth, identified as SB-7, to be installed in 1998, exhausted to P41-1, equipped with dry filter control, nominal capacity to support assembly line production.

(d) One (1) adhesive on wood application area, identified as EU SB-5, installed in 1976, using air atomized spray equipment, exhausting internally, nominal capacity: 4.17 wood pieces per hour.

(e) One (1) wood component dip tank, identified as EU DB-4, installed in 1973, exhausting to Vent P4-4, nominal capacity: 12.5 wood components per hour.

**Emission Units Permitted but Never Installed**

(a) One (1) MIG welding station, with a maximum wire/metal consumption rate of forty (40) pounds per hour and exhausting to the atmosphere.

(b) One (1) woodworking operation, with a maximum capacity of 12,000 pounds per hour, located in the existing Mill Room designated as EUW-16 consisting of various saws, routers, and milling equipment, controlled by one (1) baghouse designated as CE-16-2 with a design grain loading of 0.01 gr/dscf and an exhaust flow rate of less than 40,000 cubic feet per minute, exhausting to Stack W-16-2.

**Insignificant Activities**

(a) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour, consisting of fifty-five (55) boilers, all constructed after September 21, 1983, with a combined heat input capacity of 10.15 million British thermal units per hour, total. [326 IAC 6-2-4]

(b) A gasoline fuel transfer and dispensing operation handling less than or equal to 1,300 gallons per day, such as filling of tanks, locomotives, automobiles, having a storage capacity less than or equal to 10,500 gallons, including the following storage tanks:

(1) One (1) gasoline storage tank, installed in 2004, capacity: 500 gallons.

(2) One (1) gasoline storage tank in a vault, installed in 1999, capacity: 10,000 gallons.

(c) A petroleum fuel, other than gasoline, dispensing facility, having a storage capacity of less than or equal to 10,500 gallons, and dispensing less than or equal to 230,000 gallons per month, including the following storage tanks:

(1) One (1) liquid petroleum storage tank, capacity: 10,000 gallons.

(2) Three (3) liquid petroleum storage tanks, capacity: 1,000 gallons, each.

(d) Vessels storing lubricating oil, hydraulic oils, machining oils, and machining fluids.

(e) Application of oils, greases lubricants or other nonvolatile materials applied as temporary protective coatings.

(f) Machining where an aqueous cutting coolant continuously floods the machining interface.

(g) Degreasing operations that do not exceed 145 gallons per 12 months, except if subject to 326 IAC 20-6. [326 IAC 8-3-5] [326 IAC 8-3-2]

(h) Cleaners and solvents characterized as follows:

(1) having a vapor pressure equal to or less than 2 kilopascals; 15 millimeters of mercury; or 0.3 pounds per square inch measured at 38EC (100EF) or;

(2) having a vapor pressure equal to or less than 0.7 kilopascals; 5 millimeters of mercury; or 0.1 pounds per square inch measured at 20EC (68EF); the use of which for all cleaners and solvents combined does not exceed 145 gallons per 12 months.

(i) The following equipment related to manufacturing activities not resulting in the emission of HAPs: cutting torches cutting less than three thousand four hundred (3,400) inches per hour of stock one (1) inch thickness metal.

(j) Closed loop heating and cooling systems.

(k) Infrared cure equipment.

(l) Any of the following structural steel and bridge fabrication activities:

(1) Cutting 200,000 linear feet or less of one inch (1") plate or equivalent. [326 IAC 6-3-2]

(2) Using 80 tons or less of welding consumables.

(m) Solvent recycling systems with batch capacity less than or equal to 100 gallons.

(n) Any operation using aqueous solutions containing less than 1 percent by weight of VOCs excluding HAPs.

(o) Water based adhesives that are less than or equal to 5 percent by volume of VOCs excluding HAPs.

(p) Replacement or repair of electrostatic precipitators, bags in baghouses and filters in other air filtration equipment.

(q) Paved and unpaved roads and parking lots with public access. [326 IAC 6-4]

(r) Blowdown for any of the following: sight glass; boiler; compressors; pumps; and cooling tower.

(s) Emergency generators as follows:

(1) Gasoline generators not exceeding 110 horsepower.

(2) Diesel generators not exceeding 1,600 horsepower.

(3) Natural gas turbines or reciprocating engines not exceeding 16,000 horsepower.

(t) Grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or

equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4,000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations. [326 IAC 6-3-2]

(u) Sawing, chop and band saws, small paint touch up guns of various designs. [326 IAC 6-3-2]

**Existing Approvals**

Since the issuance of the **Part 70 Operating Permit T 089-5080-00265** on June 30, 1999, the source has constructed or has been operating under the following approvals as well:

(a) Administrative Amendment 039-11383-00265, issued on December 3, 1999,

(b) Minor Source Modification 039-12099-00265, issued on May 11, 2000,

(c) Administrative Amendment 039-12165-00265, issued on May 12, 2000,

(d) Minor Permit Modification 039-12471-00265, issued on August 1, 2000,

(e) Reopening 039-13245-00265, issued on January 29, 2002,

(f) Administrative Amendment 039-17961-00265, issued on September 10, 2003,

(g) Administrative Amendment 039-18765-00265, issued on March 30, 2004,

(h) Administrative Amendment 039-19552-00265, issued on August 18, 2004, and

(i) Administrative Amendment 039-25281-00265, issued on October 23, 2007.

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 revised in this **Part 70 Operating Permit Renewal**:

(a) Conditions D.1.3 and D.2.7 from Minor Permit Modification 039-12471-00265, issued on August 1, 2000:

D.1.3 Particulate Matter (PM) [326 IAC 6-3-2(c)]

(a) The PM from the seven (7) assembly lines (EU L-1, L-4, L-5, L-6, L-8, L-22, & L-23) shall not exceed the pound per hour emission rate established as E in the following formula:

Interpolation of the data for the process weight rate up to 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.

Or

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

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour.

(b) The PM from the four (4) spray booths, one (1) dip booth and one (1) lamination booth (EU SB-1, SB-2, SB-3, DB-4, SB-5 & Lamination) shall not exceed the pound per hour emission rate established as E in the following formula:

Interpolation of the data for the process weight rate up to 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.

Or

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

$E = 55.0\ P^{0.11} - 40$ where E = rate of emission in pounds per hour; and
P = process weight rate in tons per hour.

D.2.7 Particulate Matter (PM) [326 IAC 6-3-2(c)]

The PM from the two (2) spray booths (EU SB-6 and EU SB-7) shall not exceed the pound per hour emission rate established as E in the following formula:

Interpolation of the data for the process weight rate up to 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.

Reason revised:

The 326 IAC 6-3 revisions that became effective on June 12, 2002 were approved into the State Implementation Plan on September 23, 2005. These rules replace the previous version of 326 IAC 6-3 (Process Operations); therefore, the requirements of the previous version of 326 IAC 6-3-2 are no longer applicable to this source. Only the one (1) woodworking area and the saws that are part of the one (1) travel trailer finishing line are subject to 326 IAC 6-3-2. Pursuant to 326 IAC 6-3-2 (e)(2), the allowable PM emissions for facilities with process weight rates less than one hundred (100) pounds per hour is 0.551 pounds per hour. Condition D.1.4 in the current permit addresses this rule for the one (1) woodworking area and the saws that are part of the one (1) travel trailer finishing line.

**Enforcement Issue**

There are no enforcement actions pending.

**Stack Summary**

There are no stacks in operation at the source.

**Emission Calculations**

See Appendix A 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 |
| $NO_X$ | attainment |
| 8-hour Ozone | attainment |
| CO | attainment |
| Lead | attainment |

Note: On September 6, 2007 the Indiana Air Pollution Control Board finalized a temporary emergency rule to redesignate Allen, Clark, Elkhart, Floyd, LaPorte, and St. Joseph counties as attainment for the 8-hour ozone standard.

(a) Elkhart County has been classified as unclassifiable or attainment for $PM_{2.5}$. U.S. EPA has not yet established the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2 for $PM_{2.5}$ emissions. Therefore, until the U.S. EPA adopts specific provisions for PSD review for $PM_{2.5}$ emissions, it has directed states to regulate $PM_{10}$ emissions as a surrogate for $PM_{2.5}$ emissions. See the State Rule Applicability – Entire Source section.

(b) Volatile organic compounds (VOC) and nitrogen oxides ($NO_X$) are regulated under the Clean Air Act (CAA) for the purposes of attaining and maintaining the National Ambient Air Quality Standards (NAAQS) for ozone. Therefore, VOC emissions and $NO_X$ emissions are considered when evaluating the rule applicability relating to ozone. Elkhart County has been designated as attainment or unclassifiable for ozone. Therefore, VOC emissions and $NO_X$ emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.

(c) Elkhart County has been classified as attainment or unclassifiable in Indiana for $PM_{10}$, $SO_2$, $NO_X$, CO, and Lead. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire 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.

(e) Fugitive Emissions
Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-2 and since there are no applicable New Source Performance Standards that were in effect on August 7, 1980, the fugitive emissions are not counted toward determination of PSD applicability.

**Unrestricted Potential Emissions**

This table reflects the unrestricted potential emissions of the source.

| Pollutant | tons/year |
|---|---|
| PM | 65.3 |
| $PM_{10}$ | 65.3 |
| $SO_2$ | 3.00 |
| VOC | 313 |
| CO | 6.79 |
| $NO_X$ | 15.5 |

| HAPs | tons/year |
|---|---|
| Toluene | 83.0 |
| Hexane | 71.4 |
| Xylene | 6.79 |
| Ethylbenzene | 2.71 |
| Methylene Chloride | 2.35 |
| MIBK | 0.118 |
| Formaldehyde | 0.004 |
| Benzene, Dichlorobenzene, Lead, Cadmium, Chromium, Manganese, Nickel | Less than or equal to 0.001 |
| Total | 169 |

(a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of VOC is equal to or greater than one hundred (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 one hundred (<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.

Fugitive Emissions

Since this type of operation is not one of the twenty-eight (28) listed source categories under 326 IAC 2-7, fugitive emissions are not counted toward the determination of Part 70 applicability.

**Actual Emissions**

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

| Pollutant | Actual Emissions (tons/year) |
|---|---|
| PM | not reported |
| $PM_{10}$ | not reported |
| $SO_2$ | not reported |
| VOC | 67.0 |
| CO | not reported |
| $NO_X$ | not reported |
| HAP | not reported |

**Part 70 Permit Conditions**

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

(a) Emission limitations and standards, including those operational requirements and limitations that assure compliance with all applicable requirements at the time of issuance of Part 70 permits.

(b) Monitoring and related record keeping requirements which assume 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** |
| EU L-1 | - | - | - | Less than 245 | - | - | 2.00 single (Hexane); 2.83 total |
| EU L-3 | - | - | - | | - | - | 3.92 single (Toluene); 7.71 total |
| EU L-4 | - | - | - | | - | - | 42.7 single (Toluene); 55.2 total |
| EU L-5 | - | - | - | | - | - | 6.18 single (Hexane); 9.13 total |
| EU L-6 | - | - | - | | - | - | 7.75 single (Hexane); 13.1 total |
| EU L-10 | - | - | - | | - | - | 1.60 single (Hexane); 2.27 total |
| EU L-21 | - | - | - | | - | - | 7.75 single (Hexane); 13.1 total |
| EU L-23 | - | - | - | | - | - | 4.59 single (Toluene); 5.93 total |
| EU SB-1 | 0.121 | 0.121 | - | | - | - | - |
| EU SB-2 | 0.424 | 0.424 | - | | - | - | 2.19 single (Xylene); 2.73 total |
| | | | - | | - | - | |
| EU SB-6 | 0.137 | 0.137 | - | | - | - | - |
| Lamination | - | - | - | | - | - | 2.32 single (Methylene Chloride); 2.43 total |
| EU W-16 | 46.7 | 46.7 | - | - | - | - | - |
| ***Insignificant Activities*** | | | | | | | |
| Natural gas-fired combustion | 0.084 | 0.338 | 0.027 | 0.245 | 3.73 | 4.45 | 0.080 single (Hexane); 0.084 total |
| Emergency Diesel Generator | 0.280 | 0.280 | 1.62 | 0.282 | 2.20 | 9.60 | - |
| Emergency Natural Gas Generator | 0.019 | 0.077 | 0.006 | 0.056 | 0.855 | 1.42 | 0.018 single (Hexane); 0.019 total |
| Other Activities | 4.62 | 4.30 | 1.35 | 4.42 | - | - | 2.92 |

| | Potential to Emit (tons/year) | | | | | | |
|---|---|---|---|---|---|---|---|
| **Process/Emission Unit** | **PM** | **$PM_{10}$** | **$SO_2$** | **VOC** | **CO** | **$NO_X$** | **HAPs** |
| **Total** | **52.4** | **52.4** | **3.00** | **Less than 250** | **6.79** | **15.5** | **62.9 single (Toluene); 117 total** |
| **Major Source Threshold** | **250** | **250** | **250** | **250** | **250** | **250** | **-** |

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

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

**Federal Rule Applicability**

(a) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to a pollutant-specific emission unit that meets the following criteria:

(1) has a potential to emit before controls equal to or greater than the major source threshold for the pollutant involved;

(2) is subject to an emission limitation or standard for that pollutant; and

(3) uses a control device, as defined in 40 CFR 64.1, to comply with that emission limitation or standard.

The following table is used to identify the applicability of each of the criteria, under 40 CFR 64.1, to each existing emission unit and specified pollutant subject to CAM:

| Emission Unit / Pollutant | Control Device Used | Emission Limitation (Y/N) | Uncontrolled PTE (tons/year) | Controlled PTE (tons/year) | Major Source Threshold (tons/year) | CAM Applicable (Y/N) | Large Unit (Y/N) |
|---|---|---|---|---|---|---|---|
| SB-1 ($PM_{10}$) | Dry Filters | Y | 2.42 | 0.121 | 100 | N | N |
| SB-2 ($PM_{10}$) | Dry Filters | Y | 8.47 | 0.424 | 100 | N | N |
| SB-6 ($PM_{10}$) | Dry Filters | Y | 2.47 | 0.137 | 100 | N | N |
| EU W-16 ($PM_{10}$) | Baghouses CE-16-1 and CE-16-2 and Cyclones CE-21 and CE-22 | Y | 46.7 | 0.939 | 100 | N | N |

Based on this evaluation, the requirements of 40 CFR Part 64, CAM are not applicable to any of the existing units as part of this Part 70 Permit Renewal.

(a) The fifty-five (55) insignificant natural gas-fired boilers have a total heat input capacity of 10.15 million British thermal units per hour, which is less than two hundred fifty (250) million British thermal units per hour. Therefore, the requirements of the New Source Performance Standards, 40 CFR 60, Subpart D, Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction Is Commenced After August 17, 1971, and Subpart Da, Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978, are not included in the permit.

(b) The fifty-five (55) insignificant natural gas-fired boilers have a total heat input capacity of 10.15 million British thermal units per hour, which is less than one hundred (100) million British thermal units per hour. Therefore, the requirements of the New Source Performance Standard, 40 CFR 60, Subpart Db, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units, are not included in the permit.

(c) The fifty-five (55) insignificant natural gas-fired boilers have a heat input capacity of less than ten (10.0) million British thermal units per hour, each. Therefore, the requirements of the New Source Performance Standard, 40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, are not included in the permit.

(d) The insignificant gasoline storage tanks were constructed in 1999 and 2004, respectively. Therefore, the requirements of the New Source Performance Standard, 40 CFR 60, Subpart K, Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978, and Subpart Ka, Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984, are not included in the permit.

(e) The insignificant gasoline storage tanks were constructed in 1999 and 2004, respectively, but have capacities of 500 gallons and 10,000 gallons, which are each less than 75 $m^3$

(19,812.9 gallons). Therefore, the requirements of the New Source Performance Standard, 40 CFR 60, Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984, are not included in the permit.

(f) The insignificant liquid petroleum storage tanks consist of one (1) 10,000 gallon tank and three (3) 1,000 gallon tanks, which are each less than 40,000 gallons. Therefore, the requirements of the New Source Performance Standard, Subpart K, Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After June 11, 1973, and Prior to May 19, 1978, and Subpart Ka, Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984, are not included in the permit.

(g) The insignificant liquid petroleum storage tanks consist of one (1) 10,000 gallon tank and three (3) 1,000 gallon tanks, which are each less than 75 $m^3$ (19,812.9 gallons). Therefore, the requirements of the New Source Performance Standard, 40 CFR 60, Subpart Kb, Standards of Performance for Volatile Organic Liquid Storage Vessels (Including Petroleum Liquid Storage Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984, are not included in the permit.

(h) The natural gas-fired turbines have a heat input of greater than ten million (10,000,000) British thermal units per hour, but are used as emergency generators. Therefore, the requirements of the New Source Performance Standard, 40 CFR 60, Subpart GG, Standards of Performance for Stationary Gas Turbines, are not included in the permit.

(i) This source does not coat automobiles or light duty trucks. Therefore, the requirements of the New Source Performance Standard, 40 CFR 60, Subpart MM, Standards of Performance for Automobile and Light Duty Truck Surface Coating Operations, are not included in the permit.

(j) There are no other New Source Performance Standards (40 CFR 60 and 326 IAC 12) included in the permit for this source.

(k) The insignificant degreasing operations do not use halogenated solvents. Therefore, the requirements of the National Emission Standard for Hazardous Air Pollutants (NESHAP), 40 CFR 63, Subpart T, National Emission Standards for Halogenated Solvent Cleaning, are not included in the permit.

(l) This source does not coat automobiles or light duty trucks. Therefore, the requirements of the National Emission Standard for Hazardous Air Pollutants, 40 CFR 63, Subpart IIII, National Emission Standards for Hazardous Air Pollutants: Surface Coating of Automobiles and Light-Duty Trucks, are not included in the permit.

(m) This source coats miscellaneous metal parts and products and is located at a major source of Hazardous Air Pollutants (HAPs). Therefore, the requirements of the National Emission Standard for Hazardous Air Pollutants, 40 CFR 63, Subpart MMMM, National Emission Standards for Hazardous Air Pollutants for Surface Coating of Miscellaneous Metal Parts and Products, could be applicable. However, the source has stated that surface coating of plastic parts and products is the predominant activity at the source and that the source qualifies for an exemption from 40 CFR 63, Subpart MMMM, as described in 40 CFR 63.3881(c)(16). Therefore, the requirements of 40 CFR 63, Subpart MMMM, are not included in the permit.

(n) The eight (8) recreational vehicle assembly lines, identified as EU L-1, EU L-3, EU L-4, EU L-5, EU L-6, EU L-10, EU L-21, and EU L-23, coat plastic parts and products and are located at a major source of Hazardous Air Pollutants (HAPs). Therefore, the requirements of the National Emission Standard for Hazardous Air Pollutants, 40 CFR 63, Subpart PPPP, National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products, are included in the permit for these emission units.

The eight (8) recreational vehicle assembly lines, identified as EU L-1, EU L-3, EU L-4, EU L-5, EU L-6, EU L-10, EU L-21, and EU L-23, are subject to the following provisions of Subpart PPPP. Non-applicable provisions of the NESHAP will not be included in the permit.

(1) 40 CFR 63.4480

(2) 40 CFR 63.4481(a)(1) and (2), (b), and (e)(2)(i) and (ii)

(3) 40 CFR 63.4482(a), (b), and (e)

(4) 40 CFR 63.4483(b) and (d)

(5) 40 CFR 63.4490(b)(1), and (c)(1)

(6) 40 CFR 63.4491(b)

(7) 40 CFR 63.4492(a)

(8) 40 CFR 63.4493(a)

(9) 40 CFR 63.4500(a)(1) and (b)

(10) 40 CFR 63.4501

(11) 40 CFR 63.4510(a), (b), and (c)(1) through (8), and (10)

(12) 40 CFR 63.4520(a)(1) through (4), and (6)

(13) 40 CFR 63.4530(a), (b), (c)(1) and (3), and (d) through (h)

(14) 40 CFR 63.4531

(15) 40 CFR 63.4540

(16) 40 CFR 63.4541

(17) 40 CFR 63.4542(a), (c), and (d)

(18) 40 CFR 63.4550

(19) 40 CFR 63.4551

(20) 40 CFR 63.4552

(21) 40 CFR 63.4580

(22) 40 CFR 63.4581

(23) Tables 2 and 3

**State Rule Applicability - Entire Source**

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

The source has submitted an Emergency Reduction Plan (ERP) on November 8, 1999. The ERP has been verified to fulfill the requirements of 326 IAC 1-5-2 (Emergency Reduction Plans).

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

(a) The unrestricted potential to emit of VOC is greater than two hundred fifty (250) tons per year. However, the source will limit VOC emissions to less than two hundred fifty (250) tons per year as follows:

The VOC usage at all surface coating facilities shall be limited to less than two hundred forty-five (245) tons per twelve (12) consecutive month period, with compliance determined at the end of each month. Compliance with this limitation, in combination with the unrestricted potential to emit VOC from all insignificant activities of five (5.00) tons per year, shall limit the source-wide VOC emissions to less than two hundred fifty (250) tons per year.

(b) The unrestricted potential to emit of all remaining criteria pollutants is less than two hundred fifty (250) tons per year.

Therefore, this source, which is not one (1) of the twenty-eight (28) source categories, is a minor source pursuant to 326 IAC 2-2, PSD.

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

(a) The six (6) recreational vehicle assembly lines, identified as EU L-1, EU L-4, EU L-5, EU L-6, EU L-10, and EU L-23, the wood component spray booth, identified as EU SB-1, the metal and wood spray booth, identified as EU SB-2, the repair spray booth, identified as EU SB-6, and the lamination operation, identified as lamination, were all constructed prior to July 27, 1997. Therefore, the requirements of 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAPs)) are not applicable to these facilities.

(b) The recreational vehicle assembly line, identified as EU L-3, was constructed after July 27, 1997, but has individual HAP emissions of less than ten (10.0) tons per year and a combination of all HAPs emissions of less than twenty-five (25.0) tons per year. Therefore, the requirements of 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAPs)) are not applicable to this facility.

(c) The recreational vehicle assembly line, identified as EU L-21, was constructed after July 27, 1997 and has individual HAP emissions of greater than ten (10.0) tons per year and a combination of all HAPs emissions of greater than twenty-five (25.0) tons per year. However, this facility is subject to the requirements of 40 CFR 63, Subpart PPPP, National Emission Standards for Hazardous Air Pollutants for Surface Coating of Plastic Parts and Products. Therefore, the requirements of 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants (HAPs)) are not applicable to this facility.

326 IAC 2-6 (Emission Reporting)

This Part 70 source does not have the potential to emit 2,500 tons per year of CO, $NO_X$ or $SO_2$, or 250 tons per year of VOC or $PM_{10}$ and is not located in Lake, Porter, or LaPorte County. Therefore, pursuant to 326 IAC 2-6-3(a)(2), an emission statement must be submitted triennially rather than annually. In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 2004 and every three (3) years thereafter, the Permittee shall submit by July 1 an emission statement covering the previous calendar year. The emission statement shall contain, at a minimum, the information specified in 326 IAC 2-6-4(c).

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 Emission Limitations)

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 Emission Limitations).

**State Rule Applicability – Individual Facilities**

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

(a) Particulate from the wood component spray booth, identified as EU SB-1, the metal and wood spray booth, identified as EU SB-2, and the repair spray booth, identified as EU SB-6, shall be controlled by a (dry particulate filter, waterwash, or an equivalent control device), and the Permittee shall operate the control device in accordance with manufacturer's specifications.

(b) The eight (8) recreational vehicle assembly lines, identified as EU L-1, EU L-3, EU L-4, EU L-5, EU L-6, EU L-10, EU L-21, and EU L-23, each use less than five (5.0) gallons of surface coating material per day. Therefore, pursuant to 326 IAC 6-3-1(b)(15), the requirements of 326 IAC 6-3-2 are not applicable to these facilities.

(c) The lamination operation, identified as lamination, has particulate emissions of less than 0.551 pounds per hour. Therefore, pursuant to 326 IAC 6-3-1(b)(14), the requirements of 326 IAC 6-3-2 are not applicable to this facility.

(d) Pursuant to 326 IAC 6-3-2(e), the particulate emissions from the woodworking operation, identified as EU W-16, shall not exceed 12.8 pounds per hour when operating at a process weight rate of 5.50 tons per hour.

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

326 IAC 8-1-6 (New facilities; general reduction requirements)

(a) The five (5) recreational vehicle assembly lines, identified as EU L-1, EU L-4, EU L-5, EU L-10, and EU L-23, and the lamination operation, identified as lamination, were all constructed before January 1, 1980. Therefore, pursuant to 326 IAC 8-1-6(1), the requirements of 326 IAC 8-1-6 (New facilities; general reduction requirements) are not applicable to these facilities.

(b) The unrestricted potential to emit VOC from the recreational vehicle assembly line, identified as EU L-3, and the wood component spray booth, identified as EU SB-1, are less than twenty-five (25.0) tons per year, each. Therefore, pursuant to 326 IAC 8-1-6(1), the requirements of 326 IAC 8-1-6 (New facilities; general reduction requirements) are not applicable to each of these facilities.

(c) The VOC emissions from the two (2) recreational vehicle assembly lines, identified as EU L-6 and EU L-21, are limited to less than twenty-five (25.0) tons per twelve (12) consecutive month period, each, when coating plastic parts and products, with compliance determined at the end of each month. Therefore, the requirements of 326 IAC 8-1-6 (New facilities; general reduction requirements) are not applicable to either of these facilities.

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

(a) The actual VOC emissions from the five (5) recreational vehicle assembly lines, identified as EU L-1, EU L-4, EU L-5, EU L-10, and EU L-23, and the lamination operation, identified as lamination, are less than fifteen (15.0) pounds per day, each, when coating metal. Therefore, pursuant to 326 IAC 8-2-1(a)(3), the requirements of 326 IAC 8-2-9 (Miscellaneous Metal Coating) are not applicable to these facilities.

(b) The VOC emissions from the two (2) recreational vehicle assembly lines, identified as EU L-3 and EU L-21, and the repair spray booth, identified as EU SB-6, shall be limited to less than fifteen (15.0) pounds per day, each, when coating metal. Therefore, pursuant to 326 IAC 8-2-1(a)(3), the requirements of 326 IAC 8-2-9 (Miscellaneous Metal Coating) are not applicable to these facilities.

(c) The actual VOC emissions from the metal and wood spray booth, identified as EU SB-2, are greater than fifteen (15.0) pounds per day. Therefore, pursuant to 326 IAC 8-2-1 (a)(3), the requirements of 326 IAC 8-2-9 (Miscellaneous Metal Coating) are applicable to this facility.

Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the volatile organic compound (VOC) content of the coating delivered to the applicator at the spray booth, shall be limited to 3.5 pounds of VOCs per gallon of coating less water, when coating metal parts, for extreme performance coatings.

(1) In order to ensure compliance with the requirements of 326 IAC 8-2-9, volume weighted averaging of all coatings used per day will be required for the metal and wood spray booth, identified as EU SB-2, as follows:

c = n
3 coating c (gal) H VOC content of c (lbs/gal, less water)
c = 1
c = n
3 coating c (gal)
c =1

where:

c= an individual coating
n= number of coatings

(2) 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.

326 IAC 8-2-12 (Wood Furniture and Cabinet Coating)

The wood component spray booth, identified as EU SB-1, has actual VOC emissions of greater than fifteen (15.0) pounds per day. However, the wood component spray booth, identified as EU SB-1, is not a wood furnishing manufacturing facility. Therefore, pursuant to 326 IAC 8-2-12(a), the requirements of 326 IAC 8-2-12 (Wood Furniture and Cabinet Coating) are not applicable to this facility.

326 IAC 20-81 (National Emission Standards for Hazardous Air Pollutants)

This source is subject to a National Emission Standard for Hazardous Air Pollutants, 40 CFR 63, Subpart PPPP, for Surface Coating of Plastic Parts and Products. Therefore, the requirements of 326 IAC 20-80 are applicable because the rule incorporates by reference the provisions of 40 CFR 63, Subpart PPPP.

**State Rule Applicability – Insignificant Activities**

326 IAC 6-2-4 (Particulate Emission Limitations for Sources of Indirect Heating)

The fifty-five (55) insignificant natural gas-fired boilers were all constructed at the same time after September 21, 1983. Therefore, pursuant to 326 IAC 6-2-1(d), the requirements of 326 IAC 6-2-4 (Emission limitations for facilities specified in 326 IAC 6-2-1(d)) are applicable to these facilities. Pursuant to 326 IAC 6-2-4, particulate emissions from indirect heating facilities constructed after September 21, 1983 shall be limited by the following equation:

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

Where:

Pt = Pounds of particulate matter emitted per million Btu (lb/mmBtu) heat input.

Q = Total source maximum operating capacity rating in million Btu per hour (mmBtu/hr) heat input. The maximum operating capacity rating is defined as the maximum capacity at which the facility is operated or the nameplate capacity, whichever is specified in the facility's permit application, except when some lower capacity is contained in the facility's operation permit; in which case, the capacity specified in the operation permit shall be used. (Q = 10.15 mmBtu/hr)

$$Pt = (1.09)/((10.15^{0.26}))$$
$$= 0.597 \text{ lbs/mmBtu}$$

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

(a) The fifty-five (55) insignificant natural gas-fired boilers are sources of combustion for indirect heating. Therefore, pursuant to 326 IAC 6-3-1(b)(1), the requirements of 326 IAC 6-3-2 (Particulate Matter Emissions Limitations for Manufacturing Processes) are not applicable to these facilities.

(b) The welding activities which are part of the structural steel and bridge fabrication activities use less than six hundred twenty-five (625) pounds of weld wire or rod per day. Therefore, pursuant to 326 IAC 6-3-1(b)(9), the requirements of 326 IAC 6-3-2 (Particulate Matter Emissions Limitations for Manufacturing Processes) are not applicable to these facilities.

(c) The cutting torches cut less than three thousand four hundred (3,400) inches per hour of stock one (1) inch thickness metal. Therefore, pursuant to 326 IAC 6-3-1(b)(1), the requirements of 326 IAC 6-3-2 (Particulate Matter Emissions Limitations for Manufacturing Processes) are not applicable to these facilities.

(d) Pursuant to 326 IAC 6-3-2(e), the particulate emissions from the cutting operations of the structural steel and bridge fabrication activities, the grinding and machining operations controlled with fabric filters, scrubbers, mist collectors, wet collectors and electrostatic precipitators with a design grain loading of less than or equal to 0.03 grains per actual cubic foot and a gas flow rate less than or equal to 4,000 actual cubic feet per minute, including the following: deburring; buffing; polishing; abrasive blasting; pneumatic conveying; and woodworking operations, and the sewing, chop and band saws, small paint touch up guns of various designs shall be limited by the following:

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

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

The insignificant degreasing operations were constructed after January 1, 1980. Therefore, they are subject to 326 IAC 8-3-2, Cold Cleaner Operation, for cold cleaning operations constructed after January 1, 1980. Pursuant to 326 IAC 8-3-2, the owner or operator 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 operating requirements; and

(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 and control)

The insignificant degreasing operations were constructed after July 1, 1990 and do not have remote solvent reservoirs. Therefore, pursuant to 326 IAC 8-3-1(b)(2), the requirements of 326 IAC 8-3-5 (Cold cleaner degreaser operations and control) are applicable.

(a) Pursuant to 326 IAC 8-3-5(a) (Cold Cleaner Degreaser Operation and Control), 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°C) (one hundred degrees Fahrenheit (100°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°C) (one hundred degrees Fahrenheit (100°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°C) (one hundred degrees Fahrenheit (100°F)), or if the solvent is heated to a temperature greater than forty-eight and nine-tenths degrees Celsius (48.9°C) (one hundred twenty degrees Fahrenheit (120°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 construction of which commenced after July 1, 1990, 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.

**Compliance Determination and Monitoring Requirements**

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

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

The Compliance Determination Requirements applicable to this source are as follows:

The three (3) recreational vehicle assembly lines, identified as EU L-3, EU L-6, and EU L-21, and the metal and wood spray booth, identified as SB-2, have applicable compliance determination conditions as specified below:

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

The Compliance Monitoring Requirements applicable to this source are as follows:

| Control | Parameter | Frequency | Monitoring | Excursions and Exceedances |
|---|---|---|---|---|
| Dry Particulate Filters for SB-1, SB-2, and SB-6 | Overspray | -- | Written training program retained on site for proper set-up and operation of particulate control system including filter alignment, filter inspection, & maintenance, and trouble shooting practices. | Response Steps |

These monitoring conditions are necessary because the dry particulate filters for the wood component spray booth, identified as EU SB-1, the metal and wood spray booth, identified as EU SB-2, and the repair spray booth, identified as EU SB-6, must operate properly to ensure compliance with 326 IAC 6-3 (Particulate Emissions Limitations for Manufacturing Processes).

**Recommendation**

The staff recommends to the Commissioner that the Part 70 Operating Permit Renewal 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 application for the purposes of this review was received on September 29, 2003. Additional information was received on June 4 and August 31, 2007.

**Conclusion**

The operation of this recreational vehicle manufacturing source shall be subject to the conditions of the attached Part 70 Operating Permit Renewal No. T 039-18088-00265.

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

**Company Name:** Jayco, Inc.
**Address City IN Zip:** 903 South Main Street, Middlebury, IN 46540
**Part 70:** T 039-18088-00265
**Reviewer:** Michael A. Morrone
**Date:** October 24, 2007

## Actual 1997 Emission Based on 2080 Hours of Operation (tons per year)

| | L-1 | L-3 | L-4 | L-5 | L-6 | L-10 | L-21 | L-23 | SB-1 | SB-2 | SB-6 | Lamination | Entire Plant |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Toluene | 0.051 | 0.930 | 10.1 | 0.229 | 3.59 | 0.041 | 3.59 | 1.09 | 0.00 | 0.028 | 0.00 | 0.00 | 19.7 |
| Ethylbenzene | 0.023 | 0.032 | 0.062 | 0.052 | 0.166 | 0.018 | 0.166 | 0.023 | 0.00 | 0.100 | 0.00 | 0.002 | 0.644 |
| Xylene | 0.119 | 0.163 | 0.315 | 0.267 | 0.00 | 0.096 | 0.00 | 0.121 | 0.00 | 0.520 | 0.00 | 0.012 | 1.61 |
| MIBK | 0.000 | 0.001 | 0.003 | 0.001 | 0.005 | 0.000 | 0.005 | 0.001 | 0.00 | 0.00 | 0.00 | 0.00 | 0.016 |
| Hexane | 0.476 | 0.705 | 2.58 | 1.62 | 5.50 | 0.381 | 5.50 | 0.172 | 0.00 | 0.00 | 0.00 | 0.00 | 16.9 |
| Methylene Chloride | 0.003 | 0.00 | 0.00 | 0.00 | 0.00 | 0.003 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.551 | 0.557 |
| Total HAPs | 0.672 | 1.83 | 13.1 | 2.17 | 9.26 | 0.539 | 9.26 | 1.41 | 0.00 | 0.648 | 0.00 | 0.565 | 39.5 |
| VOC | 2.93 | 3.01 | 16.8 | 7.15 | 17.7 | 2.64 | 17.6 | 1.84 | 0.00 | 2.01 | 0.00 | 0.877 | 72.5 |

**Potential Emissions Based on 8760 Hours of Operation (tons per year)**

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Toluene | 0.215 | 3.92 | 42.7 | 0.964 | 15.1 | 0.173 | 15.1 | 4.59 | 0.00 | 0.118 | 0.00 | 0.00 | 83.0 |
| Ethylbenzene | 0.097 | 0.135 | 0.261 | 0.219 | 0.699 | 0.076 | 0.699 | 0.097 | 0.00 | 0.421 | 0.00 | 0.008 | 2.71 |
| Xylene | 0.501 | 0.686 | 1.33 | 1.12 | 0.000 | 0.404 | 0.000 | 0.510 | 0.00 | 2.19 | 0.00 | 0.051 | 6.79 |
| MIBK | 0.00 | 0.004 | 0.013 | 0.004 | 0.021 | 0.000 | 0.021 | 0.004 | 0.00 | 0.00 | 0.00 | 0.00 | 0.067 |
| Hexane | 2.00 | 2.97 | 10.9 | 6.81 | 23.1 | 1.60 | 23.1 | 0.724 | 0.00 | 0.00 | 0.00 | 0.00 | 71.3 |
| Methylene Chloride | 0.013 | 0.00 | 0.00 | 0.00 | 0.00 | 0.013 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.32 | 2.35 |
| Total HAPs | 2.83 | 7.71 | 55.2 | 9.13 | 39.0 | 2.27 | 39.0 | 5.93 | 0.00 | 2.73 | 0.00 | 2.38 | 166 |
| VOC | 12.4 | 12.7 | 70.7 | 30.1 | 74.6 | 11.1 | 73.9 | 7.75 | 0.00 | 8.47 | **2.74*** | 3.69 | **306** |
| PM | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.00 | 2.42** | 8.47*** | 2.74** | 0.00 | **13.3** |
| **Limited VOC Emissions** | | | | | **Less than 25.0** | | **Less than 25.0** | | | | | | **Less than 213** |

### METHODOLOGY

*** PTE VOC based on 14.9 lbs per day maximum, equivalent to 2.74 tons per year. No actual emissions were provided for SB-6.**

****Booth SB-1 uses dry filters, but no actual PM emissions were given. The source stated that PM emissions are less than 100 tons per year, but that this booth needs filters to comply with 326 IAC 6-3-2. As a result, the PM values were set equal to 2.42 tons per year, just above the 2.41 tons per year threshold of 326 IAC 6-3-2.**

***** No actual PM emissions were available for SB-2 and SB-6. The source stated that PM emissions are less than 100 tons per year, but that these thwo booths each need filters to comply with 326 IAC 6-3-2. A conservative assumption was made that all the VOC emissions were PM emissions for these booths and the PM values were set equal to 8.47 tons per year for SB-2 and 2.74 for SB-6.**

# Appendix A: Emission Calculations
## Baghouse Operations

**Woodworking Operation**
**W-16**

**Company Name:** Jayco, Inc.
**Address City IN Zip:** 903 South Main Street, Middlebury, IN 46540
**Part 70:** T 039-18088-00265
**Reviewer:** Michael A. Morrone/MES
**Date:** October 24, 2007

| Unit ID | Control Efficiency | Grain Loading per Actual Cubic foot of Outlet Air (grains/cub. ft.) | Gas or Air Flow Rate (acfm.) | Emission Rate before Controls (lbs/hr) | Emission Rate before Controls (tons/yr) | Emission Rate after Controls (lbs/hr) | Emission Rate after Controls (tons/yr) |
|---|---|---|---|---|---|---|---|
| | | | | | | | |
| CE-16 | 97.98% | 0.00125 | 10000 | 5.30 | 23.2 | 0.107 | 0.469 |
| CE-21 | 98.0% | 0.00125 | 10000 | 5.36 | 23.5 | 0.107 | 0.469 |

**Methodology**

Emission Rate in lbs/hr (after controls) = (grains/cub. ft.) (sq. ft.) ((cub. ft./min.)/sq. ft.) (60 min/hr) (lb/7000 grains)
Emission Rate in tons/yr = (lbs/hr) (8760 hr/yr) (ton/2000 lb)

Emission Rate in lbs/hr (before controls) = Emission Rate (after controls): (lbs/hr)/(1-control efficiency)
Emission Rate in tons/yr = (lbs/hr) (8760 hr/yr) (ton/2000 lb)

### Allowable Rate of Emissions

| Process Rate (lbs/hr) | Process Weight Rate (tons/hr) | Allowable Emissions (lbs/hr) | Allowable Emissions (tons/yr) |
|---|---|---|---|
| | | | |
| 11000 | 5.50 | 12.8 | 56.3 |

**Methodology**

Allowable Emissions = 4.10(Process Weight Rate)^0.67

**Appendix A: Emission Calculations**
**Internal Combustion Engines - Diesel Fuel**
**Turbine (>600 HP)**

**Company Name:** Jayco, Inc.
**Address City IN Zip:** 903 South Main Street, Middlebury, IN 46540
**Part 70:** T 039-18088-00265
**Reviewer:** Michael A. Morrone/MES
**Date:** October 24, 2007

**Emissions calculated based on output rating (hp)** **Emergency Diesel Engine; assumed 500 hours per year of use.**

S= 0.500 = WEIGHT % SULFUR

| Power Output Horsepower (hp) | Potential Throughput hp-hr/yr |
|---|---|
| 1600 | 800000 |

| | Pollutant | | | | | |
|---|---|---|---|---|---|---|
| | PM* | PM10 | SO2 | NOx | VOC | CO |
| Emission Factor in lb/hp-hr | 0.0007 | 0.0007 | 0.004 | 0.024 | 0.00071 | 0.00550 |
| | | | *(.00809S)* | **see below | | |
| Potential Emission in tons/yr | 0.280 | 0.280 | 1.62 | 9.60 | 0.282 | 2.20 |

**NOx emission factor: uncontrolled = 0.024 lb/hp-hr, controlled by ignition timing retard = 0.013 lb/hp-hr
Note that the PM10 emission factor in lb/hp-hr is not provided in the Supplement B update of AP-42.
Assumed that PM=PM10.

**Methodology**

Potential Througput (hp-hr/yr) = hp * 8760 hr/yr

Emission Factors are from AP 42 (Supplement B 10/96)Table 3.4-1 and Table 3.4-2
1 hp-hr = 7000 Btu, AP42 (Supplement B 10/96), Table 3.3-1, Footnote a.
Emission (tons/yr) = [Heat input rate (MMBtu/hr) x Emission Factor (lb/MMBtu)] * 8760 hr/yr / (2,000 lb/ton )
Emission (tons/yr) = [Potential Throughput (hp-/hr/yr) x Emission Factor (lb/hp-hr)] / (2,000 lb/ton )

**Appendix A: Emission Calculations**
**Natural Gas Combustion Only**
**MMBTU/HR >100**
**Natural Gas Turbine**

**Company Name:** Jayco, Inc.
**Address City IN Zip:** 903 South Main Street, Middlebury, IN 46540
**Part 70:** T 039-18088-00265
**Reviewer:** Michael A. Morrone/MES
**Date:** October 24, 2007

**Emergency Natural Gas Turbine/Reciprocating Engine; assumed 500 hours per year of use.**

| Heat Input Capacity MMBtu/hr | Potential Throughput MMCF/yr |
|---|---|
| 40.7 | 20.3 |

| | Pollutant | | | | | |
|---|---|---|---|---|---|---|
| | PM* | PM10* | SO2 | NOx | VOC | CO |
| Emission Factor in lb/MMCF | 1.90 | 7.60 | 0.600 | 140<br>**see below | 5.50 | 84.0 |
| Potential Emission in tons/yr | 0.019 | 0.077 | 0.006 | 1.42 | 0.056 | 0.855 |

*PM emission factor is filterable PM only. PM10 emission factor is condensable and filterable PM10 combined.
**Emission Factors for NOx: Uncontrolled = 280 (pre-NSPS) or 190 (post-NSPS), Low NOx Burner = 140, Flue gas recirculation = 100 (See Table 1.4-1)

**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 from AP 42, Chapter 1.4, Tables 1.4-1, 1.4-2, and 1.4-3, SCC #1-01-006-01, 1-01-006-04
(AP-42 Supplement D 3/98)
Emission (tons/yr) = Throughput (MMCF/yr) x Emission Factor (lb/MMCF)/2,000 lb/ton
See page 5 for HAPs emissions calculations.

**Appendix A: Emission Calculations**
**Natural Gas Combustion Only**
**MMBTU/HR >100**
**Natural Gas Turbine**
**HAPs Emissions**

**Company Name:** Jayco, Inc.
**Address City IN Zip:** 903 South Main Street, Middlebury, IN 46540
**Part 70:** T 039-18088-00265
**Reviewer:** Michael A. Morrone/MES
**Application Date:** October 24, 2007

| | HAPs - Organics | | | | |
|---|---|---|---|---|---|
| | Benzene | Dichlorobenzene | Formaldehyde | Hexane | Toluene |
| Emission Factor in lb/MMcf | 0.002 | 0.001 | 0.075 | 1.80 | 0.003 |
| Potential Emission in tons/yr | 0.00002 | 0.00001 | 0.0008 | 0.018 | 0.00003 |

| | HAPs - Metals | | | | | |
|---|---|---|---|---|---|---|
| | Lead | Cadmium | Chromium | Manganese | Nickel | Total HAPs |
| Emission Factor in lb/MMcf | 0.0005 | 0.0011 | 0.0014 | 0.0004 | 0.002 | |
| Potential Emission in tons/yr | 0.00001 | 0.00001 | 0.00001 | 0.000004 | 0.00002 | 0.019 |

Methodology is the same as page 4.

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

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

**Company Name:** Jayco, Inc.
**Address City IN Zip:** 903 South Main Street, Middlebury, IN 46540
**Part 70:** T 039-18088-00265
**Reviewer:** Michael A. Morrone/MES
**Date:** October 24, 2007

***55 insignificant boilers, with a total heat input capacity of 10.15 mmBtu/hr***

| Heat Input Capacity MMBtu/hr | Potential Throughput MMCF/yr |
|---|---|
| 10.2 | 89 |

| | Pollutant | | | | | |
|---|---|---|---|---|---|---|
| | PM* | PM10* | SO2 | NOx | VOC | CO |
| Emission Factor in lb/MMCF | 1.90 | 7.60 | 0.600 | 100<br>**see below | 5.50 | 84.0 |
| Potential Emission in tons/yr | 0.084 | 0.338 | 0.027 | 4.45 | 0.245 | 3.73 |

*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
See page 7 for HAPs emissions calculations.

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

**Company Name:** Jayco, Inc.
**Address City IN Zip:** 903 South Main Street, Middlebury, IN 46540
**Permit Number:** T 039-18088-00265
**Reviewer:** Michael A. Morrone/MES
**Date:** October 24, 2007

| | HAPs - Organics | | | | |
|---|---|---|---|---|---|
| | Benzene | Dichlorobenzene | Formaldehyde | Hexane | Toluene |
| Emission Factor in lb/MMcf | 0.002 | 0.001 | 0.075 | 1.80 | 0.003 |
| Potential Emission in tons/yr | 0.0001 | 0.0001 | 0.003 | 0.080 | 0.0002 |

| | HAPs - Metals | | | | | |
|---|---|---|---|---|---|---|
| | Lead | Cadmium | Chromium | Manganese | Nickel | |
| Emission Factor in lb/MMcf | 0.001 | 0.001 | 0.001 | 0.0004 | 0.002 | **Total** |
| Potential Emission in tons/yr | 0.00002 | 0.00005 | 0.0001 | 0.00002 | 0.0001 | **0.084** |

Methodology is the same as page 6.

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

## Appendix A: Emissions Calculations
## Summary

**Company Name:** Jayco, Inc.
**Address City IN Zip:** 903 South Main Street, Middlebury, IN 46540
**Part 70:** T 039-18088-00265
**Reviewer:** Michael A. Morrone/MES
**Date:** October 24, 2007

### Summary of Emissions

### Uncontrolled Potential Emissions

| ***Significant Emission Units*** | **PM** | **PM-10** | **SO2** | **NOx** | **VOC** | **CO** | **Toluene** | **Ethylbenzene** | **Xylene** | **MIBK** | **Hexane** | **Methylene Chloride** | **Benzene** | **Dichloro-benzene** | **Formal-dehyde** | **Lead** | **Cadmium** | **Chromium** | **Manganese** | **Nickel** | **Total HAPs** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) |
| | | | | | | | | | | | | | | | | | | | | | |
| EU L-1 | 0.00 | 0.00 | 0.00 | 0.00 | 12.4 | 0.00 | 0.215 | 0.097 | 0.501 | 0.00 | 2.00 | 0.013 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.83 |
| EU L-3 | 0.00 | 0.00 | 0.00 | 0.00 | 12.7 | 0.00 | 3.92 | 0.13 | 0.69 | 0.00 | 2.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.71 |
| EU L-4 | 0.00 | 0.00 | 0.00 | 0.00 | 70.7 | 0.00 | 42.7 | 0.261 | 1.33 | 0.01 | 10.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 55.2 |
| EU L-5 | 0.00 | 0.00 | 0.00 | 0.00 | 30.1 | 0.00 | 0.964 | 0.219 | 1.12 | 0.004 | 6.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.13 |
| EU L-6 | 0.00 | 0.00 | 0.00 | 0.00 | 74.6 | 0.00 | 15.1 | 0.699 | 0.00 | 0.021 | 23.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.0 |
| EU L-10 | 0.00 | 0.00 | 0.00 | 0.00 | 11.1 | 0.00 | 0.173 | 0.076 | 0.404 | 0.00 | 1.60 | 0.013 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.27 |
| EU L-21 | 0.00 | 0.00 | 0.00 | 0.00 | 73.9 | 0.00 | 15.1 | 0.699 | 0.00 | 0.021 | 23.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.0 |
| EU L-23 | 0.00 | 0.00 | 0.00 | 0.00 | 7.75 | 0.00 | 4.59 | 0.097 | 0.510 | 0.004 | 0.724 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.93 |
| EU SB-1 | 2.42 | 2.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EU SB-2 | 8.47 | 8.47 | 0.00 | 0.00 | 8.47 | 0.00 | 0.118 | 0.421 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.73 |
| EU SB-6 | 2.74 | 2.74 | 0.00 | 0.00 | 2.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Lamination | 0.00 | 0.00 | 0.00 | 0.00 | 3.69 | 0.00 | 0.00 | 0.008 | 0.051 | 0.051 | 0.00 | 2.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 |
| EU W-16 | 46.7 | 46.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Subtotal Significant Emission Unit** | **60.3** | **60.3** | **0.00** | **0.00** | **308** | **0.00** | **83.0** | **2.71** | **6.79** | **0.118** | **71.3** | **2.35** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **166** |
| ***Insignificant Activities*** | | | | | | | | | | | | | | | | | | | | | |
| Natural gas-fired combustion | 0.084 | 0.338 | 0.027 | 4.45 | 0.245 | 3.73 | 0.0002 | 0.00 | 0.00 | 0.00 | 0.080 | 0.00 | 0.0001 | 0.0001 | 0.003 | 0.00002 | 0.00005 | 0.0001 | 0.00002 | 0.0001 | 0.084 |
| Emergency Diesel Generator | 0.280 | 0.280 | 1.62 | 9.60 | 0.282 | 2.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Emergency Natural gas Generator | 0.019 | 0.077 | 0.006 | 1.42 | 0.056 | 0.855 | 0.00003 | 0.00 | 0.00 | 0.00 | 0.018 | 0.00 | 0.00002 | 0.00001 | 0.001 | 0.00001 | 0.00001 | 0.00001 | 0.000004 | 0.00002 | 0.019 |
| Other Activities | 4.62 | 4.30 | 1.35 | 0.00 | 4.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.90 |
| **Subtotal Insignificant Activities** | 5.00 | 5.00 | 3.00 | 15.5 | 5.00 | 6.79 | 0.0002 | 0.00 | 0.00 | 0.00 | 0.098 | 0.00 | 0.0001 | 0.0001 | 0.004 | 0.00003 | 0.00006 | 0.0001 | 0.00002 | 0.0001 | 3.00 |
| **Total** | **65.3** | **65.3** | **3.00** | **15.5** | **313** | **6.79** | **83.0** | **2.71** | **6.79** | **0.118** | **71.4** | **2.35** | **0.0001** | **0.0001** | **0.004** | **0.00003** | **0.00006** | **0.0001** | **0.00002** | **0.0001** | **169** |

**Company Name:** Jayco, Inc.
**Address City IN Zip:** 903 South Main Street, Middlebury, IN 46540
**Part 70:** T 039-18088-00265
**Reviewer:** Michael A. Morrone/MES
**Date:** October 24, 2007

**Controlled Potential Emissions**

| ***Significant Emission Units*** | **PM** | **PM-10** | **SO2** | **NOx** | **VOC** | **CO** | **Toluene** | **Ethylbenzene** | **Xylene** | **MIBK** | **Hexane** | **Methylene Chloride** | **Benzene** | **Dichloro-benzene** | **Formal-dehyde** | **Lead** | **Cadmium** | **Chromium** | **Manganese** | **Nickel** | **Total HAPs** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) |
| | | | | | | | | | | | | | | | | | | | | | |
| EU L-1 | 0.00 | 0.00 | 0.00 | 0.00 | 12.4 | 0.00 | 0.21 | 0.097 | 0.501 | 0.00 | 2.00 | 0.013 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.83 |
| EU L-3 | 0.00 | 0.00 | 0.00 | 0.00 | 12.7 | 0.00 | 3.92 | 0.135 | 0.686 | 0.00 | 2.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.71 |
| EU L-4 | 0.00 | 0.00 | 0.00 | 0.00 | 70.7 | 0.00 | 42.7 | 0.261 | 1.33 | 0.013 | 10.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 55.2 |
| EU L-5 | 0.00 | 0.00 | 0.00 | 0.00 | 30.1 | 0.00 | 0.96 | 0.219 | 1.12 | 0.00 | 6.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.13 |
| EU L-6 | 0.00 | 0.00 | 0.00 | 0.00 | 74.6 | 0.00 | 15.1 | 0.699 | 0.00 | 0.021 | 23.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.0 |
| EU L-10 | 0.00 | 0.00 | 0.00 | 0.00 | 11.1 | 0.00 | 0.17 | 0.076 | 0.404 | 0.00 | 1.60 | 0.013 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.27 |
| EU L-21 | 0.00 | 0.00 | 0.00 | 0.00 | 73.9 | 0.00 | 15.1 | 0.699 | 0.00 | 0.021 | 23.1 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 39.0 |
| EU L-23 | 0.00 | 0.00 | 0.00 | 0.00 | 7.75 | 0.00 | 4.59 | 0.097 | 0.510 | 0.00 | 0.724 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.93 |
| EU SB-1 | 0.121 | 0.121 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EU SB-2 | 0.424 | 0.424 | 0.00 | 0.00 | 8.47 | 0.00 | 0.118 | 0.421 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.73 |
| EU SB-6 | 0.137 | 0.137 | 0.00 | 0.00 | 2.74 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Lamination | 0.00 | 0.00 | 0.00 | 0.00 | 3.69 | 0.00 | 0.00 | 0.01 | 0.051 | 0.051 | 0.00 | 2.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 |
| EU W-16 | 0.939 | 0.939 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Subtotal Significant Emission Unit** | **1.62** | **1.62** | **0.00** | **0.00** | **308** | **0.00** | **83.0** | **2.71** | **6.79** | **0.118** | **71.3** | **2.35** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **166** |
| ***Insignificant Activities*** | | | | | | | | | | | | | | | | | | | | | |
| Natural gas-fired combustion | 0.084 | 0.338 | 0.027 | 4.45 | 0.245 | 3.73 | 0.0002 | 0.00 | 0.00 | 0.00 | 0.080 | 0.00 | 0.0001 | 0.0001 | 0.003 | 0.00002 | 0.00005 | 0.0001 | 0.00002 | 0.0001 | 0.084 |
| Emergency Diesel Generator | 0.280 | 0.280 | 1.62 | 9.60 | 0.282 | 2.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Emergency Natural gas Generator | 0.019 | 0.077 | 0.006 | 1.42 | 0.056 | 0.855 | 0.00003 | 0.00 | 0.00 | 0.00 | 0.018 | 0.00 | 0.00002 | 0.00001 | 0.001 | 0.00001 | 0.00001 | 0.00001 | 0.000004 | 0.00002 | 0.019 |
| Other Activities | 4.62 | 4.30 | 1.35 | 0.00 | 4.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.90 |
| **Subtotal Insignificant Activities** | 5.00 | 5.00 | 3.00 | 15.5 | 5.00 | 6.79 | 0.0002 | 0.00 | 0.00 | 0.00 | 0.098 | 0.00 | 0.0001 | 0.0001 | 0.004 | 0.00003 | 0.0001 | 0.0001 | 0.00002 | 0.0001 | 3.00 |
| **Total** | **6.62** | **6.62** | **3.00** | **15.5** | **313** | **6.79** | **83.0** | **2.71** | **6.79** | **0.118** | **71.4** | **2.35** | **0.0001** | **0.0001** | **0.004** | **0.00003** | **0.0001** | **0.0001** | **0.00002** | **0.0001** | **169** |

**Company Name:** Jayco, Inc.
**Address City IN Zip:** 903 South Main Street, Middlebury, IN 46540
**Part 70:** T 039-18088-00265
**Reviewer:** Michael A. Morrone/MES
**Date:** October 24, 2007

**Limited and Controlled Potential Emissions**

| ***Significant Emission Units*** | **PM** | **PM-10** | **SO2** | **NOx** | **VOC** | **CO** | **Toluene** | **Ethylbenzene** | **Xylene** | **MIBK** | **Hexane** | **Methylene Chloride** | **Benzene** | **Dichloro-benzene** | **Formal-dehyde** | **Lead** | **Cadmium** | **Chromium** | **Manganese** | **Nickel** | **Total HAPs** |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) | (tons/yr) |
| | | | | | | | | | | | | | | | | | | | | | |
| EU L-1 | 0.00 | 0.00 | 0.00 | 0.00 | Less than 245 | 0.00 | 0.215 | 0.097 | 0.501 | 0.00 | 2.00 | 0.013 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.83 |
| EU L-3 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 3.92 | 0.135 | 0.686 | 0.00 | 2.97 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7.71 |
| EU L-4 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 42.7 | 0.261 | 1.33 | 0.013 | 10.9 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 55.2 |
| EU L-5 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.964 | 0.219 | 1.12 | 0.00 | 6.81 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 9.13 |
| EU L-6 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 5.07 | 0.234 | 0.000 | 0.007 | 7.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.1 |
| EU L-10 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.173 | 0.076 | 0.404 | 0.00 | 1.60 | 0.013 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.27 |
| EU L-21 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 5.07 | 0.234 | 0.00 | 0.007 | 7.75 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 13.1 |
| EU L-23 | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 4.59 | 0.097 | 0.510 | 0.00 | 0.724 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 5.93 |
| EU SB-1 | 0.121 | 0.121 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| EU SB-2 | 0.424 | 0.424 | 0.00 | 0.00 | | 0.00 | 0.118 | 0.421 | 2.19 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.73 |
| EU SB-6 | 0.137 | 0.137 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| Lamination | 0.00 | 0.00 | 0.00 | 0.00 | | 0.00 | 0.00 | 0.008 | 0.051 | 0.051 | 0.00 | 2.32 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.43 |
| EU W-16 | 46.7 | 46.7 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 |
| **Subtotal Significant Emission Unit** | **47.4** | **47.4** | **0.00** | **0.00** | **Less than 245** | **0.00** | **62.9** | **1.78** | **6.79** | **0.090** | **40.5** | **2.35** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **0.00** | **114** |
| ***Insignificant Activities*** | | | | | | | | | | | | | | | | | | | | | |
| Natural gas-fired combustion | 0.084 | 0.338 | 0.027 | 4.45 | 0.245 | 3.73 | 0.0002 | 0.00 | 0.00 | 0.00 | 0.080 | 0.00 | 0.0001 | 0.0001 | 0.003 | 0.00002 | 0.00005 | 0.0001 | 0.00002 | 0.0001 | 0.084 |
| Emergency Diesel Generator | 0.280 | 0.280 | 1.62 | 9.60 | 0.282 | 2.20 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.0000 |
| Emergency Natural gas Generator | 0.019 | 0.077 | 0.006 | 1.42 | 0.056 | 0.855 | 0.00003 | 0.00 | 0.00 | 0.00 | 0.018 | 0.00 | 0.00002 | 0.00001 | 0.001 | 0.00001 | 0.00001 | 0.00001 | 0.000004 | 0.00002 | 0.019 |
| Other Activities | 4.62 | 4.30 | 1.35 | 0.00 | 4.42 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.90 |
| **Subtotal Insignificant Activities** | 5.00 | 5.00 | 3.00 | 15.5 | 5.00 | 6.79 | 0.0002 | 0.00 | 0.00 | 0.00 | 0.098 | 0.00 | 0.0001 | 0.0001 | 0.004 | 0.00003 | 0.00006 | 0.0001 | 0.00002 | 0.0001 | 3.00 |
| **Total** | **52.4** | **52.4** | **3.00** | **15.5** | **Less than 250** | **6.79** | **62.9** | **1.78** | **6.79** | **0.09** | **40.6** | **2.35** | **0.0001** | **0.0001** | **0.004** | **0.00003** | **0.00006** | **0.0001** | **0.00002** | **0.0001** | **117** |