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: August 26, 2008

RE: Gulf Stream Coach, Inc. / 039-23289-00145

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
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Part 70 Operating Permit Renewal
OFFICE OF AIR QUALITY

Gulf Stream Coach, Inc.
502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East
Nappanee, Indiana 46550

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

The Permittee must comply with all conditions of this permit. Noncompliance with any provisions of this permit is grounds for enforcement action; permit termination, revocation and reissuance, or modification; or denial of a permit renewal application. Noncompliance with any provision of this permit, except any provision specifically designated as not federally enforceable, constitutes a violation of the Clean Air Act. It shall not be a defense for the Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. An emergency does constitute an affirmative defense in an enforcement action provided the Permittee complies with the applicable requirements set forth in Section B, Emergency Provisions.

This permit is issued in accordance with 326 IAC 2 and 40 CFR Part 70 Appendix A and contains the conditions and provisions specified in 326 IAC 2-7 as required by 42 U.S.C. 7401, et. seq. (Clean Air Act as amended by the 1990 Clean Air Act Amendments), 40 CFR Part 70.6, IC 13-15 and IC 13-17.

Operation Permit No.: T039-23289-00145	
Issued by: Original signed by Chrystal Wagner, Section Chief Permits Branch Office of Air Quality	Issuance Date:August 26, 2008 Expiration Date:August 26, 2013

TABLE OF CONTENTS

SECTION A SOURCE SUMMARY 5
A.1 General Information [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)] [326 IAC 2-7-1(22)]
A.2 Part 70 Source Definition [326 IAC 2-7-1(22)]
A.3 Emission Units and Pollution Control Equipment Summary [326 IAC 2-7-4(c)(3)] [326 IAC 2-7-5(15)]
A.4 Specifically Regulated Insignificant Activities [326 IAC 2-7-1(21)] [326 IAC 2-7-4(c)] [326 IAC 2-7-5(15)]
A.5 Part 70 Permit Applicability [326 IAC 2-7-2]

SECTION B GENERAL CONDITIONS 9
B.1 Definitions [326 IAC 2-7-1]
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)]
B.3 Term of Conditions [326 IAC 2-1.1-9.5]
B.4 Enforceability [326 IAC 2-7-7]
B.5 Severability [326 IAC 2-7-5(5)]
B.6 Property Rights or Exclusive Privilege [326 IAC 2-7-5(6)(D)]
B.7 Duty to Provide Information [326 IAC 2-7-5(6)(E)]
B.8 Certification [326 IAC 2-7-4(f)] [326 IAC 2-7-6(1)] [326 IAC 2-7-5(3)(C)]
B.9 Annual Compliance Certification [326 IAC 2-7-6(5)]
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]
B.11 Emergency Provisions [326 IAC 2-7-16]
B.12 Permit Shield [326 IAC 2-7-15] [326 IAC 2-7-20] [326 IAC 2-7-12]
B.13 Prior Permits Superseded [326 IAC 2-1.1-9.5] [326 IAC 2-7-10.5]
B.14 Termination of Right to Operate [326 IAC 2-7-10] [326 IAC 2-7-4(a)]
B.15 Deviations from Permit Requirements and Conditions [326 IAC 2-7-5(3)(C)(ii)]
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]
B.17 Permit Renewal [326 IAC 2-7-3] [326 IAC 2-7-4] [326 IAC 2-7-8(e)]
B.18 Permit Amendment or Modification [326 IAC 2-7-11] [326 IAC 2-7-12] [40 CFR 72]
B.19 Permit Revision Under Economic Incentives and Other Programs [326 IAC 2-7-5(8)] [326 IAC 2-7-12(b)(2)]
B.20 Operational Flexibility [326 IAC 2-7-20] [326 IAC 2-7-10.5]
B.21 Source Modification Requirement [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]
B.23 Transfer of Ownership or Operational Control [326 IAC 2-7-11]
B.24 Annual Fee Payment [326 IAC 2-7-19] [326 IAC 2-7-5(7)] [326 IAC 2-1.1-7]
B.25 Credible Evidence [326 IAC 2-7-5(3)] [326 IAC 2-7-6] [62 FR 8314] [326 IAC 1-1-6]

SECTION C SOURCE OPERATION CONDITIONS 20

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]
C.2 Opacity [326 IAC 5-1]
C.3 Open Burning [326 IAC 4-1] [IC 13-17-9]
C.4 Incineration [326 IAC 4-2] [326 IAC 9-1-2]
C.5 Fugitive Dust Emissions [326 IAC 6-4]
C.6 Stack Height [326 IAC 1-7]
C.7 Asbestos Abatement Projects [326 IAC 14-10] [326 IAC 18] [40 CFR 61, Subpart M]

Testing Requirements [326 IAC 2-7-6(1)]
C.8 Performance Testing [326 IAC 3-6]

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

Compliance Monitoring Requirements [326 IAC 2-7-5(1)] [326 IAC 2-7-6(1)]
C.10 Compliance Monitoring [326 IAC 2-7-5(3)] [326 IAC 2-7-6(1)]
C.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

Corrective Actions and Response Steps [326 IAC 2-7-5] [326 IAC 2-7-6]
C.12 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]
C.13 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]
C.14 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]
C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]
C.16 Emission Statement [326 IAC 2-7-5(3)(C)(iii)] [326 IAC 2-7-5(7)] [326 IAC 2-7-19(c)] [326 IAC 2-6]
C.17 General Record Keeping Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-6]
C.18 General Reporting Requirements [326 IAC 2-7-5(3)(C)] [326 IAC 2-1.1-11]

Stratospheric Ozone Protection
C.19 Compliance with 40 CFR 82 and 326 IAC 22-1

D.1 FACILITY OPERATION CONDITIONS: Surface Coating and Woodworking 27

Emission Limitations and Standards [326 IAC 2-7-5(1)]
D.1.1 PSD Minor Limit [326 IAC 2-2]
D.1.2 Volatile Organic Compounds [326 IAC 8-1-6]
D.1.3 Volatile Organic Compounds (VOC) [326 IAC 8-2-9]
D.1.4 Volatile Organic Compound (VOC) Limitations, Clean-up Requirements [326 IAC 8-2-9]
D.1.5 Particulate [326 IAC 6-3-2]
D.1.6 Preventive Maintenance Plan [326 IAC 2-7-5(13)]

Compliance Determination Requirements
D.1.7 Volatile Organic Compounds (VOC) [326 IAC 8-1-4] [326 IAC 8-1-2(a)]
D.1.8 Volatile Organic Compounds (VOC)
D.1.9 Particulate Control

Compliance Monitoring Requirements [326 IAC 2-7-6(1)] [326 IAC 2-7-5(1)]
D.1.10 Monitoring [40 CFR 64]
D.1.11 Visible Emissions Notations
D.1.12 Cyclone Failure Detection
D.1.13 Broken or Failed Bag Detection

Record Keeping and Reporting Requirements [326 IAC 2-7-5(3)] [326 IAC 2-7-19]
D.1.14 Record Keeping Requirements
D.1.15 Reporting Requirements

E.1 NESHAP Subpart MMMM FACILITY OPERATION CONDITIONS 37

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements
E.1.1 General Provisions Relating to NESHAP, Subpart MMMM [326 IAC 20-80] [40 CFR Part 63, Subpart A]
E.1.2 NESHAP, Subpart MMMM, Requirements [40 CFR Part 63, Subpart MMMM]

E.2 NESHAP Subpart PPPP FACILITY OPERATION CONDITIONS..... 65

National Emission Standards for Hazardous Air Pollutants (NESHAP) Requirements
E.2.1 General Provisions Relating to NESHAP, Subpart PPPP [326 IAC 20-81] [40 CFR Part 63, Subpart A]
E.2.2 NESHAP, Subpart PPPP, Requirements [40 CFR Part 63, Subpart PPPP]

Certification 92

Emergency Occurrence Report 93

Part 70 Quarterly Report Forms..... 95

Quarterly Deviation and Compliance Monitoring Report 100

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, A.3, and A.4 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 an assembly of a motor home, bus, van, pick-up truck, fifth wheel, and travel trailer source.

Source Address:	502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Mailing Address:	502 South Oakland Avenue, Nappanee, Indiana 46550
General Source Phone Number:	574-773-7941
SIC Codes:	3716, 3792
County Locations:	Elkhart & Kosciusko
Source Location Status:	Attainment for all criteria pollutants
Source Status:	Part 70 Operating Permit Program Minor Source under PSD Rules Major Source, Section 112 of the Clean Air Act Not 1 of 28 Source Categories

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

This source definition for this source is incorporated into this permit as follows:

This assembly operation of motor homes, buses, vans, pick-up trucks, fifth wheels and travel trailers company source consists of four (4) segments:

(a) Segment 1, Gulf Stream Coach, Inc. is located at 502, 503, and 504 South Oakland Avenue, Nappanee, Indiana (Elkhart County),

(b) Segment 2, Gulf Stream Coach, Inc. is located at 853 South Oakland, Nappanee, Indiana (Kosciusko County),

(c) Segment 3, Gulf Stream Coach, Inc. is located at 2404 E. Market Street, Nappanee, Indiana (Elkhart County); and

(d) Segment 4, Seahawk Recreational Vehicles, Inc. is located at 26535 US 6 East, Nappanee, Indiana (Elkhart County).

IDEM, OAQ determined that the four (4) segments are one (1) source in T 039-7740-00145, issued on March 28, 2002, as follows:

Gulf Stream Coach owns greater than 50% of the Seahawk Recreational Vehicles, Inc. stationary sources. Segments 1 and 2 of Gulf Stream Coach, Inc. are located approximately one (1) mile from Segment 3 and Seahawk Recreational Vehicles, Inc. Since the four (4) Segments are located on adjacent properties, have the same SIC codes, and Gulf Stream Coach owns greater than 50% Seahawk Recreational Vehicles, Inc., they will be considered one (1) source.

IDEM has determined that Segments 1, 2, and 3, Gulf Stream Coach, Inc., and Segment 4, Seahawk Recreational Vehicles, Inc., are under the common control of Gulf Stream Coach, Inc. These four (4) Segments are considered one source due to contractual control. Therefore, the

term “source” in the Part 70 documents refers to both Gulf Stream Coach, Inc. and Seahawk Recreational Vehicles, Inc., as one source. One (1) permit will be issued to the source.

A.3 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) Two (2) lamination booths, located in Plant 56, identified as Lam 1 and Lam 2, installed in 1990, exhausting to Stacks Lam 1 and Lam 2, capacity: 1.0 unit per hour, each.

(b) Two (2) paint booths for metal, fiberglass, and plastic parts, located in 22/58Paint, identified as Booth 1 and Booth 2, installed in 1985 and modified in 1999, equipped with high volume low pressure (HVLP) spray applicators and dry filters for particulate control, exhausting to three (3) stacks, collectively identified as G-1 and three (3) stacks, collectively identified as G-2, capacity: 1.0 unit per hour for motor homes, 0.25 units per hour for buses, 2.0 units per hour for vans and pickup trucks, or 0.25 units per hour for travel trailers, for each paint booth. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, these are considered miscellaneous metal parts and products and plastic parts and products coating facilities, respectively.

(c) One (1) woodworking area, identified as Wood 51, installed in 1987, equipped with a cyclone, exhausting to Stack D-51A, capacity: 8,120 pounds of wood per hour.

(d) One (1) woodworking area, identified as Wood 58, installed in 1985, equipped with three (3) cyclones, exhausting to Stacks D-552-A, D-552-B, and D552-C, capacity: 2,568 pounds of wood per hour.

(e) One (1) paint booth for metal, fiberglass, and plastic parts, located in 22/58Paint, identified as Booth 3, installed in 1999, equipped with high volume low pressure (HVLP) spray applicators and dry filters for particulate control, exhausting to three (3) stacks, collectively identified as G-3, capacity: 1.0 unit per hour for motor homes, 0.25 units for hour for buses, 2.0 units per hour for vans and pickup trucks, or 0.25 units per hour for travel trailers. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(f) Two (2) paint booths for metal, fiberglass, and plastic parts, identified as Booth 4 (located in 22/58Paint) and Booth 5 (located in Plant 51), installed in 1999, equipped with high volume low pressure (HVLP) spray guns and dry filters for particulate control, exhausting to Stacks G-4 and G-5, capacity: 0.25 units for motor homes, buses, vans, pick-up trucks, and travel trailers per hour, each. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, these are considered miscellaneous metal parts and products and plastic parts and products coating facilities, respectively.

(g) One (1) coating and assembly area for glass, metal, plastic, and wood parts, identified as Assembly 58, installed in 1985, exhausting to Stacks V-14, G-6, and G-7 (with dry filters as particulate control) and Stacks V-12 and V-13 (without particulate control), capacity: 1.0 unit for motor homes, buses, vans, pick-up trucks, and travel trailers per hour. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(h) One (1) coating and assembly area for metal, plastic, and wood parts, identified as Assembly 51, installed in 1990, exhausting to Stack V-51, capacity: 3.25 units for motor homes, buses, vans, pick-up trucks, and travel trailers per hour. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(i) Two (2) coating application systems, identified as 53P2, 53P3, approved for construction in 2008, located in Building 12 and operated as Plant 53, with a total maximum coating capacity of 1920 square feet per hour, equipped with dry filters for particulate overspray control, and exhausting to one (1) vent, identified as V3. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(j) One (1) coating application system, identified as 53P1, approved for construction in 2008, located in Building 12 and operated as Plant 53, with a maximum coating capacity of 1920 square feet per hour, and exhausting to three (3) vents, all identified as V2. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(k) One (1) coating application system, identified as 53P4, approved for construction in 2008, located in Building 12a and operated as Plant 53b, with a maximum coating capacity of 1920 square feet per hour, equipped with dry filters for particulate overspray control, and exhausting to one (1) vent, identified as V4. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(l) Facilities using sealants, adhesives, caulks, and other miscellaneous VOC containing materials, identified as 53SAC, approved for construction in 2008, located in Building 12 and operated as Plant 53, with a total maximum coating capacity of 1920 square feet per hour, and exhausting to three (3) vents, all identified as V2.

(m) One (1) woodworking area, containing various woodworking equipment, identified as 53WWE, approved for construction in 2008, located in Building 12 and operated as Plant 53, equipped with seven (7) internal baghouses (2 at 650 cfm and 5 at 1100 cfm each), for particulate control and one (1) cyclone exhausting to one (1) stack, identified as D-53, capacity: 2,568 pounds of wood per hour.

(n) Four (4) coating application systems, identified as 67P1, 67P2, 67P3, and 67P4, approved for construction in 2008, located in Building 1 and operated as Plant 67, with a total maximum coating capacity of 1920 square feet per hour, and exhausting to four (4) vents, all identified as V1. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(o) Facilities using sealants, adhesives, caulks, and other miscellaneous VOC containing materials (67SAC), approved for construction in 2008, located in Building 1 and operated as Plant 67, with a total maximum coating capacity of 1920 square feet per hour, and exhausting to four (4) vents, all identified as V1.

(p) One (1) woodworking area, containing various woodworking equipment, identified as 67WWE, approved for construction in 2008, located in Building 1 and operated as Plant 67, equipped with one (1) internal 500 cfm baghouse for particulate control and one (1) cyclone exhausting to one (1) stack, identified as D-1, capacity: 8,120 pounds of wood per hour.

(q) One (1) fifth wheel and travel trailer assembly area, identified as Building 55, installed in 1993, capacity: 1.0 unit per hour, consisting of the following:

(1) Plant 69 Lamination and Welding, installed in 2003, consisting of:

(A) One (1) lamination area, identified as Lam 3, capacity: 1.0 unit per hour.

(B) One (1) welding operation, identified as 69W, capacity: 0.8 pounds of

weld wire per hour.

(2) Plant 60 Mini Vista Cruiser, installed in 1993, consisting of:

(A) One (1) adhesive and cement application, identified as 55A, capacity: 1.0 unit per hour.

(B) One (1) surface coating area, identified as 55SC, using brushes, caulk guns, aerosol spray guns, and high volume low pressure spray (HVLP) spray guns to apply materials, capacity: 1.0 unit per hour. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(C) One (1) woodworking operation, identified as D555, equipped with a cyclone exhausting to Stack D-555, capacity: 5,109 pounds of wood per hour.

(r) One (1) fifth wheel and travel trailer assembly area, identified as Plant 59 (Seahawk Recreational Vehicles, Inc.), installed in 1993, capacity: 1.0 unit per hour, consisting of the following:

(1) One (1) adhesive and cement application, identified as 59A, capacity: 1.0 unit per hour.

(2) One (1) surface coating area, identified as 59SC, using brushes, caulk guns, aerosol spray guns, and high volume low pressure (HVLP) spray guns to apply materials, capacity: 1.0 unit per hour. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(3) One (1) woodworking operation, identified as D559, installed in 2003, equipped with a cyclone exhausting to Stack D-559, capacity: 5,109 pounds of wood per hour.

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

A.5 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 039-23289-00145, is issued for a fixed term of five (5) years from the issuance date of this permit, as determined in accordance with IC 4-21.5-3-5(f) and IC 13-15-5-3. Subsequent revisions, modifications, or amendments of this permit do not affect the expiration date of this permit.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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 039-23289-00145 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 non-compliance does not stay any condition of this permit. [326 IAC 2-7-5(6)(C)] The notification by the Permittee does require the certification by the "responsible official" as defined by 326 IAC 2-7-1(34).

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

(1) That this permit contains a material mistake.

(2) That inaccurate statements were made in establishing the emissions standards or other terms or conditions.

(3) That this permit must be revised or revoked to assure compliance with an applicable requirement. [326 IAC 2-7-9(a)(3)]

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

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

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

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

Request for renewal shall be submitted to:

Indiana Department of Environmental Management
Permits Branch, Office of Air Quality
100 North Senate Avenue
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 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 Stack Height [326 IAC 1-7]

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

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

(a) Notification requirements apply to each owner or operator. If the combined amount of regulated asbestos containing material (RACM) to be stripped, removed or disturbed is at least 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.8 Performance Testing [326 IAC 3-6]

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

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

Indiana Department of Environmental Management
Compliance Data Section, Office of Air Quality
100 North Senate Avenue
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.9 Compliance Requirements [326 IAC 2-1.1-11]

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

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

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

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

Indiana Department of Environmental Management
Compliance Branch, Office of Air Quality
100 North Senate Avenue
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.11 Monitoring Methods [326 IAC 3] [40 CFR 60] [40 CFR 63]

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

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

C.12 Emergency Reduction Plans [326 IAC 1-5-2] [326 IAC 1-5-3]

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

(a) The Permittee prepared and submitted written emergency reduction plans (ERPs) consistent with safe operating procedures on June 27, 2002.

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

C.13 Risk Management Plan [326 IAC 2-7-5(12)] [40 CFR 68]

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

C.14 Response to Excursions or Exceedances [326 IAC 2-7-5] [326 IAC 2-7-6]

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

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

(1) initial inspection and evaluation

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

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

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

(1) monitoring results;

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

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

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

(e) The Permittee shall maintain the following records:

(1) monitoring data;

(2) monitor performance data, if applicable; and

(3) corrective actions taken.

C.15 Actions Related to Noncompliance Demonstrated by a Stack Test [326 IAC 2-7-5] [326 IAC 2-7-6]

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

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

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

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

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

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

(a) In accordance with the compliance schedule specified in 326 IAC 2-6-3(b)(1), starting in 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.17 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.18 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.19 Compliance with 40 CFR 82 and 326 IAC 22-1

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

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

(b) Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.

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

SECTION D.1 FACILITY OPERATION CONDITIONS

Facility Description [326 IAC 2-7-5(15)]: Surface Coating and Woodworking

(a) Two (2) lamination booths, located in Plant 56, identified as Lam 1 and Lam 2, installed in 1990, exhausting to Stacks Lam 1 and Lam 2, capacity: 1.0 unit per hour, each.

(b) Two (2) paint booths for metal, fiberglass, and plastic parts, located in 22/58Paint, identified as Booth 1 and Booth 2, installed in 1985 and modified in 1999, equipped with high volume low pressure (HVLP) spray applicators and dry filters for particulate control, exhausting to three (3) stacks, collectively identified as G-1 and three (3) stacks, collectively identified as G-2, capacity: 1.0 unit per hour for motor homes, 0.25 units per hour for buses, 2.0 units per hour for vans and pickup trucks, or 0.25 units per hour for travel trailers, for each paint booth. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, these are considered miscellaneous metal parts and products and plastic parts and products coating facilities, respectively.

(c) One (1) woodworking area, identified as Wood 51, installed in 1987, equipped with a cyclone, exhausting to Stack D-51A, capacity: 8,120 pounds of wood per hour.

(d) One (1) woodworking area, identified as Wood 58, installed in 1985, equipped with three (3) cyclones, exhausting to Stacks D-552-A, D-552-B, and D552-C, capacity: 2,568 pounds of wood per hour.

(e) One (1) paint booth for metal, fiberglass, and plastic parts, located in 22/58Paint, identified as Booth 3, installed in 1999, equipped with high volume low pressure (HVLP) spray applicators and dry filters for particulate control, exhausting to three (3) stacks, collectively identified as G-3, capacity: 1.0 unit per hour for motor homes, 0.25 units for hour for buses, 2.0 units per hour for vans and pickup trucks, or 0.25 units per hour for travel trailers. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(f) Two (2) paint booths for metal, fiberglass, and plastic parts, identified as Booth 4 (located in 22/58Paint) and Booth 5 (located in Plant 51), installed in 1999, equipped with high volume low pressure (HVLP) spray guns and dry filters for particulate control, exhausting to Stacks G-4 and G-5, capacity: 0.25 units for motor homes, buses, vans, pick-up trucks, and travel trailers per hour, each. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, these are considered miscellaneous metal parts and products and plastic parts and products coating facilities, respectively.

(g) One (1) coating and assembly area for glass, metal, plastic, and wood parts, identified as Assembly 58, installed in 1985, exhausting to Stacks V-14, G-6, and G-7 (with dry filters as particulate control) and Stacks V-12 and V-13 (without particulate control), capacity: 1.0 unit for motor homes, buses, vans, pick-up trucks, and travel trailers per hour. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(h) One (1) coating and assembly area for metal, plastic, and wood parts, identified as Assembly 51, installed in 1990, exhausting to Stack V-51, capacity: 3.25 units for motor homes, buses, vans, pick-up trucks, and travel trailers per hour. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(i) Two (2) coating application systems, identified as 53P2, 53P3, approved for construction in 2008, located in Building 12 and operated as Plant 53, with a total maximum coating capacity of 1920 square feet per hour, equipped with dry filters for particulate overspray control, and exhausting to one (1) vent, identified as V3. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(j) One (1) coating application system, identified as 53P1, approved for construction in 2008, located in Building 12 and operated as Plant 53, with a maximum coating capacity of 1920 square feet per hour, and exhausting to three (3) vents, all identified as V2. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(k) One (1) coating application system, identified as 53P4, approved for construction in 2008, located in Building 12a and operated as Plant 53b, with a maximum coating capacity of 1920 square feet per hour, equipped with dry filters for particulate overspray control, and exhausting to one (1) vent, identified as V4. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(l) Facilities using sealants, adhesives, caulks, and other miscellaneous VOC containing materials, identified as 53SAC, approved for construction in 2008, located in Building 12 and operated as Plant 53, with a total maximum coating capacity of 1920 square feet per hour, and exhausting to three (3) vents, all identified as V2.

(m) One (1) woodworking area, containing various woodworking equipment, identified as 53WWE, approved for construction in 2008, located in Building 12 and operated as Plant 53, equipped with seven (7) internal baghouses (2 at 650 cfm and 5 at 1100 cfm each), for particulate control and one (1) cyclone exhausting to one (1) stack, identified as D-53, capacity: 2,568 pounds of wood per hour.

(n) Four (4) coating application systems, identified as 67P1, 67P2, 67P3, and 67P4, approved for construction in 2008, located in Building 1 and operated as Plant 67, with a total maximum coating capacity of 1920 square feet per hour, and exhausting to four (4) vents, all identified as V1. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(o) Facilities using sealants, adhesives, caulks, and other miscellaneous VOC containing materials (67SAC), approved for construction in 2008, located in Building 1 and operated as Plant 67, with a total maximum coating capacity of 1920 square feet per hour, and exhausting to four (4) vents, all identified as V1.

(p) One (1) woodworking area, containing various woodworking equipment, identified as 67WWE, approved for construction in 2008, located in Building 1 and operated as Plant 67, equipped with one (1) internal 500 cfm baghouse for particulate control and one (1) cyclone exhausting to one (1) stack, identified as D-1, capacity: 8,120 pounds of wood per hour.

(q) One (1) fifth wheel and travel trailer assembly area, identified as Building 55, installed in 1993, capacity: 1.0 unit per hour, consisting of the following:

(1) Plant 69 Lamination and Welding, installed in 2003, consisting of:

(A) One (1) lamination area, identified as Lam 3, capacity: 1.0 unit per hour.

(B) One (1) welding operation, identified as 69W, capacity: 0.8 pounds of weld wire per hour.

(2) Plant 60 Mini Vista Cruiser, installed in 1993, consisting of:

(A) One (1) adhesive and cement application, identified as 55A, capacity: 1.0 unit per hour.

(B) One (1) surface coating area, identified as 55SC, using brushes, caulk guns, aerosol spray guns, and high volume low pressure spray (HVLP) spray guns to apply

materials, capacity: 1.0 unit per hour. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(C) One (1) woodworking operation, identified as D555, equipped with a cyclone exhausting to Stack D-555, capacity: 5,109 pounds of wood per hour.

(r) One (1) fifth wheel and travel trailer assembly area, identified as Plant 59 (Seahawk Recreational Vehicles, Inc.), installed in 1993, capacity: 1.0 unit per hour, consisting of the following:

(1) One (1) adhesive and cement application, identified as 59A, capacity: 1.0 unit per hour.

(2) One (1) surface coating area, identified as 59SC, using brushes, caulk guns, aerosol spray guns, and high volume low pressure (HVLP) spray guns to apply materials, capacity: 1.0 unit per hour. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(3) One (1) woodworking operation, identified as D559, installed in 2003, equipped with a cyclone exhausting to Stack D-559, capacity: 5,109 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.1.1 PSD Minor Limit [326 IAC 2-2]

(a) The use of VOC, including coatings, dilution solvents, and cleaning solvents, at the coating and Assembly area, identified as Assembly 51, the coating and Assembly area, identified as Assembly 58, and the two (2) lamination booths, identified as Lam 1 and Lam 2, shall be limited to less than fifty-five (55) tons per twelve (12) consecutive month period.

(b) The use of VOC, including coatings, dilution solvents, and cleaning solvents, at the five (5) paint booths, identified as Booths 1 through 5, shall be limited to less than one hundred twenty-nine (129) tons per twelve (12) consecutive month period.

(c) The use of VOC, including coatings, dilution solvents, and cleaning solvents, at the coating and assembly areas identified as Plant 53 shall be limited to less than a total of twenty-two (22) tons per twelve (12) consecutive-month period

(d) The use of VOC, including coatings, dilution solvents, and cleaning solvents, at the coating and assembly areas identified as Plant 67 shall be limited to less than a total of eighteen (18) tons per twelve (12) consecutive-month period.

(e) The input of VOC delivered to the adhesive and cement application and caulking and gluing operations applicators of Plant 55 and Plant 59 shall be limited to nineteen (19) tons of VOC per twelve (12) consecutive month period.

Compliance with these limitations, in combination with the unrestricted potential VOC emissions from insignificant activities, shall limit the combined source-wide VOC emissions to less than two hundred fifty (250) tons per year.

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

Pursuant to CP 039-9271-00145, issued on December 23, 1998, and 326 IAC 8-1-6, the Best Available Control Technology for the three (3) paint booths, identified as Booths 1 through 3, shall be

the following:

(1) Use of the following work practices to minimize leaks, spills and evaporative losses:

(A) Water-based, non-VOC/HAP cleaners shall be utilized for pre-paint cleaning and elsewhere when considered effective and practical.

(B) The cleanup solvent containers used to transport solvent from drums to work stations shall be closed containers having soft gasketed springloaded closures.

(C) Cleanup rags saturated with solvent shall be stored, transported, and disposed of in containers that are closed tightly.

(D) The spray guns used shall be the type that can be cleaned upon completion of use for production without the need for spraying the solvent into the air.

(E) All solvent sprayed during cleanup or color changes shall be directed into containers. Such containers shall be closed as soon as solvent spraying is complete and the waste solvent shall be disposed of in such a manner that evaporation is minimized.

(F) Storage containers used to store VOC and/or HAPs containing materials shall be kept covered when not in use.

(2) The source shall be required to continue testing of non-VOC/HAP clean-up solvents to replace the use of the laquer thinner.

(3) Collected solvents will be recycled onsite to recover reusable solvents and minimize waste.

(4) The method of application for the three (3) paint booths shall be done with high volume low pressure (HVLP) spray technique.

HVLP spray is the technology used to apply material to substrate by means of application equipment that operates between one-tenth (0.1) and ten (10) pounds per square inch gauge (psig) air pressure measured dynamically at the center of the air cap and at the air horns of the spray system.

(5) The paint booths shall comply with the following individual limits:

(A) Shall not exceed 5.64 pounds of VOC per gallon coating less water for the primer/sealer;

(B) Shall not exceed 6.29 pounds of VOC per gallon coating less water for the base coat; and

(C) Shall not exceed 4.45 pounds of VOC per gallon coating less water for the top coat.

(6) The input VOC including cleanup solvent, minus the VOC solvent shipped out, delivered to the applicators of Booth 1 through Booth 5 shall be limited to no more than one hundred twenty-nine (129) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

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

(a) Pursuant to 326 IAC 8-2-9, the volatile organic compound (VOC) content of the coating delivered to the applicators at the two (2) lamination booths, identified as Lam 1 and Lam 2, shall be limited to 3.5 pounds of VOC per gallon of coating less water delivered to a coating applicator in a coating application system that is air dried or forced warm air dried at temperatures up to ninety (90) degrees Celsius (one hundred ninety-four (194) degrees Fahrenheit).

(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 six (6) coating and assembly areas, identified as Assembly 51, Assembly 58, Plant 53, Plant 67, Building 55, and Plant 59 on 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.

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 at the two (2) lamination booths, identified as Lam 1 and Lam 2, and from the six (6) coating and assembly areas, identified as Assembly 51, Assembly 58, Plant 53, Plant 67, Building 55, and Plant 59 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]

(a) Pursuant to 326 IAC 6-3-2(d), particulate from the five (5) paint booths, identified as Booths 1 through 5, the Chassis Assembly Area (located within the coating and assembly area of Assembly 58), and Plant 53 (only V-4 and V-3) shall be controlled by dry particulate filters, and the Permittee shall operate the control device in accordance with manufacturer's specifications.

(b) Pursuant to 326 IAC 6-3-2(e), the particulate emission rate from the six (6) woodworking areas, identified as Wood 51,Wood 58, 53WWE, 67WWE, D555, and D559 shall not exceed the pounds per hour limitations listed below when operating at the specified process weight rates:

Emission Unit	Process Weight Rate (tons/hr))	Allowable PM Emissions (lbs/hr)
One (1) woodworking area, identified as Wood 51	4.06	10.5
Woodworking area, identified as 53WWE	1.28	4.8
Woodworking area, identified as 67WWE	4.06	10.5
Woodworking Operation, identified as D555	2.55	7.69
Woodworking Operation, identified as D559	2.55	7.69
One (1) woodworking area, identified as Wood 58	1.29	4.85

The pounds per hour limitations were 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

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 five (5) paint booths, identified as Booths 1 through 5, and the Chassis Assembly Area (located within the coating and assembly area of Assembly 58), Plant 53, and their dry particulate filters and the six (6) woodworking areas, identified as Wood 51,Wood 58, 53WWE, 67WWE, D555, and D559 and their control equipment.

Compliance Determination Requirements

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

(a) Compliance with the VOC content and input 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.

(b) If the amount of VOC in the waste shipped offsite for recycling or disposal is deducted from the monthly VOC input reported, the Permittee shall determine the VOC content of the waste shipped offsite using one or a combination of the following methods:

(1) On-Site Sampling

(A) VOC content shall be determined pursuant to 326 IAC 8-1-4(a)(3) by EPA Reference Method 24 and the sampling procedures in 326 IAC 8-1-4 or other methods as approved by the Commissioner.

(B) A representative sample of the VOC containing waste to be shipped offsite shall be analyzed within 90 days of the issuance of this permit T 039-23289-00145.

(C) If multiple cleanup solvent waste streams are collected and drummed separately, a sample shall be collected and analyzed from each solvent waste stream.

(D) A new representative sample shall be collected and analyzed whenever a change or changes occur(s) that could result in a cumulative 10% or more decrease in the VOC content of the VOC containing waste. Such change could include, but is not limited to, the following:

(i) A change in coating selection or formulation, as supplied or as applied, or a change in solvent selection or formulation, or

(ii) An operational change in the coating application or cleanup operations.

The new VOC content shall be used in calculating the amount of VOC shipped offsite, starting with the date that the change occurred. The sample shall be collected and analyzed within 30 days of the change.

(2) Certified Waste Report: The VOC reported by analysis of an off-site waste processor may be used, provided the report certifies the amount of VOC in the waste.

(3) Minimum Assumed VOC content: The VOC content of the waste shipped off site may be assumed to be equal to the VOC content of the material with the lowest

VOC content that could be present in the waste, as determined using the as supplied" and "as applied" VOC data sheets, for each month.

(c) IDEM reserves the right to request a representative sample of the VOC-containing waste stream and conduct an analysis for VOC content.

(d) Compliance with the VOC input limitations contained in Condition D.1.1(a) shall be demonstrated within 30 days of the end of each month. This shall be based on the total volatile organic compound input for the previous month, minus the amount VOC in the waste ~~t~~ shipped out for recycling or disposal, and adding it to previous 11 months total VOC input, minus the amount VOC in the waste shipped out for recycling or disposal, so as to arrive at VOC input for the most recent twelve (12) consecutive month period.

(e) The VOC input for a month shall be calculated using the following equation:

$$\text{VOC}\,input = \text{SCL} - \text{SR}$$

Where:

SCL = The total amount of VOC, in tons, delivered to the coating applicators, including coatings, dilution solvents, and cleaning solvents, at the coating booths; and

SR = The total amount of VOC, in tons, shipped out for either recycling or disposal, including coatings, dilution solvents, and cleaning solvents, from the coating booths.

D.1.8 Volatile Organic Compounds (VOC)

Compliance with the VOC content limitation contained in Condition D.1.3 shall be determined by computing the daily volume weight average of VOC content. 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:

$$A = \frac{\sum C \times U}{\sum U}$$

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

IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

D.1.9 Particulate Control

In order to comply with Condition D.1.5(b), the cyclone for Wood 51, at least one (1) of the three (3) cyclones for Wood 58, and the control equipment for woodworking areas 53WWE and 67WWE for particulate control shall be in operation and control emissions from the four (4) woodworking areas, identified as Wood 51, Wood 58, 53WWE, and 67WWE at all times that the facilities are in operation.

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

D.1.10 Monitoring [40 CFR 64]

(a) Daily inspections shall be performed to verify the placement, integrity and particle loading of

the dry particulate filters controlling emissions from the surface coating booths. To monitor the performance of the dry filters, weekly observations shall be made of the overspray from the surface coating booth stacks while one or more of the booths are in operation. If a condition exists which should result in a response step, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

(b) Monthly inspections shall be performed of the coating emissions from the surface coating booth stacks and the presence of overspray on the rooftops and the nearby ground. When there is a noticeable change in overspray emissions, or when evidence of overspray emissions is observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances, shall be considered a deviation from this permit.

D.1.11 Visible Emissions Notations

(a) Visible emission notations of the four (4) woodworking areas, identified as Wood 51, Wood 58, 53WWE, and 67WWE stack exhausts shall be performed once per day during normal daylight operations. A trained employee shall record whether emissions are normal or abnormal.

(b) For processes operated continuously, "normal" means those conditions prevailing, or expected to prevail, eighty percent (80%) of the time the process is in operation, not counting startup or shut down time.

(c) In the case of batch or discontinuous operations, readings shall be taken during that part of the operation that would normally be expected to cause the greatest emissions.

(d) A trained employee is an employee who has worked at the plant at least one (1) month and has been trained in the appearance and characteristics of normal visible emissions for that specific process.

(e) If abnormal emissions are observed, the Permittee shall take reasonable response steps in accordance with Section C - Response to Excursions or Exceedances. Failure to take response steps in accordance with Section C - Response to Excursions or Exceedances shall be considered a deviation from this permit.

D.1.12 Cyclone Failure Detection

(a) For a cyclone controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a cyclone controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

D.1.13 Broken or Failed Bag Detection

(a) For a single compartment baghouse controlling emissions from a process operated continuously, a failed unit and the associated process shall be shut down immediately until the failed unit has been repaired or replaced. Operations may continue only if the event

qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

(b) For a single compartment baghouse controlling emissions from a batch process, the feed to the process shall be shut down immediately until the failed unit has been repaired or replaced. The emissions unit shall be shut down no later than the completion of the processing of the material in the emissions unit. Operations may continue only if the event qualifies as an emergency and the Permittee satisfies the requirements of the emergency provisions of this permit (Section B - Emergency Provisions).

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

D.1.14 Record Keeping Requirements

(a) To document compliance with Conditions D.1.1 through D.1.3, the Permittee shall maintain records in accordance with (1) through (5) below. Records maintained for (1) through (5) shall be taken as specified below and shall be complete and sufficient to establish compliance with the VOC content and input limits and/or the VOC emission limits established in Conditions D.1.1 through 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 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) If the amount of VOC in waste material is being deducted from the VOC input as allowed in paragraph (b) of Condition D.1.7, then the following records shall be maintained:

(A) The amount of VOC containing waste shipped out to be recycled or disposed each month multiple cleanup solvent waste streams are collected and drummed separately, the amount shipped out shall be recorded separately for each used solvent stream.

(B) The VOC content of the waste and all records necessary to verify the amount and VOC content of the VOC containing waste shipped out for recycling or disposal.

(C) The weight of VOC input, minus the weight of VOC shipped out to be recycled or disposed, for each compliance period.

(4) The volume weighted VOC content of the coatings used on a monthly basis or, if noncompliant coatings are used, on a daily basis; and

(5) The total VOC input for each month.

(b) To document compliance with Condition D.1.10, the Permittee shall maintain a log of daily inspections, weekly overspray observations, and monthly inspections.

(c) To document compliance with Condition D.1.11, the Permittee shall maintain a daily record of visible emission notations of the four (4) woodworking areas, identified as Wood 51, Wood

58, 53WWE, and 67WWE stack exhausts. The Permittee shall include in its daily record when a visible emission notation is not taken and the reason for the lack of visible emission notation (e.g., the woodworking area did not operate that day).

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

D.1.15 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 E.1 NESHAP MMMM FACILITY OPERATION CONDITIONS

NESHAP MMMM

(a) Two (2) lamination booths, located in Plant 56, identified as Lam 1 and Lam 2, installed in 1990, exhausting to Stacks Lam 1 and Lam 2, capacity: 1.0 unit per hour, each.

(b) Two (2) paint booths, located in 22/58Paint, identified as Booth 1 and Booth 2, installed in 1985 and modified in 1999, equipped with high volume low pressure (HVLP) spray applicators and dry filters for particulate control, exhausting to three (3) stacks, collectively identified as G-1 and three (3) stacks, collectively identified as G-2 capacity: 1.0 unit per hour for motor homes, 0.25 units per hour for buses, 2.0 units per hour for vans and pickup trucks, or 0.25 units per hour for travel trailers, for each paint booth. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, these are considered miscellaneous metal parts and products and plastic parts and products coating facilities, respectively.

(c) One (1) paint booth, located in Plant 22/58Paint, identified as Booth 3, installed in 1999, equipped with high volume low pressure (HVLP) spray applicators and dry filters for particulate control, exhausting to three (3) stacks, collectively identified as G-3, capacity: 1.0 unit per hour for motor homes, 0.25 units per hour for buses, 2.0 units per hour for vans and pickup trucks, or 0.25 units per hour for travel trailers. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(d) Two (2) paint booths, identified as Booth 4 (located in 22/58Paint) and Booth 5 (located in Plant 51), installed in 1999, equipped with high volume low pressure (HVLP) spray guns and dry filters for particulate control, exhausting to Stacks G-4 and G-5, capacity: 0.25 units per hour, each. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, these are considered miscellaneous metal parts and products and plastic parts and products coating facilities, respectively.

(e) One (1) coating and assembly area for glass, metal, plastic, and wood parts, identified as Assembly 58, installed in 1985, exhausting to Stacks V-14, G-6, and G-7 (with dry filters as particulate control) and Stacks V-12 and V-13 (without particulate control), capacity: 1.0 unit for motor homes, buses, vans, pick-up trucks, and travel trailers per hour. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(f) One (1) coating and assembly area, known as Assembly 51, installed in 1990, exhausting to Stack V-51, capacity: 3.25 units per hour. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(g) Two (2) coating application systems, identified as 53P2, 53P3, approved for construction in 2008, located in Building 12 and operated as Plant 53, with a total maximum coating capacity of 1920 square feet per hour, equipped with dry filters for particulate overspray control, and exhausting to one (1) vent, identified as V3. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(h) One (1) coating application system, identified as 53P1, approved for construction in 2008, located in Building 12 and operated as Plant 53, with a maximum coating capacity of 1920 square feet per hour, and exhausting to three (3) vents, all identified as V2. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(i) One (1) coating application system, identified as 53P4, approved for construction in 2008, located in Building 12a and operated as Plant 53b, with a maximum coating capacity of 1920 square feet per hour, equipped with dry filters for particulate overspray control, and exhausting to one (1) vent,

identified as V4. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(j) Four (4) coating application systems, identified as 67P1, 67P2, 67P3, and 67P4, approved for construction in 2008, located in Building 1 and operated as Plant 67, with a total maximum coating capacity of 1920 square feet per hour, and exhausting to four (4) vents, all identified as V1. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(k) One (1) fifth wheel and travel trailer assembly area, identified as Building 55, installed in 1993, capacity: 1.0 unit per hour, consisting of the following:

(1) Plant 69 Lamination and Welding, installed in 2003, consisting of:

(A) One (1) lamination area, identified as Lam 3, capacity: 1.0 unit per hour.

(2) Plant 60 Mini Vista Cruiser, installed in 1993, consisting of:

(A) One (1) adhesive and cement application, identified as 55A, capacity: 1.0 unit per hour.

(B) One (1) surface coating area, identified as 55SC, using brushes, caulk guns, aerosol spray guns, and high volume low pressure spray (HVLP) spray guns to apply materials, capacity: 1.0 unit per hour. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(l) One (1) fifth wheel and travel trailer assembly area, identified as Plant 59 (Seahawk Recreational Vehicles, Inc.), installed in 1993, capacity: 1.0 unit per hour, consisting of the following:

(1) One (1) adhesive and cement application, identified as 59A, capacity: 1.0 unit per hour.

(2) One (1) surface coating area, identified as 59SC, using brushes, caulk guns, aerosol spray guns, and high volume low pressure (HVLP) spray guns to apply materials, capacity: 1.0 unit per hour. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

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

E.1.1 General Provisions Relating to NESHAP, Subpart MMMM [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 five (5) paint booths, identified as Booths 1 through 5, located in Plant 58, the coating and assembly areas, identified as Assembly 51, Assembly 58, Plant 53, Plant 67, and the fifth wheel and travel trailer assembly areas identified as Building 55 and Plant 59 (Seahawk Recreational Vehicles, Inc.), as specified in Table 2 of 40 CFR Part 63, Subpart MMMM in accordance with the schedule in 40 CFR 63 Subpart MMMM.

E.1.2 NESHAP, Subpart MMMM, Requirements [40 CFR Part 63, Subpart MMMM] [326 IAC 20-80]

Pursuant to 40 CFR Part 63, Subpart MMMM, the Permittee shall comply with the provisions of 40 CFR Part 63, Subpart MMMM, which are incorporated by reference as 326 IAC 20-80 for The five (5) paint booths, identified as Booths 1 through 5, located in Plant 58, the coating and assembly areas, identified as Assembly 51, Assembly 58, Plant 53, Plant 67, and the fifth wheel and travel trailer

assembly areas identified as Building 55 and Plant 59 (Seahawk Recreational Vehicles, Inc.), as specified as follows.

§ 63.3880 What is the purpose of this subpart?

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

§ 63.3881 Am I subject to this subpart?

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

(1) Surface coating is the application of coating to a substrate using, for example, spray guns or dip tanks. When application of coating to a substrate occurs, then surface coating also includes associated activities, such as surface preparation, cleaning, mixing, and storage. However, these activities do not comprise surface coating if they are not directly related to the application of the coating. Coating application with handheld, non-refillable aerosol containers, touch-up markers, marking pens, or the application of paper film or plastic film which may be pre-coated with an adhesive by the manufacturer are not coating operations for the purposes of this subpart.

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

(3) The high performance coating subcategory includes surface coating operations that are performed using coatings that meet the definition of high performance architectural coating or high temperature coating in §63.3981.

(4) The magnet wire coating subcategory includes surface coating operations that are performed using coatings that meet the definition of magnet wire coatings in §63.3981.

(5) The rubber-to-metal coatings subcategory includes surface coating operations that are performed using coatings that meet the definition of rubber-to-metal coatings in §63.3981.

(6) The extreme performance fluoropolymer coatings subcategory includes surface coating operations that are performed using coatings that meet the definition of extreme performance fluoropolymer coatings in §63.3981.

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

(e) If you own or operate an affected source that meets the applicability criteria of this subpart and at the same facility you also perform surface coating that meets the applicability criteria of any other final surface coating NESHAP in this part you may choose to comply as specified in paragraph (e)(1), (2), or (3) of this section.

(1) You may have each surface coating operation that meets the applicability criteria of a separate NESHAP comply with that NESHAP separately.

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

(i) If a surface coating operation accounts for 90 percent or more of the surface coating activity at your facility (that is, the predominant activity), then compliance with the emission limitations of the predominant activity for all surface coating operations constitutes compliance with these and other applicable surface coating NESHAP. In determining predominant activity, you must include coating activities that meet the applicability criteria of other surface coating NESHAP and constitute more than 1 percent of total coating activities at your facility. Coating activities that meet the applicability criteria of other surface coating NESHAP but comprise less than 1 percent of coating activities need not be included in the determination of predominant activity but must be included in the compliance calculation.

(ii) You must use liters (gal) of solids used as a measure of relative surface coating activity over a representative period of operation. You may estimate the relative volume of coating solids used from parameters other than coating consumption and volume solids content (*e.g.,* design specifications for the parts or products coated and the number of items produced). The determination of predominant activity must accurately reflect current and projected coating operations and must be verifiable through appropriate documentation. The use of parameters other than coating consumption and volume solids content must be approved by the Administrator. You may use data for any reasonable time period of at least 1 year in determining the relative amount of coating activity, as long as they represent the way the source will continue to operate in the future and are approved by the Administrator. You must determine the predominant activity at your facility and submit the results of that determination with the initial notification required by §63.3910(b). You must also determine predominant activity annually and include the determination in the next semi-annual compliance report required by §63.3920(a).

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

[69 FR 157, Jan. 2, 2004, as amended at 69 FR 22660, Apr. 26, 2004; 71 FR 76927, Dec. 22, 2006]

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

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

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

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

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

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

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

(c) An affected source is a new affected source if you commenced its construction after August 13, 2002 and the construction is of a completely new miscellaneous metal parts and products surface coating facility where previously no miscellaneous metal parts and products surface coating facility had existed.

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

(e) An affected source is existing if it is not new or reconstructed.

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

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

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

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

§ 63.3890 What emission limits must I meet?

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

(1) For each existing general use coating affected source, limit organic HAP emissions to no more than 0.31 kg (2.6 lb) organic HAP per liter (gal) coating solids used during each 12-month compliance period.

(2) For each existing high performance coating affected source, limit organic HAP emissions to no more than 3.3 kg (27.5 lb) organic HAP per liter (gal) coating solids used during each 12-month compliance period.

(3) For each existing magnet wire coating affected source, limit organic HAP emissions to no more than 0.12 kg (1.0 lb) organic HAP per liter (gal) coating solids used during each 12-month compliance period.

(4) For each existing rubber-to-metal coating affected source, limit organic HAP emissions to no more than 4.5 kg (37.7 lb) organic HAP per liter (gal) coating solids used during each 12-month compliance period.

(5) For each existing extreme performance fluoropolymer coating affected source, limit organic HAP emissions to no more than 1.5 kg (12.4 lbs) organic HAP per liter (gal) 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 magnet wire surface coating operations subject to only one of the emission limits specified in paragraphs (a)(1), (3), (b)(1), or (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 one emission limitations in this subpart for all surface coating operations constitutes compliance with the other applicable emission limits. You must use liters (gal) of solids used as a measure of relative surface coating activity over a representative period of operation. You may estimate the relative volume of coating solids used from parameters other than coating consumption and volume solids content (*e.g.,* design specifications for the parts or products coated and the number of items produced). The determination of predominant activity must accurately reflect current and projected coating operations and must be verifiable through appropriate documentation. The use of parameters other than coating consumption and volume solids content must be approved by the Administrator. You may use data for any reasonable time period of at least 1 year in determining the relative amount of coating activity, as long as they represent the way the source will continue to operate in the future and are approved by the Administrator. You must determine the predominant activity at your facility and submit the results of that determination with the initial notification required by

§63.3910(b). Additionally, you must determine the facility's predominant activity annually and include the determination in the next semi-annual compliance report required by §63.3920(a).

(2) You may calculate and comply with a facility-specific emission limit as described in paragraphs (c)(2)(i) through (iii) of this section. If you elect to comply using the facility-specific emission limit alternative, then compliance with the facility-specific emission limit and the emission limitations in this subpart for all surface coating operations constitutes compliance with this and other applicable surface coating NESHAP. In calculating a facility-specific emission limit, you must include coating activities that meet the applicability criteria of the other subcategories and constitute more than 1 percent of total coating activities. 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.

(i) You are required to calculate the facility-specific emission limit for your facility when you submit the notification of compliance status required in §63.3910(c), and on a monthly basis afterward using the coating data for the relevant 12-month compliance period.

(ii) Use Equation 1 of this section to calculate the facility-specific emission limit for your surface coating operations for each 12-month compliance period.

$$\textit{Facility-Specific Emission Limit} = \frac{\sum_{i=1}^{n}(\text{Limit}_i)(Solids_i)}{\sum_{i=1}^{n}(Solids_i)} \qquad (Eq.\ 1)$$

Where:

Facility-specific emission limit = Facility-specific emission limit for each 12-month compliance period, kg (lb) organic HAP per kg (lb) coating solids used.

$Limit_i$= The new source or existing source emission limit applicable to coating operation, i, included in the facility-specific emission limit, converted to kg (lb) organic HAP per kg (lb) coating solids used, if the emission limit is not already in those units. All emission limits included in the facility-specific emission limit must be in the same units.

$Solids_i$= The liters (gal) of solids used in coating operation, i, in the 12-month compliance period that is subject to emission limit, i. You may estimate the volume of coating solids used from parameters other than coating consumption and volume solids content (*e.g.,* design specifications for the parts or products coated and the number of items produced). The use of parameters other than coating consumption and volume solids content must be approved by the Administrator.

n = The number of different coating operations included in the facility-specific emission limit.

(iii) If you need to convert an emission limit in another surface coating NESHAP from kg (lb) organic HAP per kg (lb) coating solids used to kg (lb) organic HAP per liter (gal) coating solids used, you must use the default solids density of 1.26 kg solids per liter coating solids (10.5 lb solids per gal solids).

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

You must include all coatings (as defined in §63.3981), thinners and/or other additives, and cleaning materials used in the affected source when determining whether the organic HAP emission rate is equal to or less than the applicable emission limit in §63.3890. To make this determination, you must use at least one of the three compliance options listed in paragraphs (a) through (c) of this section. You may apply any of the compliance options to an individual coating operation, or to multiple coating operations as a group, or to the entire affected source. You may use different compliance options for different coating operations, or at different times on the same coating operation. You may employ different compliance options when different coatings are applied to the same part, or when the same coating is applied to different parts. However, you may not use different compliance options at the same time on the same coating operation. If you switch between compliance options for any coating operation or group of coating operations,

you must document this switch as required by §63.3930(c), and you must report it in the next semiannual compliance report required in §63.3920.

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

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

§ 63.3892 What operating limits must I meet?

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

§ 63.3893 What work practice standards must I meet?

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

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

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

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

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

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

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

§ 63.3910 What notifications must I submit?

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

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

notification, and no other notifications are required under this subpart in regard to those metal parts coating operations.

(c) *Notification of compliance status.* You must submit the notification of compliance status required by §63.9(h) no later than 30 calendar days following the end of the initial compliance period described in §§63.3940, 63.3950, or 63.3960 that applies to your affected source. The notification of compliance status must contain the information specified in paragraphs (c)(1) through (11) of this section and in §63.9(h).

(1) Company name and address.

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

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

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

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

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

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

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

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

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

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

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

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

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

(i) For the compliant material option, provide an example calculation of the organic HAP content for one coating, using Equation 2 of §63.3941.

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

(10) If you are complying with a single emission limit representing the predominant activity under §63.3890(c)(1), include the calculations and supporting information used to demonstrate that this emission limit represents the predominant activity as specified in §63.3890(c)(1).

(11) If you are complying with a facility-specific emission limit under §63.3890(c)(2), include the calculation of the facility-specific emission limit and any supporting information as specified in §63.3890(c)(2).

[69 FR 157, Jan. 2, 2004, as amended at 69 FR 22660, Apr. 26, 2004]

§ 63.3920 What reports must I submit?

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

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

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

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

(iii) Each semiannual compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

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

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

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

(i) Company name and address.

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

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

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

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

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

(vii) If you used the facility-specific emission limit alternative (§63.3890(c)(2)), include the calculation of the facility-specific emission limit for each 12-month compliance period during the 6-month reporting period.

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

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

(ii) The calculation of the organic HAP content (using Equation 2 of §63.3941) for each coating identified in paragraph (a)(5)(i) of this section. You do not need to submit background data supporting this calculation (*e.g.,* information provided by coating suppliers or manufacturers, or test reports).

(iii) The determination of mass fraction of organic HAP for each thinner and/or other additive, and cleaning material identified in paragraph (a)(5)(i) of this section. You do not need to submit background data supporting this calculation (*e.g.,* information provided by material suppliers or manufacturers, or test reports).

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

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

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

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

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

§ 63.3930 What records must I keep?

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

§ 63.3940 By what date must I conduct the initial compliance demonstration?

You must complete the initial compliance demonstration for the initial compliance period according to the requirements in §63.3941. The initial compliance period begins on the applicable compliance date specified in §63.3883 and ends on the last day of the 12th month following the compliance date. If the compliance date occurs on any day other than the first day of a month, then the initial compliance period extends through that month plus the next 12 months. The initial compliance demonstration includes the calculations according to §63.3941 and supporting documentation showing that during the initial compliance period, you used no coating with an organic HAP content that exceeded the applicable emission limit in §63.3890, and that you used no thinners and/or other additives, or cleaning materials that contained organic HAP as determined according to §63.3941(a).

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

You may use the compliant material option for any individual coating operation, for any group of coating operations in the affected source, or for all the coating operations in the affected source. You must use either the emission rate without add-on controls option or the emission rate with add-on controls option for any coating operation in the affected source for which you do not use this option. To demonstrate initial compliance using the compliant material option, the coating operation or group of coating operations must use no coating with an organic HAP content that exceeds the applicable emission limits in §63.3890 and must use no thinner and/or other additive, or cleaning material that contains organic HAP as determined according to this section. Any coating operation for which you use the compliant material option is not required to meet the operating limits or work practice standards required in §§63.3892 and 63.3893, respectively. You must conduct a separate initial compliance demonstration for each general use, high performance, magnet wire, rubber-to-metal, and extreme performance fluoropolymer coating operation unless you are demonstrating compliance with a predominant activity or facility-specific emission limit as provided in §63.3890(c). If you are demonstrating compliance with a predominant activity or facility-specific emission limit as provided in §63.3890(c), you must demonstrate that all coating operations included in the predominant activity determination or calculation of the facility-specific emission limit comply with that limit. You must meet all the requirements of this section. Use the procedures in this section on each coating, thinner and/or other additive, and cleaning material in the condition it is in when it is received from its manufacturer or supplier and prior to any alteration. You do not need to redetermine the organic HAP content of coatings, thinners and/or other additives, and cleaning materials that are reclaimed on-site (or reclaimed off-site if you have documentation showing that you received back the exact same materials that were sent off-site) and reused in the coating operation for which you use the compliant material option, provided these materials in their condition as received were demonstrated to comply with the compliant material option.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Where:

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

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

D_{avg}= Average density of volatile matter in the coating, grams volatile matter per liter volatile matter, determined from test results using ASTM Method D1475–98, “Standard Test Method for Density of Liquid

Coatings, Inks, and Related Products" (incorporated by reference, see §63.14), information from the supplier or manufacturer of the material, or reference sources providing density or specific gravity data for pure materials. If there is disagreement between ASTM Method D1475–98 test results and other information sources, the test results will take precedence unless, after consultation you demonstrate to the satisfaction of the enforcement agency that the formulation data are correct.

(c) *Determine the density of each coating.* Determine the density of each coating used during the compliance period from test results using ASTM Method D1475–98, "Standard Test Method for Density of Liquid Coatings, Inks, and Related Products" (incorporated by reference, see §63.14), information from the supplier or manufacturer of the material, or specific gravity data for pure chemicals. If there is disagreement between ASTM Method D1475–98 test results and the supplier's or manufacturer's information, the test results will take precedence unless, after consultation you demonstrate to the satisfaction of the enforcement agency that the formulation data are correct.

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

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

Where:

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

D_c= Density of coating, kg coating per liter (gal) coating, determined according to paragraph (c) of this section.

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

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

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

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

(a) For each compliance period to demonstrate continuous compliance, you must use no coating for which the organic HAP content (determined using Equation 2 of §63.3941) exceeds the applicable emission limit in §63.3890, and use no thinner and/or other additive, or cleaning material that contains organic HAP, determined according to §63.3941(a). A compliance period consists of 12 months. Each month, after the end of the initial compliance period described in §63.3940, is the end of a compliance period consisting of that month and the preceding 11 months. If you are complying with a facility-specific emission limit under §63.3890(c), you must also perform the calculation using Equation 1 in §63.3890(c)(2) on a monthly basis using the data from the previous 12 months of operation.

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

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

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

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

You must complete the initial compliance demonstration for the initial compliance period according to the requirements of §63.3951. The initial compliance period begins on the applicable compliance date specified in §63.3883 and ends on the last day of the 12th month following the compliance date. If the compliance date occurs on any day other than the first day of a month, then the initial compliance period extends through the end of that month plus the next 12 months. You must determine the mass of organic HAP emissions and volume of coating solids used each month and then calculate an organic HAP emission rate at the end of the initial compliance period. The initial compliance demonstration includes the calculations according to §63.3951 and supporting documentation showing that during the initial compliance period the organic HAP emission rate was equal to or less than the applicable emission limit in §63.3890.

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

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

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

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

(c) *Determine the density of each material.* Determine the density of each liquid coating, thinner and/or other additive, and cleaning material used during each month from test results using ASTM Method D1475–98, “Standard Test Method for Density of Liquid Coatings, Inks, and Related Products” (incorporated by reference, see §63.14), information from the supplier or manufacturer of the material, or reference sources providing density or specific gravity data for pure materials. If you are including powder coatings in the compliance determination, determine the

density of powder coatings, using ASTM Method D5965–02, “Standard Test Methods for Specific Gravity of Coating Powders” (incorporated by reference, see §63.14), or information from the supplier. If there is disagreement between ASTM Method D1475–98 or ASTM Method D5965–02 test results and other such information sources, the test results will take precedence unless, after consultation you demonstrate to the satisfaction of the enforcement agency that the formulation data are correct. If you purchase materials or monitor consumption by weight instead of volume, you do not need to determine material density. Instead, you may use the material weight in place of the combined terms for density and volume in Equations 1A, 1B, 1C, and 2 of this section.

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

(e) *Calculate the mass of organic HAP emissions.* The mass of organic HAP emissions is the combined mass of organic HAP contained in all coatings, thinners and/or other additives, and cleaning materials used during each month minus the organic HAP in certain waste materials. Calculate the mass of organic HAP emissions using Equation 1 of this section.

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

Where:

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

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

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

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

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

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

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

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 §63.3981, use the mass fraction of organic HAP that is emitted as determined using the method in appendix A to subpart PPPP of this part.

m = Number of different coatings used during the month.

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

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

Where:

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

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

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

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

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

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

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

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 §63.3930(h). If waste manifests include this information, they may be used as part of the documentation of the amount of waste materials and mass of organic HAP contained in them.

(f) *Calculate the total volume of coating solids used.* Determine the total volume of coating solids used, liters, which is the combined volume of coating solids for all the coatings used during each month, using Equation 2 of this section:

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

Where:

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

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

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

m = Number of coatings used during the month.

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

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

Where:

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

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

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

y = Identifier for months.

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

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

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

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

you are complying with a facility-specific emission limit under §63.3890(c), you must also perform the calculation using Equation 1 in §63.3890(c)(2) on a monthly basis using the data from the previous 12 months of operation.

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

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

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

§ 63.3980 Who implements and enforces this subpart?

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

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

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

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

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

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

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

§ 63.3981 What definitions apply to this subpart?

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

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

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

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

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

light-duty trucks NESHAP. Assembled on-road vehicle coating also does not include the use of adhesives, sealants, and caulks used in assembling on-road vehicles.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Organic HAP content means the mass of organic HAP emitted per volume of coating solids used for a coating calculated using Equation 2 of §63.3941. The organic HAP content is determined for the coating in the condition it is in when received from its manufacturer or supplier and does not account for any alteration after receipt. For reactive

adhesives in which some of the HAP react to form solids and are not emitted to the atmosphere, organic HAP content is the mass of organic HAP that is emitted, rather than the organic HAP content of the coating as it is received.

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Citation	Subject	Applicable to subpart MMMM	Explanation
§63.1(a)(1)–(14)	General Applicability	Yes	
§63.1(b)(1)–(3)	Initial Applicability Determination	Yes	Applicability to subpart MMMM is also specified in §63.3881.
§63.1(c)(1)	Applicability After Standard Established	Yes	
§63.1(c)(2)–(3)	Applicability of Permit Program for Area Sources	No	Area sources are not subject to subpart MMMM.
§63.1(c)(4)–(5)	Extensions and Notifications	Yes	
§63.1(e)	Applicability of Permit Program Before Relevant Standard is Set	Yes	
§63.2	Definitions	Yes	Additional definitions are specified in §63.3981.
§63.1(a)–(c)	Units and Abbreviations	Yes	
§63.4(a)(1)–(5)	Prohibited Activities	Yes	
§63.4(b)–(c)	Circumvention/Severability	Yes	
§63.5(a)	Construction/Reconstruction	Yes	
§63.5(b)(1)–(6)	Requirements for Existing Newly Constructed, and Reconstructed Sources	Yes	
§63.5(d)	Application for Approval of Construction/Reconstruction	Yes	
§63.5(e)	Approval of Construction/Reconstruction	Yes	
§63.5(f)	Approval of Construction/Reconstruction Based on Prior State Review	Yes	
§63.6(a)	Compliance With Standards and Maintenance Requirements—Applicability	Yes	
§63.6(b)(1)–(7)	Compliance Dates for New and Reconstructed Sources	Yes	Section 63.3883 specifies the compliance dates.
§63.6(c)(1)–(5)	Compliance Dates for Existing Sources	Yes	Section 63.3883 specifies the compliance dates.
§63.6(e)(1)–	Operation and Maintenance	Yes	

(2)			
§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 MMMM does not establish opacity standards and does not require continuous opacity monitoring systems (COMS).
§63.6(i)(1)–(16)	Extension of Compliance	Yes	
§63.6(j)	Presidential Compliance Exemption	Yes	
§63.7(a)(1)	Performance Test Requirements—Applicability	Yes	Applies to all affected sources. Additional requirements for performance testing are specified in §§63.3964, 63.3965, and 63.3966.
§63.7(a)(2)	Performance Test Requirements—Dates	Yes	Applies only to performance tests for capture system and control device efficiency at sources using these to comply with the standard. Section 63.3960 specifies the schedule for performance test requirements that are earlier than those specified in §63.7(a)(2).
§63.7(a)(3)	Performance Tests Required By the Administrator	Yes	
§63.7(b)–(e)	Performance Test Requirements—Notification, Quality Assurance, Facilities Necessary for Safe Testing, Conditions During Test	Yes	Applies only to performance tests for capture system and add-on control device efficiency at sources using these to comply with the standard.
§63.7(f)	Performance Test Requirements—Use of Alternative Test Method	Yes	Applies to all test methods except those used to determine capture system efficiency.
§63.7(g)–(h)	Performance Test Requirements—Data Analysis, Recordkeeping, Reporting, Waiver of Test	Yes	Applies only to performance tests for capture system and add-on control device efficiency at sources using these to comply with the standard.

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

			with the standard.
§63.9(f)	Notification of Visible Emissions/Opacity Test	No	Subpart MMMM does not have opacity or visible emissions standards.
§63.9(g)(1)–(3)	Additional Notifications When Using CMS	No	Subpart MMMM does not require the use of continuous emissions monitoring systems.
§63.9(h)	Notification of Compliance Status	Yes	Section 63.3910 specifies the dates for submitting the notification of compliance status.
§63.9(i)	Adjustment of Submittal Deadlines	Yes	
§63.9(j)	Change in Previous Information	Yes	
§63.10(a)	Recordkeeping/Reporting—Applicability and General Information	Yes	
§63.10(b)(1)	General Recordkeeping Requirements	Yes	Additional requirements are specified in §§63.3930 and 63.3931.
§63.10(b)(2)(i)–(v)	Recordkeeping Relevant to Startup, Shutdown, and Malfunction Periods and CMS	Yes	Requirements for startup, shutdown, and malfunction records only apply to add-on control devices used to comply with the standard.
§63.10(b)(2)(vi)–(xi)		Yes	
§63.10(b)(2)(xii)	Records	Yes	
§63.10(b)(2)(xiii)		No	Subpart MMMM does not require the use of continuous emissions monitoring systems.
§63.10(b)(2)(xiv)		Yes	
§63.10(b)(3)	Recordkeeping Requirements for Applicability Determinations	Yes	
§63.10(c)(1)–(6)	Additional Recordkeeping Requirements for Sources with CMS	Yes	
§63.10(c)(7)–(8)		No	The same records are required in §63.3920(a)(7).
§63.10(c)(9)–(15)		Yes	
§63.10(d)(1)	General Reporting Requirements	Yes	Additional requirements are specified in §63.3920.
§63.10(d)(2)	Report of Performance Test Results	Yes	Additional requirements are specified in §63.3920(b).

§63.10(d)(3)	Reporting Opacity or Visible Emissions Observations	No	Subpart MMMM does not require opacity or visible emissions observations.
§63.10(d)(4)	Progress Reports for Sources With Compliance Extensions	Yes	
§63.10(d)(5)	Startup, Shutdown, and Malfunction Reports	Yes	Applies only to add-on control devices at sources using these to comply with the standard.
§63.10(e)(1)–(2)	Additional CMS Reports	No	Subpart MMMM does not require the use of continuous emissions monitoring systems.
§63.10(e) (3)	Excess Emissions/CMS Performance Reports	No	Section 63.3920 (b) specifies the contents of periodic compliance reports.
§63.10(e) (4)	COMS Data Reports	No	Subpart MMMMM does not specify requirements for opacity or COMS.
§63.10(f)	Recordkeeping/Reporting Waiver	Yes	
§63.11	Control Device Requirements/Flares	No	Subpart MMMM does not specify use of flares for compliance.
§63.12	State Authority and Delegations	Yes	
§63.13	Addresses	Yes	
§63.14	Incorporation by Reference	Yes	
§63.15	Availability of Information/Confidentiality	Yes	

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

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

Solvent/solvent blend	CAS. No.	Average organic HAP mass fraction	Typical organic HAP, percent by mass
1. Toluene	108–88–3	1.0	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.

SECTION E.2 NESHAP PPPP FACILITY OPERATION CONDITIONS

NESHAP PPPP

(a) Two (2) lamination booths, located in Plant 56, identified as Lam 1 and Lam 2, installed in 1990, exhausting to Stacks Lam 1 and Lam 2, capacity: 1.0 unit per hour, each.

(b) Two (2) paint booths, located in 22/58Paint, identified as Booth 1 and Booth 2, installed in 1985 and modified in 1999, equipped with high volume low pressure (HVLP) spray applicators and dry filters for particulate control, exhausting to three (3) stacks, collectively identified as G-1 and three (3) stacks, collectively identified as G-2 capacity: 1.0 unit per hour for motor homes, 0.25 units per hour for buses, 2.0 units per hour for vans and pickup trucks, or 0.25 units per hour for travel trailers, for each paint booth. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, these are considered miscellaneous metal parts and products and plastic parts and products coating facilities, respectively.

(c) One (1) paint booth, located in Plant 22/58Paint, identified as Booth 3, installed in 1999, equipped with high volume low pressure (HVLP) spray applicators and dry filters for particulate control, exhausting to three (3) stacks, collectively identified as G-3, capacity: 1.0 unit per hour for motor homes, 0.25 units per hour for buses, 2.0 units per hour for vans and pickup trucks, or 0.25 units per hour for travel trailers. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(d) Two (2) paint booths, identified as Booth 4 (located in 22/58Paint) and Booth 5 (located in Plant 51), installed in 1999, equipped with high volume low pressure (HVLP) spray guns and dry filters for particulate control, exhausting to Stacks G-4 and G-5, capacity: 0.25 units per hour, each. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, these are considered miscellaneous metal parts and products and plastic parts and products coating facilities, respectively.

(e) One (1) coating and assembly area for glass, metal, plastic, and wood parts, identified as Assembly 58, installed in 1985, exhausting to Stacks V-14, G-6, and G-7 (with dry filters as particulate control) and Stacks V-12 and V-13 (without particulate control), capacity: 1.0 unit for motor homes, buses, vans, pick-up trucks, and travel trailers per hour. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(f) One (1) coating and assembly area, known as Assembly 51, installed in 1990, exhausting to Stack V-51, capacity: 3.25 units per hour. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(g) Two (2) coating application systems, identified as 53P2, 53P3, approved for construction in 2008, located in Building 12 and operated as Plant 53, with a total maximum coating capacity of 1920 square feet per hour, equipped with dry filters for particulate overspray control, and exhausting to one (1) vent, identified as V3. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(h) One (1) coating application system, identified as 53P1, approved for construction in 2008, located in Building 12 and operated as Plant 53, with a maximum coating capacity of 1920 square feet per hour, and exhausting to three (3) vents, all identified as V2. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(i) One (1) coating application system, identified as 53P4, approved for construction in 2008, located in Building 12a and operated as Plant 53b, with a maximum coating capacity of 1920 square feet per hour, equipped with dry filters for particulate overspray control, and exhausting to one (1) vent,

identified as V4. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(j) Four (4) coating application systems, identified as 67P1, 67P2, 67P3, and 67P4, approved for construction in 2008, located in Building 1 and operated as Plant 67, with a total maximum coating capacity of 1920 square feet per hour, and exhausting to four (4) vents, all identified as V1. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(k) One (1) fifth wheel and travel trailer assembly area, identified as Building 55, installed in 1993, capacity: 1.0 unit per hour, consisting of the following:

(1) Plant 69 Lamination and Welding, installed in 2003, consisting of:

(A) One (1) lamination area, identified as Lam 3, capacity: 1.0 unit per hour.

(2) Plant 60 Mini Vista Cruiser, installed in 1993, consisting of:

(A) One (1) adhesive and cement application, identified as 55A, capacity: 1.0 unit per hour.

(B) One (1) surface coating area, identified as 55SC, using brushes, caulk guns, aerosol spray guns, and high volume low pressure spray (HVLP) spray guns to apply materials, capacity: 1.0 unit per hour. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(l) One (1) fifth wheel and travel trailer assembly area, identified as Plant 59 (Seahawk Recreational Vehicles, Inc.), installed in 1993, capacity: 1.0 unit per hour, consisting of the following:

(1) One (1) adhesive and cement application, identified as 59A, capacity: 1.0 unit per hour.

(2) One (1) surface coating area, identified as 59SC, using brushes, caulk guns, aerosol spray guns, and high volume low pressure (HVLP) spray guns to apply materials, capacity: 1.0 unit per hour. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

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

E.2.1 General Provisions Relating to NESHAP, 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 five (5) paint booths, identified as Booths 1 through 5, located in Plant 58, the coating and assembly areas, identified as Assembly 51, Assembly 58, Plant 53, Plant 67, and the fifth wheel and travel trailer assembly areas identified as Building 55 and Plant 59 (Seahawk Recreational Vehicles, Inc.), as specified in Table 2 of 40 CFR Part 63, Subpart PPPP in accordance with the schedule in 40 CFR 63 Subpart PPPP.

E.2.2 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 five (5) paint booths, identified as Booths 1 through 5, located in Plant 58, the coating and assembly areas, identified as Assembly 51, Assembly 58, Plant 53, Plant 67, and the fifth wheel and travel trailer assembly

areas identified as Building 55 and Plant 59 (Seahawk Recreational Vehicles, Inc.), 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.

(3) The automotive lamp coating subcategory includes the surface coating of plastic components of the body of an exterior automotive lamp including, but not limited to, headlamps, tail lamps, turn signals, and marker (clearance) lamps; typical coatings used are reflective argent coatings and clear topcoats. This subcategory does not include the coating of interior automotive lamps, such as dome lamps and instrument panel lamps.

(4) The TPO coating subcategory includes the surface coating of TPO substrates; typical coatings used are adhesion promoters, color coatings, clear coatings and topcoats. The coating of TPO substrates on fully assembled on-road vehicles is not included in the TPO coating subcategory.

(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.

(1) You may have each surface coating operation that meets the applicability criteria of a separate NESHAP comply with that NESHAP separately.

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

(i) If a surface coating operation accounts for 90 percent or more of the surface coating activity at your facility (that is, the predominant activity), then compliance with the emission limitations of the predominant activity for all surface coating operations constitutes compliance with these and other applicable surface coating NESHAP. In determining predominant activity, you must include coating activities that meet the applicability criteria of other surface coating NESHAP and constitute more than 1 percent of total coating activities at your facility. Coating activities that meet the applicability criteria of other surface coating NESHAP but comprise less than 1 percent of coating activities need not be included in the determination of predominant activity but must be included in the compliance calculation.

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

(3) You may comply with a facility-specific emission limit calculated from the relative amount of coating activity that is subject to each emission limit. If you elect to comply using the facility-specific emission limit alternative, then compliance with the facility-specific emission limit and the emission limitations in this subpart for all surface coating operations constitutes compliance with this subpart and other applicable surface coating NESHAP. The procedures for calculating the facility-specific emission limit are specified in §63.4490. In calculating a facility-specific emission limit, you must include coating activities that meet the applicability criteria of other surface coating NESHAP and constitute more than 1 percent of total coating activities at your facility. You must not consider any surface coating activity that is subject to the Surface Coating of Automobiles and Light-Duty Trucks NESHAP (40 CFR part 63, subpart IIII) in determining a facility-specific emission limit for your facility. Coating activities that meet the applicability criteria of other surface coating NESHAP but comprise less than 1 percent of total coating activities need not be included in the calculation of the facility-specific emission limit but must be included in the compliance calculations.

[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.

(2) For each existing automotive lamp coating affected source, limit organic HAP emissions to no more than 0.45 kg (0.45 lb) organic HAP emitted per kg (lb) coating solids used during each 12-month compliance period.

(3) For each existing TPO coating affected source, limit organic HAP emissions to no more than 0.26 kg (0.26 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).

(2) You may calculate and comply with a facility-specific emission limit as described in paragraphs (c)(2)(i) through (iii) of this section. If you elect to comply using the facility-specific emission limit alternative, then compliance with the facility-specific emission limit and the emission limitations in this subpart for all surface coating operations constitutes compliance with this and other applicable surface coating NESHAP. In calculating a facility-specific emission limit, you must include coating activities that meet the applicability criteria of the other subcategories and constitute more than 1 percent of total coating activities. 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.

(i) You are required to calculate the facility-specific emission limit for your facility when you submit the notification of compliance status required in §63.4510(c), and on a monthly basis afterward using the coating data for the relevant 12-month compliance period.

(ii) Use Equation 1 of this section to calculate the facility-specific emission limit for your surface coating operations for each 12-month compliance period.

$$Facility-Specific\ \text{Emission Limit} = \frac{\sum_{i=1}^{n}(\text{Limit}_i)(Solids_i)}{\sum_{i=1}^{n}(Solids_i)} \qquad (Eq.\ 1)$$

Where:

Facility-specific emission limit = Facility-specific emission limit for each 12-month compliance period, kg (lb) organic HAP per kg (lb) coating solids used.

$Limit_i$= The new source or existing source emission limit applicable to coating operation, i, included in the facility-specific emission limit, converted to kg (lb) organic HAP per kg (lb) coating solids used, if the emission limit is not already in those units. All emission limits included in the facility-specific emission limit must be in the same units.

$Solids_i$= The kg (lb) of solids used in coating operation, i, in the 12-month compliance period that is subject to emission limit, i. You may estimate the 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 use of parameters other than coating consumption and mass solids content must be approved by the Administrator.

n = The number of different coating operations included in the facility-specific emission limit.

(iii) If you need to convert an emission limit in another surface coating NESHAP from kg (lb) organic HAP per liter (gallon) coating solids used to kg (lb) organic HAP per kg (lb) coating solids used, you must use the default solids density of 1.50 kg solids per liter coating solids (12.5 lb solids per gal solids).

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

You must include all coatings (as defined in §63.4581), thinners and/or other additives, and cleaning materials used in the affected source when determining whether the organic HAP emission rate is equal to or less than the applicable emission limit in §63.4490. To make this determination, you must use at least one of the three compliance options listed in paragraphs (a) through (c) of this section. You may apply any of the compliance options to an individual coating operation, or to multiple coating operations as a group, or to the entire affected source. You may use different compliance options for different coating operations, or at different times on the same coating operation. You may employ different compliance options when different coatings are applied to the same part, or when the same coating is applied to different parts. However, you may not use different compliance options at the same time on the same coating operation. If you switch between compliance options for any coating operation or group of coating operations, you must document this switch as required by §63.4530(c), and you must report it in the next semiannual compliance report required in §63.4520.

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

(b) *Emission rate without add-on controls option.* Demonstrate that, based on the coatings, thinners and/or other additives, and cleaning materials used in the coating operation(s), the organic HAP emission rate for the coating operation(s) is less than or equal to the applicable emission limit in §63.4490, calculated as a rolling 12-month emission rate and determined on a monthly basis. You must meet all the requirements of §§63.4550, 63.4551, and 63.4552 to demonstrate compliance with the emission limit using this option.

§ 63.4492 What operating limits must I meet?

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

§ 63.4493 What work practice standards must I meet?

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

§ 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.

(i) For the compliant material option, provide an example calculation of the organic HAP content for one coating, using Equation 1 of §63.4541.

(ii) For the emission rate without add-on controls option, provide the calculation of the total mass of organic HAP emissions for each month; the calculation of the total mass of coating solids used each month; and the calculation of the 12-month organic HAP emission rate using Equations 1 and 1A through 1C, 2, and 3, respectively, of §63.4551.

(iii) For the emission rate with add-on controls option, provide 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 and 1A through 1C of §63.4551; the calculation of the total mass of coating solids used each month using Equation 2 of §63.4551; the mass of organic HAP emission reduction each month by emission capture systems and add-on control devices using Equations 1 and 1A through 1D of §63.4561 and Equations 2, 3, and 3A through 3C of §63.4561, as applicable; the calculation of the total mass of organic HAP emissions each month using Equation 4 of §63.4561; and the calculation of the 12-month organic HAP emission rate using Equation 5 of §63.4561.

(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).

(11) If you are complying with a facility-specific emission limit under §63.4490(c)(2), include the calculation of the facility-specific emission limit and any supporting information as specified in §63.4490(c)(2).

[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.

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

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

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

(iii) The determination of mass fraction of organic HAP for each thinner and/or other additive, and cleaning material identified in paragraph (a)(5)(i) of this section. You do not need to submit background data supporting this calculation (*e.g.,* information provided by material suppliers or manufacturers, or test reports).

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

(6) *Deviations: Emission rate without add-on controls option.* If you used the emission rate without add-on controls option and there was a deviation from the applicable emission limit in §63.4490, the semiannual compliance report must contain the information in paragraphs (a)(6)(i) through (iii) of this section.

(i) The beginning and ending dates of each compliance period during which the 12-month organic HAP emission rate exceeded the applicable emission limit in §63.4490.

(ii) The calculations used to determine the 12-month organic HAP emission rate for the compliance period in which the deviation occurred. You must submit the calculations for Equations 1, 1A through 1C, 2, and 3 of §63.4551; and if applicable, the calculation used to determine mass of organic HAP in waste materials according to §63.4551(e)(4). You do not need to submit background data supporting these calculations (*e.g.,* information provided by materials suppliers or manufacturers, or test reports).

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

§ 63.4530 What records must I keep?

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

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

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

(3) For the emission rate without add-on controls option, a record of the calculation of the total mass of organic HAP emissions for the coatings, thinners and/or other additives, and cleaning materials used each month using Equations 1, 1A through 1C, and 2 of §63.4551 and, if applicable, the calculation used to determine mass of organic HAP in waste materials according to §63.4551(e)(4); the calculation of the total mass of coating solids used each month using Equation 2 of §63.4551; and the calculation of each 12-month organic HAP emission rate using Equation 3 of §63.4551.

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

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

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

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

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

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

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

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

§ 63.4531 In what form and for how long must I keep my records?

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

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

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

§ 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.

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

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

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

§ 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:

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

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:

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

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	No	Subpart PPPP does not have opacity

	Emissions/Opacity Test		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: Gulf Stream Coach, Inc.
Source Address: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Mailing Address: 502 South Oakland Avenue, Nappanee, Indiana 46550
Part 70 Permit No.: T 039-23289-00145

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
MC61-53 IGCN 1003
Indianapolis, Indiana 46204-2251
Phone: 317-233-0178
Fax: 317-233-6865

PART 70 OPERATING PERMIT
EMERGENCY OCCURRENCE REPORT

Source Name: Gulf Stream Coach, Inc.
Source Address: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Mailing Address: 502 South Oakland Avenue, Nappanee, Indiana 46550
Part 70 Permit No.: T 039-23289-00145

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

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

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

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

If any of the following are not applicable, mark N/A **Page 2 of 2**

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

Form Completed by: _____

Title / Position: _____

Date: _____

Phone: _____

A certification is not required for this report.

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

Part 70 Quarterly Report

Source Name: Gulf Stream Coach, Inc.
Source Address: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Mailing Address: 502 South Oakland Avenue, Nappanee, Indiana 46550
Part 70 Permit No.: T 039-23289-00145
Facilities: Paint Booths 1 through 5
Parameter: VOC Usage
Limit: No more than one hundred twenty-nine (129) tons per twelve (12) consecutive month period.

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: Gulf Stream Coach, Inc.
Source Address: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Mailing Address: 502 South Oakland Avenue, Nappanee, Indiana 46550
Part 70 Permit No.: T 039-23289-00145
Facilities: Assembly area, identified as Assembly 51, the coating and Assembly area, identified as Assembly 58, and the two (2) lamination booths, identified as Lam 1 and Lam 2
Parameter: VOC Usage
Limit: Less than fifty-five (55) tons per twelve (12) consecutive month period

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: Gulf Stream Coach, Inc.
Source Address: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Mailing Address: 502 South Oakland Avenue, Nappanee, Indiana 46550
Part 70 Permit No.: T 039-23289-00145
Facilities: Plant 53
Parameter: VOC Usage
Limit: Less than twenty-two (22) tons per twelve (12) consecutive month period.

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: Gulf Stream Coach, Inc.
Source Address: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Mailing Address: 502 South Oakland Avenue, Nappanee, Indiana 46550
Part 70 Permit No.: T 039-23289-00145
Facilities: Plant 67
Parameter: VOC Usage
Limit: Less than eighteen (18) tons per twelve (12) consecutive month period.

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: Gulf Stream Coach, Inc.
Source Address: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Mailing Address: 502 South Oakland Avenue, Nappanee, Indiana 46550
Part 70 Permit No.: T 039-23289-00145
Facilities: Adhesive and cement application and caulking and gluing operations applicators of Plant 55 and Plant 59
Parameter: VOC Usage
Limit: Less than nineteen (19) tons per twelve (12) consecutive month period.

YEAR: _____

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

☐ No deviation occurred in this month.

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

Submitted by: _____

Title/Position: _____

Signature: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

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

PART 70 OPERATING PERMIT
QUARTERLY DEVIATION AND COMPLIANCE MONITORING REPORT

Source Name: Gulf Stream Coach, Inc.
Source Address: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Mailing Address: 502 South Oakland Avenue, Nappanee, Indiana 46550
Part 70 Permit No.: T 039-23289-00145

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

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

☐ NO DEVIATIONS OCCURRED THIS REPORTING PERIOD.

☐ THE FOLLOWING DEVIATIONS OCCURRED THIS REPORTING PERIOD

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

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

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

Form Completed By: _____

Title/Position: _____

Date: _____

Phone: _____

Attach a signed certification to complete this report.

Indiana Department of Environmental Management
Office of Air Quality

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

Source Background and Description

Source Name:	Gulf Stream Coach, Inc.
Source Location:	502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Counties:	Elkhart & Kosciusko
SIC Code:	3716, 3792
Permit Renewal No.:	T039-23289-00145
Permit Reviewer:	Stephanie Wilkerson

The Office of Air Quality (OAQ) has reviewed the operating permit renewal application from Gulf Stream Coach, Inc. relating to the operation of an assembly of a motor home, bus, van, pick-up truck, fifth wheel, and travel trailer source.

History

On June 28, 2006, Gulf Stream Coach, Inc. submitted an application to the OAQ requesting to renew its operating permit. Gulf Stream Coach, Inc. was issued a Part 70 Operating Permit, T039-7740-00145 on March 28, 2002.

In the Gulf Stream Coach, Inc. Part 70 Operating Permit, T039-7740-00145, issued on March 28, 2002, Monogram Conversions, Inc., and Gulf Stream Coach, Inc., were considered one (1) source. For this renewal, and at the request of the source, the Monogram Conversions, Inc. name has been removed and the previously separate permits have been combined.

Source Definition

This source definition for this source is incorporated into this permit as follows:

This assembly operation of motor homes, buses, vans, pick-up trucks, fifth wheels and travel trailers company source consists of four (4) segments:

(a) Segment 1, Gulf Stream Coach, Inc. is located at 502, 503, and 504 South Oakland Avenue, Nappanee, Indiana (Elkhart County),

(b) Segment 2, Gulf Stream Coach, Inc. is located at 853 South Oakland, Nappanee, Indiana (Kosciusko County),

(c) Segment 3, Gulf Stream Coach, Inc. is located at 2404 E. Market Street, Nappanee, Indiana (Elkhart County); and

(d) Segment 4, Seahawk Recreational Vehicles, Inc. is located at 26535 US 6 East, Nappanee, Indiana (Elkhart County).

IDEM, OAQ determined that the four (4) segments are one (1) source in T 039-7740-00145, issued on March 28, 2002, as follows:

Gulf Stream Coach owns greater than 50% of the Seahawk Recreational Vehicles, Inc. stationary sources. Segments 1 and 2 of Gulf Stream Coach, Inc. are located approximately one (1) mile from Segment 3 and Seahawk Recreational Vehicles, Inc. Since the four (4) Segments are located on adjacent properties, have the same SIC codes, and Gulf Stream Coach owns greater than 50% Seahawk Recreational Vehicles, Inc., they will be considered one (1) source.

IDEM has determined that Segments 1, 2, and 3, Gulf Stream Coach, Inc., and Segment 4, Seahawk Recreational Vehicles, Inc., are under the common control of Gulf Stream Coach, Inc. These four (4) Segments are considered one source due to contractual control. Therefore, the term "source" in the Part 70 documents refers to both Gulf Stream Coach, Inc. and Seahawk Recreational Vehicles, Inc., as one source. One (1) permit will be issued to the source.

Permitted Emission Units and Pollution Control Equipment

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

(a) Two (2) lamination booths, located in Plant 56, identified as Lam 1 and Lam 2, installed in 1990, exhausting to Stacks Lam 1 and Lam 2, capacity: 1.0 unit per hour, each.

(b) Two (2) paint booths for metal, fiberglass, and plastic parts, located in 22/58Paint, identified as Booth 1 and Booth 2, installed in 1985 and modified in 1999, equipped with high volume low pressure (HVLP) spray applicators and dry filters for particulate control, exhausting to three (3) stacks, collectively identified as G-1 and three (3) stacks, collectively identified as G-2, capacity: 1.0 unit per hour for motor homes, 0.25 units per hour for buses, 2.0 units per hour for vans and pickup trucks, or 0.25 units per hour for travel trailers, for each paint booth. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, these are considered miscellaneous metal parts and products and plastic parts and products coating facilities, respectively.

(c) One (1) woodworking area, identified as Wood 51, installed in 1987, equipped with a cyclone, exhausting to Stack D-51A, capacity: 8,120 pounds of wood per hour.

(d) One (1) woodworking area, identified as Wood 58, installed in 1985, equipped with three (3) cyclones, exhausting to Stacks D-552-A, D-552-B, and D552-C, capacity: 2,568 pounds of wood per hour.

(e) One (1) paint booth for metal, fiberglass, and plastic parts, located in 22/58Paint, identified as Booth 3, installed in 1999, equipped with high volume low pressure (HVLP) spray applicators and dry filters for particulate control, exhausting to three (3) stacks, collectively identified as G-3, capacity: 1.0 unit per hour for motor homes, 0.25 units for hour for buses, 2.0 units per hour for vans and pickup trucks, or 0.25 units per hour for travel trailers. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(f) Two (2) paint booths for metal, fiberglass, and plastic parts, identified as Booth 4 (located in 22/58Paint) and Booth 5 (located in Plant 51), installed in 1999, equipped with high volume low pressure (HVLP) spray guns and dry filters for particulate control, exhausting to Stacks G-4 and G-5, capacity: 0.25 units for motor homes, buses, vans, pick-up trucks, and travel trailers per hour, each. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, these are considered miscellaneous metal parts and products and plastic parts and products coating facilities, respectively.

(g) One (1) coating and assembly area for glass, metal, plastic, and wood parts, identified as Assembly 58, installed in 1985, exhausting to Stacks V-14, G-6, and G-7 (with dry filters as particulate control) and Stacks V-12 and V-13 (without particulate control), capacity: 1.0 unit for motor homes, buses, vans, pick-up trucks, and travel trailers per hour. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(h) One (1) coating and assembly area for metal, plastic, and wood parts, identified as Assembly 51, installed in 1990, exhausting to Stack V-51, capacity: 3.25 units for motor

homes, buses, vans, pick-up trucks, and travel trailers per hour. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(i) Two (2) coating application systems, identified as 53P2, 53P3, approved for construction in 2008, located in Building 12 and operated as Plant 53, with a total maximum coating capacity of 1920 square feet per hour, equipped with dry filters for particulate overspray control, and exhausting to one (1) vent, identified as V3. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(j) One (1) coating application system, identified as 53P1, approved for construction in 2008, located in Building 12 and operated as Plant 53, with a maximum coating capacity of 1920 square feet per hour, and exhausting to three (3) vents, all identified as V2. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(k) One (1) coating application system, identified as 53P4, approved for construction in 2008, located in Building 12a and operated as Plant 53b, with a maximum coating capacity of 1920 square feet per hour, equipped with dry filters for particulate overspray control, and exhausting to one (1) vent, identified as V4. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(l) Facilities using sealants, adhesives, caulks, and other miscellaneous VOC containing materials, identified as 53SAC, approved for construction in 2008, located in Building 12 and operated as Plant 53, with a total maximum coating capacity of 1920 square feet per hour, and exhausting to three (3) vents, all identified as V2.

(m) One (1) woodworking area, containing various woodworking equipment, identified as 53WWE, approved for construction in 2008, located in Building 12 and operated as Plant 53, equipped with seven (7) internal baghouses (2 at 650 cfm and 5 at 1100 cfm each), for particulate control and one (1) cyclone exhausting to one (1) stack, identified as D-53, capacity: 2,568 pounds of wood per hour.

(n) Four (4) coating application systems, identified as 67P1, 67P2, 67P3, and 67P4, approved for construction in 2008, located in Building 1 and operated as Plant 67, with a total maximum coating capacity of 1920 square feet per hour, and exhausting to four (4) vents, all identified as V1. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(o) Facilities using sealants, adhesives, caulks, and other miscellaneous VOC containing materials (67SAC), approved for construction in 2008, located in Building 1 and operated as Plant 67, with a total maximum coating capacity of 1920 square feet per hour, and exhausting to four (4) vents, all identified as V1.

(p) One (1) woodworking area, containing various woodworking equipment, identified as 67WWE, approved for construction in 2008, located in Building 1 and operated as Plant 67, equipped with one (1) internal 500 cfm baghouse for particulate control and one (1) cyclone exhausting to one (1) stack, identified as D-1, capacity: 8,120 pounds of wood per hour.

(q) One (1) fifth wheel and travel trailer assembly area, identified as Building 55, installed in 1993, capacity: 1.0 unit per hour, consisting of the following:

(1) Plant 69 Lamination and Welding, installed in 2003, consisting of:

(A) One (1) lamination area, identified as Lam 3, capacity: 1.0 unit per hour.

(B) One (1) welding operation, identified as 69W, capacity: 0.8 pounds of weld wire per hour.

(2) Plant 60 Mini Vista Cruiser, installed in 1993, consisting of:

(A) One (1) adhesive and cement application, identified as 55A, capacity: 1.0 unit per hour.

(B) One (1) surface coating area, identified as 55SC, using brushes, caulk guns, aerosol spray guns, and high volume low pressure spray (HVLP) spray guns to apply materials, capacity: 1.0 unit per hour. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(C) One (1) woodworking operation, identified as D555, equipped with a cyclone exhausting to Stack D-555, capacity: 5,109 pounds of wood per hour.

(r) One (1) fifth wheel and travel trailer assembly area, identified as Plant 59 (Seahawk Recreational Vehicles, Inc.), installed in 1993, capacity: 1.0 unit per hour, consisting of the following:

(1) One (1) adhesive and cement application, identified as 59A, capacity: 1.0 unit per hour.

(2) One (1) surface coating area, identified as 59SC, using brushes, caulk guns, aerosol spray guns, and high volume low pressure (HVLP) spray guns to apply materials, capacity: 1.0 unit per hour. Under NESHAP 40 CFR 63, Subparts MMMM and PPPP, this is considered a miscellaneous metal parts and products and plastic parts and products coating facility, respectively.

(3) One (1) woodworking operation, identified as D559, installed in 2003, equipped with a cyclone exhausting to Stack D-559, capacity: 5,109 pounds of wood per hour.

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

The source does not consist of any emission units or pollution control equipment constructed and/or operated without a permit.

Emission Units and Pollution Control Equipment Removed From the Source

No emission units or pollution control equipment have been removed from the source.

Insignificant Activities

The source also consists of the following insignificant activities, 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 with a total heat input capacity of 35.018 million British thermal units per hour, including the following:

(1) One (1) radiant air heater, identified as Z-1, exhausting through Vent Z-1, heat input capacity: 0.100 MMBtu/hr.

(2) Nine (9) radiant air heaters, identified as Z-2, exhausting through Vent Z-2, heat input capacity: 0.100 MMBtu/hr, total.

(3) One (1) radiant air heater, identified as Z-3, exhausting through Vent Z-3, heat input capacity: 0.075 MMBtu/hr.

(4) One (1) forced air heater, identified as Z-4, exhausting through Vent Z-4, heat input capacity: 0.25 MMBtu/hr.

(5) Three (3) forced air heaters, identified as Z-5, exhausting through Vent Z-5, heat input capacity: 0.200 MMBtu/hr.

(6) Two (2) make-up heaters, identified as Z-6, exhausting through Vent Z-6, heat input capacity: 3.92 MMBtu/hr, total.

(7) One (1) make-up heater, identified as Z-7, exhausting through Vent Z-7, heat input capacity: 2.39 MMBtu/hr.

(8) Six (6) make-up heaters, identified as H, exhausting through Vent H, heat input capacity: 3.00 MMBtu/hr, total.

(9) Seven (7) radiant air heaters, identified as X-1, exhausting through Vent X-1, heat input capacity: 0.150 MMBtu/hr, total.

(10) Nine (9) radiant air heaters, identified as X, exhausting through Vent X, heat input capacity: 0.100 MMBtu/hr.

(11) One (1) make-up heater, identified as F, exhausting through Vent F, heat input capacity: 2.82 MMBtu/hr.

(12) Six (6) radiant air heaters, identified as HS-7, exhausting through Vent HS-7, heat input capacity: 0.150 MMBtu/hr, total.

(13) One (1) radiant air heater, identified as E-1, exhausting through Vent E-1, heat input capacity: 0.100 MMBtu/hr.

(14) One (1) radiant air heater, identified as E-2, exhausting through Vent E-2, heat input capacity: 0.150 MMBtu/hr.

(15) Five (5) air rotation heaters, identified as E-3, exhausting through Vent E-3, heat input capacity: 0.580 MMBtu/hr.

(16) One (1) air make-up heater, identified as E-4, exhausting through Vent E-4, heat input capacity: 3.76 MMBtu/hr.

(17) One (1) radiant air heater, identified as E-5, exhausting through Vent E-5, heat input capacity: 0.045 MMBtu/hr.

(18) Five (5) radiant air heaters, identified as E-6, exhausting through Vent E-6, heat input capacity: 0.150 MMBtu/hr, total.

(19) Five (5) radiant air heaters, identified as E-7, exhausting through Vent E-7, heat input capacity: 0.125 MMBtu/hr, total.

(20) One (1) general air heater, identified as E-8, exhausting through Vent E-8, heat input capacity: 4.72 MMBtu/hr.

(21) Twenty-two (22) general air heaters, identified as EY-1, exhausting through Vent EY-1, heat input capacity: 0.100 MMBtu/hr, total.

(22) Eight (8) general air heaters, identified as EY-3, exhausting through Vent EY-3, heat input capacity: 0.150 MMBtu/hr, total.

(23) Five (5) forced air heaters, identified as Z-8, exhausting through Vent Z-8, heat input capacity: 0.200 MMBtu/hr, total.

(24) Six (6) radiant air heaters, exhausting through Vents Z-9 through Z-12, heat input capacity: 0.125 MMBtu/hr, total.

(25) Two (2) forced-air heaters, identified as EM-1, exhausting through Vent EM-1, heat input capacity: 0.184 MMBtu/hr, total.

(26) Two (2) radiant air heaters, identified as EM-2, exhausting through Vent EM-2, heat input capacity: 0.200 MMBtu/hr, total.

(27) Two (2) forced air heaters, identified as EM-3, exhausting through Vent EM-3, heat input capacity: 0.7 MMBtu/hr.

(28) Nine (9) radiant air heaters, identified as EM-4, exhausting through Vent EM-4, heat input capacity: 0.100 MMBtu/hr, total.

(29) One (1) radiant air heater, identified as E-9, exhausting through Vent E-9, heat input capacity: 0.100 MMBtu/hr.

(30) Two (2) forced air heaters, identified as E-17, exhausting through Vent E-17, heat input capacity: 0.080 MMBtu/hr, total.

(31) Three (3) forced air heaters, identified as E-18, E-19, and E-21, exhausting through Vents E-18, E-19, and E-21, heat input capacity: 0.144 MMBtu/hr, each.

(32) One (1) forced air heater, identified as E-20, exhausting through Vent E-20, heat input capacity: 0.200 MMBtu/hr.

(33) One (1) forced air heater, identified as E-22, exhausting through Vent E-22, heat input capacity: 0.150 MMBtu/hr.

(34) One (1) forced air-rotation heater, identified as E-23, exhausting through Vent E-23, heat input capacity: 0.400 MMBtu/hr.

(35) One (1) radiant air heater, identified as E-590, exhausting through Vent E-590, heat input capacity: 0.100 MMBtu/hr.

(36) Two (2) radiant heaters, identified as EM-5, exhausting though Vent EM-5, heat input capacity: 0.200 MMBtu/hr, total.

(37) One (1) forced air heater, identified as EM-6, exhausting through Vent EM-6, heat input capacity: 0.080 MMBtu/hr.

(38) Three (3) forced air heaters, identified as EM-7, exhausting through Vent EM-7, heat input capacity: 0.432 MMBtu/hr, total.

(39) One (1) forced air heater, identified as EM-8, exhausting through Vent EM-8, heat input capacity: 0.060 MMBtu/hr.

(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.

(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.

(d) The following equipment related to manufacturing activities not resulting in the emission of HAPs: ten (10) welding stations, capacity: 0.516 pounds of weld wire per hour, each.

(e) Infrared cure equipment.

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

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

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

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

(j) Activities emitting less than fifteen (15) pounds per day of VOC.

(k) One (1) touch-up painting line without booth, filters, or designated exhaust systems. The single HAP emissions is less than the one (1) ton per year insignificant threshold, and the combination HAPs emissions are less than the two and five-tenths (2.5) tons per year insignificant threshold.

(l) Natural gas-fired combustion sources with heat input equal to or less than ten million (10,000,000) British thermal units per hour, totaling 2.20 million British thermal units per hour, consisting of the following units:

(m) The following VOC and HAP storage containers:

(1) Storage tanks with capacity less than or equal to 1,000 gallons and annual throughputs less than 12,000 gallons.

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

Existing Approvals

Since the issuance of the Part 70 Operating Permits, T 039-7740-00145, on March 28, 2002, and T039-13708-00349 on March 28, 2002, the source has constructed or has been operating under the following approvals as well:

(a) Significant Source Modification No. 039-15640-00145, issued on August 9, 2002;

(b) Review Request 039-18463-00349, issued on December 11, 2003, and

(c) Administrative Amendment 039-20792-00349, issued on August 5, 2005.

(d) Administrative Amendment No. 039-20794-00145, issued on December 5, 2005;

(e) Significant Source Modification No. 039-25073-00145, issued on January 30, 2008; and

(f) Significant Permit Modification No. 039-25088-00145, issued on February 18, 2008.

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.

Enforcement Issue

There are no enforcement actions pending.

Emission Calculations

See Appendix A of this document for detailed emission calculations.

County Attainment Status

The source is located in Elkhart and Kosciusko Counties.

Elkhart County

Pollutant	Designation
SO_2	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O_3	Attainment effective July 19, 2007, for the 8-hour ozone standard.[1]
PM_{10}	Unclassifiable effective November 15, 1990.
NO_2	Cannot be classified or better than national standards.
Pb	Not designated.
[1]Attainment effective October 18, 2000, for the 1-hour ozone standard for the South Bend-Elkhart area, including Elkhart County, and is a maintenance area for the 1-hour National Ambient Air Quality Standards (NAAQS) for purposes of 40 CFR 51, Subpart X*. The 1-hour standard was revoked effective June 15, 2005. Unclassifiable or attainment effective April 5, 2005, for PM2.5.	

Kosciusko County

Pollutant	Designation
SO_2	Better than national standards.
CO	Unclassifiable or attainment effective November 15, 1990.
O_3	Unclassifiable or attainment as of June 15, 2004, for the 8-hour ozone standard.[1]
PM_{10}	Unclassifiable effective November 15, 1990.
NO_2	Cannot be classified or better than national standards.
Pb	Not designated.
[1]Unclassifiable or attainment effective October 18, 2000, for the 1-hour ozone standard which was revoked effective June 15, 2005. Unclassifiable or attainment effective April 5, 2005, for PM2.5.	

(a) Ozone Standards

(1) 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.

(2) On September 6, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Allen, Clark, Elkhart, Floyd, LaPorte, and St. Joseph Counties as attainment for the 8-hour ozone standard.

(3) On November 9, 2007, the Indiana Air Pollution Control Board finalized a temporary emergency rule to re-designate Boone, Hamilton, Hancock, Hendricks, Johnson, Madison, Marion, Morgan, and Shelby Counties as attainment for the 8-hour ozone standard.

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

(c) 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 and Kosciusko Counties have 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.

(d) Elkhart and Kosciusko Counties have been classified as attainment in Indiana for all other criteria pollutants. Therefore, these emissions were reviewed pursuant to the requirements for Prevention of Significant Deterioration (PSD), 326 IAC 2-2. See the State Rule Applicability – Entire Source section.

(e) 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.

(f) 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

These tables reflect the unrestricted potential emissions of the source.

Pollutant	tons/year
PM	905
PM_{10}	905
SO_2	1.03
VOC	2,076
CO	12.88
NO_X	15.3

HAPs	tons/year
Toluene	131.9
MIBK	77.4
Xylene	112.8
Ethyl Benzene	20.1
Methyl methacrylate	1.082
Methanol	0.616
Diisocyanate	0.25
Hexane	0.276
Formaldehyde	0.012
Methylene chloride, Benzene, Dichlorobenzene, Lead, Cadmium, Chromium, Manganese, Nickel	Less than or equal to 0.001
Total	**345**

(a) The potential to emit (as defined in 326 IAC 2-7-1(29)) of PM_{10} and VOC is 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 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 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 Gulf Stream Coach, Inc. This information reflects the 2003 OAQ Emission data from the source.

Pollutant	Actual Emissions (tons/year)
PM	0.0862
PM_{10}	0.0862
SO_2	0.0064
VOC	57.81
CO	0.2135
NO_X	0.1068
HAPs	23.60

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**
Paint Booths 1 - 3 (located in 22/58 Paint)	9.35	9.35	-	Less than 129	-	-	110.618 single (xylene); 216.108 total
Paint Booths 4 - 5 (located in 22/58 Paint and Plant 51, respectively)	0.146	0.146	-		-	-	
Plant 58, consisting of:							
Woodworking Area, identified as Wood 58	2.63	2.63	-	-	-	-	-
Coating and Assembly Area, identified as Assembly 58	0.093	0.093	-	Less than 55.0 (combined with Assembly 51)	-	-	2.3 single HAP (Toluene); 2.363 total
Plant 53, consisting of:							
Surface Coating	139.1	139.1	-	Less than 22.0	-	-	37.8 single HAP (Toluene); 39.5 total
Woodworking Area, identified as 53WWE	8.63	6.02	-	-	-	-	-
Plant 51, consisting of:							
Coating and Assembly Area, identified as Assembly 51	2.22	2.22	-	Less than 55.0 (combined with Assembly 58)	-	-	66.2 single HAP (Toluene); 66.28 total
Woodworking Area, identified as Wood 51	2.63	2.63	-	-	-	-	-
Plant 67, consisting of:							
Surface Coating	0.00	0.00	-	Less than 18.0	-	-	0.7 single HAP (Toluene); 1.2 total
Woodworking Area, identified as 67WWE	4.11	3.81	-	-	-	-	-
Plant 56, consisting of:							
Two (2) Lamination Booths, identified as Lam 1 and Lam 2	-	-	-	Less than 55.0 (Included with Assembly 51/58 limit)	-	-	0.020 single (MIBK); 0.020 total

Potential to Emit (tons/year)							
Process/Emission Unit	**PM**	**PM_{10}**	**SO_2**	**VOC**	**CO**	**NO_X**	**HAPs**
Building 55, consisting of:							
Plant 69 Lamination and Welding	0.126	0.126	-	Less than 19	-	-	0.017 single (MIBK); 0.017 total
Plant 60 Mini Vista Surface Coating	0.47	0.47	-		-	-	3.87 single (Toluene); 5.746 total
Plant 60 Mini Vista Woodworking	0.27	0.27	-	-	-	-	-
Plant 59, consisting of:							
Adhesive and Cement Application, identified as 59A, and Surface Coating Area, identified as 59C	0.59	0.59	-	Less than 19 (combined with Building 55)	-	-	12.9 single (Toluene); 12.9 total
Woodworking Operation, identified as D559	0.98	0.98	-	-	-	-	-
Insignificant Activities	**5.08**	**5.31**	**1.03**	**2.22**	**12.88**	**15.3**	**0.276 single (Hexane); 0.54 total**
Total	**176.4**	**173.7**	**1.03**	**Less than 250**	**12.88**	**15.3**	**Single HAP > 10.0 and Combination HAPs > 25.0**
Major Source Threshold	**250**	**250**	**250**	**250**	**250**	**100**	**n/a**

(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.

Federal Rule Applicability

(a) Pursuant to 40 CFR 64.2, Compliance Assurance Monitoring (CAM) is applicable to each existing 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)
Plant 58, consisting of:							
Paint Booth 1 (PM_{10})	Y	Y	45.0	1.80	100	N	N
Paint Booth 1 (VOC)	N	Y	313	313	100	N	N
Paint Booth 2 (PM_{10})	Y	Y	45.0	1.80	100	N	N
Paint Booth 2 (VOC)	N	Y	313	313	100	N	N
Paint Booth 3 (PM_{10})	Y	Y	45.0	1.80	100	N	N
Paint Booth 3 (VOC)	N	Y	313	313	100	N	N
Paint Booth 4 (PM_{10})	Y	Y	1.04	0.042	100	N	N
Paint Booth 4 (VOC)	N	Y	15.8	15.8	100	N	N
Paint Booth 5 (PM_{10})	Y	Y	1.04	0.042	100	N	N
Paint Booth 5 (VOC)	N	Y	15.8	15.8	100	N	N
Coating and Assembly Area, identified as Assembly 58 (PM_{10})	Y	Y	12.9	0.517	100	N	N
Coating and Assembly Area, identified as Assembly 58 (VOC)	N	Y	43.9	43.9	100	N	N
Woodworking Area, identified as Wood 58 (PM_{10})	Y	Y	87.6	2.63	100	N	N
Plant 53, consisting of:							
Woodworking area identified as 53WWE (PM/PM_{10})	Y - Cyclone	Y	58.69	3.52	100	N	N
Woodworking area identified as 53WWE (PM/PM_{10})	Y - Bag-houses	Y	19.67	0.59	100	N	N
Plant 53 Surface Coating (VOC)	N	Y	126.47	126.47	100	N	N
Plant 53 Surface Coating (PM/PM_{10})	Y	Y	139.07	7.14	100	Y	N

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)
Plant 67, consisting of:							
Woodworking area identified as 67WWE (PM/PM_{10})	Y - Cyclone	Y	58.69	3.52	100	N	N
Woodworking area identified as 67WWE (PM/PM_{10})	Y - Bag-houses	Y	170.3	5.11	100	Y	N
Plant 67 Surface Coating (VOC)	N	Y	47.27	47.27	100	N	N
Plant 67 Surface Coating (PM/PM_{10})	N	N	1.94	1.94	100	N	N
Plant 51, consisting of:							
Coating and Assembly Area, identified as Assembly 51 (PM_{10})	N	N	1.03	1.03	100	N	N
Coating and Assembly Area, identified as Assembly 51 (VOC)	N	Y	41.0	41.0	100	N	N
Woodworking Area, identified as Wood 51 (PM_{10})	Y	Y	87.6	2.63	100	N	N
Building 55, consisting of:							
Plant 69 welding (PM10)	N	N	0.126	0.126	100	N	N
Plant 69 Lamination (VOC)	N	Y	1.57	1.57	100	N	N
Plant 60 Mini Vista Surface Coating (PM10)	N	N	1.00	1.00	100	N	N
Plant 60 Mini Vista Surface Coating (VOC)	N	Y	4.56	4.56	100	N	N
Plant 60 Mini Vista Woodworking	Y	Y	6.76	0.270	100	N	N
Plant 59, consisting of:							
Adhesive and Cement Application, identified as 59A, and Surface Coating area, identified as 59C (PM)	N	N	0.507	0.507	100	N	N

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)
Adhesive and Cement Application, identified as 59A, and Surface Coating Area, identified as 59C (VOC)	N	Y	15.2	15.2	100	N	N
Woodworking Operation, identified as D559 (PM10)	N	N	16.3	0.976	100	N	N

Based on this evaluation, the requirements of 40 CFR Part 64, CAM, are applicable to the woodworking area known as 67WWE controlled by baghouses and the surface coating in Plant 53 for PM/PM_{10} upon issuance of the Title V Renewal. A CAM plan will be incorporated into this Part 70 permit renewal.

(b) The insignificant natural gas-fired combustion facilities are not steam generating units. Therefore, the requirements of the New Source Performance Standard, 40 CFR 60, Subpart D, Standards of Performance for Fossil-Fuel-Fired Steam Generators for Which Construction is Commenced After August 17, 1971, Subpart Da, Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978 , Subpart Db, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units, and Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units, are not included in the permit.

(c) 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.

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

(e) 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.

(f) The five (5) paint booths, identified as Booths 1 through 4, located in 22/58 Paint, and Booth 5, located in Plant 51, the coating and assembly areas, identified as Assembly 51, Assembly 58, Plant 53, Plant 56 Lamination Booths, Plant 67, and the fifth wheel and travel trailer assembly areas identified as Building 55 and Plant 59 (Seahawk Recreational Vehicles, Inc.), coat miscellaneous 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 MMMM, for Surface Coating of Miscellaneous Metal Parts and Products, are included in the permit for these emission units.

The five (5) paint booths, identified as Booths 1 through 4, located in 22/58 Paint, and Booth 5, located in Plant 51, the coating and assembly areas, identified as Assembly 51,

Assembly 58, Plant 53, Plant 56 Lamination Booths, Plant 67, and the fifth wheel and travel trailer assembly areas identified as Building 55 and Plant 59 (Seahawk Recreational Vehicles, Inc.), are subject to the following provisions of Subpart MMMM.

(1) 40 CFR 63.3880
(2) 40 CFR 63.3881(a), (b), and (e)
(3) 40 CFR 63.3882
(4) 40 CFR 63.3883(b) and (d)
(5) 40 CFR 63.3890(b) and (c)
(6) 40 CFR 63.3891(a) and (b)
(7) 40 CFR 63.3892(a)
(8) 40 CFR 63.3893(a)
(9) 40 CFR 63.3900(a)(1) and (b)
(10) 40 CFR 63.3901
(11) 40 CFR 63.3910
(12) 40 CFR 63.3920(a)(1) through (3), (5), and (6)
(13) 40 CFR 63.3930(a), (b), c(1) through (3), (d) through (h), (j), and (k)
(14) 40 CFR 63.3931
(15) 40 CFR 63.3940
(16) 40 CFR 63.3941
(17) 40 CFR 63.3942
(18) 40 CFR 63.3950
(19) 40 CFR 63.3951
(20) 40 CFR 63.3952
(21) 40 CFR 63.3980
(22) 40 CFR 63.3981
(23) Tables 2 and 3

(g) The five (5) paint booths, identified as Booths 1 through 4, located in 22/58 Paint, and Booth 5, located in Plant 51, the coating and assembly areas, identified as Assembly 51, Assembly 58, Plant 53, Plant 56 Lamination Booths, Plant 67, and the fifth wheel and travel trailer assembly areas identified as Building 55 and Plant 59 (Seahawk Recreational Vehicles, Inc.), 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, for Surface Coating of Plastic Parts and Products, are included in the permit.

The five (5) paint booths, identified as Booths 1 through 4, located in 22/58 Paint, and Booth 5, located in Plant 51, the coating and assembly areas, identified as Assembly 51, Assembly 58, Plant 53, Plant 56 Lamination Booths, Plant 67, and the fifth wheel and travel trailer assembly areas identified as Building 55 and Plant 59 (Seahawk Recreational Vehicles, Inc.), are subject to the following provisions of Subpart PPPP.

(1) 40 CFR 63.4480
(2) 40 CFR 63.4481(a)(1) through (4), (b), and (e)
(3) 40 CFR 63.4482(a), (b), and (e)
(4) 40 CFR 63.4483(b) and (d)
(5) 40 CFR 63.4490(b)(1) through (3), and (c)
(6) 40 CFR 63.4491(a) and (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), (10), and (11)
(12) 40 CFR 63.4520(a)(1) through (3), (5), and (6)
(13) 40 CFR 63.4530(a), (b), (c)(1) through (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
(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

(h) This source does not manufacture reinforced plastics. Therefore, the requirements of the National Emission Standard for Hazardous Air Pollutants, 40 CFR 63, Subpart WWWW, National Emissions Standards for Hazardous Air Pollutants: Reinforced Plastic Composites Production, are not included in the permit.

(i) There are no other National Emission Standards for Hazardous Air Pollutants included in the permit for this source.

State Rule Applicability – Entire Source

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

The source submitted an Emergency Reduction Plan (ERP) on June 27, 2002. 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 Deterioration)

(a) The 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:

(1) The use of VOC, including coatings, dilution solvents, and cleaning solvents, at the coating and Assembly area, identified as Assembly 51, the coating and Assembly area, identified as Assembly 58, and the two (2) lamination booths, identified as Lam 1 and Lam 2, shall be limited to less than fifty-five (55) tons per twelve (12) consecutive month period, with compliance determined within thirty (30) days of the end of each month.

(2) The use of VOC, including coatings, dilution solvents, and cleaning solvents, at the five (5) paint booths, identified as Booths 1 through 5, shall be limited to less than one hundred twenty-nine (129) tons per twelve (12) consecutive month period, with compliance determined within thirty (30) days of the end of each month.

(3) The use of VOC, including coatings, dilution solvents, and cleaning solvents, at the coating and assembly areas identified as Plant 53 shall be limited to less than a total of twenty-two (22) tons per twelve (12) consecutive-month period, with compliance determined within thirty (30) days of the end of each month.

(4) The use of VOC, including coatings, dilution solvents, and cleaning solvents, at the coating and assembly areas identified as Plant 67 shall be limited to less than a total of eighteen (18) tons per twelve (12) consecutive-month period, with compliance determined within thirty (30) days of the end of each month.

(5) The input of VOC delivered to the adhesive and cement application and caulking and gluing operations applicators of Plant 55 and Plant 59 shall be limited to nineteen (19) tons of VOC per twelve (12) consecutive month period, with compliance determined within thirty (30) days of the end of each month.

Compliance with these limitations, in combination with the unrestricted potential VOC emissions from insignificant activities, shall limit the combined source-wide VOC emissions to less than two hundred fifty (250) tons per year.

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

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

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

(a) The coating and assembly area, identified as Assembly 51, has the potential to emit an individual HAP of greater than ten (10) tons per year and the potential to emit a combination of HAPs greater than twenty-five (25) tons per year, but was constructed before the July 27, 1997 applicability date of 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants). Therefore, the requirements of 326 IAC 2-4.1 are not applicable.

(b) The three (3) paint booths, identified as Booths 1 through 3, have the potential to emit an individual HAP of greater than ten (10) tons per year, each, and the potential to emit a combination of HAPs greater than twenty-five (25) tons per year, each. Paint Booths 1 and 2 were modified in 1999 and Paint Booth 3 was constructed in 1999. However, the three (3) paint booths are subject to both 40 CFR 63, Subpart MMMM and 40 CFR 63, Subpart PPPP. Pursuant to 326 IAC 2-4.1(b)(3), the requirements of 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants) are not applicable to the three (3) paint booths.

(c) The two (2) paint booths, identified as Booths 4 and 5, were constructed in 1999, both have the potential to emit an individual HAP of less than ten (10) tons per year and a potential to emit a combination of HAPs less than twenty-five (25) tons per year. Therefore, the requirements of 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants) are not applicable.

(d) The operation of the coating and assembly area identified as Plant 53 will emit greater than ten (10) tons per year for a single HAP and greater than twenty-five (25) tons per year of a combination of HAPs and was approved for construction in 2008. Plant 53 is subject to the requirements of 40 CFR 63, Subpart MMMM and 40 CFR 63, Subpart PPPP, and is therefore not subject to the requirements of 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants).

(e) The operation of the coating and assembly area identified as Plant 67 was approved for construction in 2008 and does not have the potential to emit greater than ten (10) tons per year of a single HAP or greater than twenty-five (25) tons per year of a combination of HAPs. Therefore, the requirements of 326 IAC 2-4.1 (Major Sources of Hazardous Air Pollutants) are not applicable to this facility.

(f) The Plant 69 Lamination and Welding area, which is part of the fifth wheel and travel trailer assembly area, identified as Building 55, was constructed after the July 27, 1997 applicability date of the rule, but has individual HAP emissions of less than ten (10) tons per year and a combination of all HAPs emissions of less than twenty-five (25) tons per

year. Therefore, the requirements of 326 IAC 2-4.1-1 (New Source Toxics Control) are not applicable to this facility.

(g) The Plant 60 Mini Vista Cruiser, which is part of the fifth wheel and travel trailer assembly area identified as Building 55, and the fifth wheel and travel trailer assembly area, identified as Plant 59 (Seahawk Recreational Vehicles, Inc.), were constructed before the July 27, 1997 applicability date of the rule. Therefore, the requirements of 326 IAC 2-4.1-1 (New Source Toxics Control) are not applicable to these facilities.

326 IAC 2-6 (Emission Reporting)

This Part 70 source is not located in Lake, Porter, or LaPorte County and 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}. 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.

State Rule Applicability – Individual Facilities

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

(a) Pursuant to 326 IAC 6-3-2(d), particulate from the five (5) paint booths, identified as Booths 1 through 5, the Chassis Assembly Area (located within the coating and assembly area of Assembly 58), and the coating assembly areas venting to V-3 and V-4, part of the operations identified as Plant 53, shall be controlled by dry particulate filters and the Permittee shall operate the control devices in accordance with manufacturer's specifications.

(b) The particulate emissions from the coating and assembly area, identified as Assembly 51, are 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 (Particulate Emission Limitations for Manufacturing Processes) are not applicable.

(c) The particulate emissions from the lamination booth, identified as Lam 3, the welding operation, identified as 69W, the adhesive and cement application, identified as 55A, the surface coating area, identified as 55SC, the adhesive and cement application, identified as 59A, and the surface coating area, identified as 59SC, are less than 0.551 pounds per hour, each. Therefore, pursuant to 326 IAC 6-3-1(b)(14), the requirements of 326 IAC 6-3-2 (Particulate Emission Limitations for Manufacturing Processes) are not applicable to these facilities.

(d) The particulate from the six (6) woodworking areas, identified as Wood 51,Wood 58, 53WWE, 67WWE, D555, and D559 shall be limited as described in the following table:

Emission Unit	Process Weight Rate (tons/hr)	Allowable PM Emissions (lbs/hr)	How will unit comply with 326 IAC 6-3-2?
Woodworking Area, identified as Wood 51	4.06	10.5	Wood 51 shall utilize a cyclone.
Woodworking area, identified as 53WWE	1.28	4.8	53WWE shall use the system of cyclone and baghouses.
Woodworking area, identified as 67WWE	4.06	10.5	67WWE shall use the system of cyclone and baghouses.
Woodworking Operation, identified as D555	2.55	7.69	Unrestricted potential to emit is less than allowable.
Woodworking Operation, identified as D559	2.55	7.69	Unrestricted potential to emit is less than allowable.
Woodworking Area, identified as Wood 58	1.29	4.85	Wood 58 shall utilize a cyclone.

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

The cyclone for Wood 51 and at least one (1) of the three (3) cyclones for Wood 58 shall be in operation at all times the two (2) woodworking areas, identified as Wood 51 and Wood 58, are in operation, in order to comply with these limits. In order to comply with these limits, the control equipment (cyclones and baghouses) for woodworking areas 53WWE and 67WWE shall be in operation at all times that the woodworking areas are in operation.

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

(a) The unrestricted potential VOC emissions from the two (2) paint booths, identified as Booths 4 and 5, when coating linoleum, carpet, formica, rubber, fiberglass, and plastic which constitute the majority of the substrates coated are less than twenty-five (25.0) tons per year, each. Therefore, the requirements of 326 IAC 8-1-6 (New facilities; general reduction requirements are not applicable to either of these facilities.

(b) The VOC content used at the two (2) lamination booths, identified as Lam 1 and Lam 2, is limited by the requirements of 326 IAC 8-2-9 (Miscellaneous Metal Coating). Therefore, pursuant to 326 IAC 8-1-6(3)(A), the requirements of 326 IAC 8-1-6 (New facilities; general reduction requirements) are not applicable to these facilities.

(c) Pursuant to CP 039-9271-00145, issued on December 23, 1998, the Best Available Control Technology for the three (3) paint booths, identified as Booths 1 through 3, was determined to be the following:

(1) Use of the following work practices to minimize leaks, spills and evaporative losses:

(A) Water-based, non-VOC/HAP cleaners shall be utilized for pre-paint cleaning and elsewhere when considered effective and practical.

(B) The cleanup solvent containers used to transport solvent from drums to work stations shall be closed containers having soft gasketed spring-loaded closures.

(C) Cleanup rags saturated with solvent shall be stored, transported, and disposed of in containers that are closed tightly.

(D) The spray guns used shall be the type that can be cleaned upon completion of use for production without the need for spraying the solvent into the air.

(E) All solvent sprayed during cleanup or color changes shall be directed into containers. Such containers shall be closed as soon as solvent spraying is complete and the waste solvent shall be disposed of in such a manner that evaporation is minimized.

(F) Storage containers used to store VOC and/or HAPs containing materials shall be kept covered when not in use.

(2) The source shall be required to continue testing of non-VOC/HAP clean-up solvents to replace the use of the laquer thinner.

(3) Collected solvents will be recycled onsite to recover reusable solvents and minimize waste.

(4) The method of application for the three (3) paint booths shall be done with high volume low pressure (HVLP) spray technique.

HVLP spray is the technology used to apply material to substrate by means of application equipment that operates between one-tenth (0.1) and ten (10) pounds per square inch gauge (psig) air pressure measured dynamically at the center of the air cap and at the air horns of the spray system.

(5) The paint booths shall comply with the following individual limits:

(A) Shall not exceed 5.64 pounds of VOC per gallon coating less water for the primer/sealer;

(B) Shall not exceed 6.29 pounds of VOC per gallon coating less water for the base coat; and

(C) Shall not exceed 4.45 pounds of VOC per gallon coating less water for the top coat.

(6) The input VOC including cleanup solvent, minus the VOC solvent shipped out, delivered to the applicators of Booth 1 through Booth 5 shall be limited to no more than one hundred twenty-nine (129) tons per twelve (12) consecutive month period with compliance determined at the end of each month.

(d) The surface coating operations identified as Plant 53 and Plant 67 were constructed after the applicability date of January 1, 1980. However, the requirements of 326 IAC 8-1-6 (BACT) are not applicable to these surface coating operations because the potential to emit of VOC from each of these facilities has been limited to less than twenty-five (25) tons per year and they are subject to the requirements of 326 IAC 8-2-9 (Miscellaneous Metal Coating).

(e) The fifth wheel and travel trailer assembly area, identified as Building 55, constructed in 1993, and the fifth wheel and travel trailer assembly area, identified as Plant 59 (Seahawk Recreational Vehicles, Inc.), constructed in 1993, have potential VOC emissions of less than twenty-five (25) 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 these facilities.

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

(a) Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating), the volatile organic compound (VOC) content of the coating delivered to the applicators at the two (2) lamination booths, identified as Lam 1 and Lam 2, shall be limited to 3.5 pounds of VOC per gallon of coating less water delivered to a coating applicator in a coating application system that is air dried or forced warm air dried at temperatures up to ninety (90) degrees Celsius (one hundred ninety-four (194) degrees Fahrenheit).

(b) The VOC emissions from the three (3) paint booths, identified as Booths 1 through 3, are greater than fifteen (15) pounds per day, each, when coating metal. However, pursuant to CP 039-9271-00145, the source will comply with 326 IAC 8-1-6 (New facilities; general reduction requirements) for these facilities. Therefore, the requirements of 326 IAC 8-2-9 (Miscellanous Metal Coating) are not applicable to these facilities.

(c) The VOC emissions from the six (6) coating and assembly areas, identified as Assembly 51, Assembly 58, Plant 53, Plant 67, Building 55, and Plant 59, which were constructed after July 1, 1990, are greater than fifteen (15) pounds per day, each, when coating metal. Therefore, pursuant to 326 IAC 8-2-1(4), the requirements of 326 IAC 8-2-9 (Miscellaneous Metal Coating) are applicable to these facilities.

(1) Pursuant to 326 IAC 8-2-9 (Miscellaneous Metal Coating Operations), the volatile organic compound (VOC) content of the coating delivered to the applicators at the six (6) coating and assembly areas, identified as Assembly 51, Assembly 58, Plant 53, Plant 67, Building 55, and Plant 59, shall be limited to three and five-tenths (3.5) pounds of VOCs per gallon of coating less water, for extreme performance coatings.

(2) Based on the MSDS submitted by the source and calculations made, the spray booth is in compliance with this requirement. The source shall comply with this limit on a daily basis when one (1) or more of the coatings exceeds a VOC content of three and five-tenths (3.5) pounds per gallon of coating less water by calculating a daily volume weight average of VOC content, using the following formula:

$$A = \frac{\sum C \times U}{\sum U}$$

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

IDEM, OAQ, reserves the authority to determine compliance using Method 24 in conjunction with the analytical procedures specified in 326 IAC 8-1-4.

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 spray-

ing 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)

(a) The two (2) coating and assembly areas, identified as Assembly 51 and Assembly 58, are coating structural wood components, not wood furniture or cabinets. 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 these facilities.

(b) The adhesive and cement application, identified as 55A, which is part of the fifth wheel and travel trailer assembly area identified as Building 55, and the adhesive and cement application, identified as 59A, which is part of the fifth wheel and travel trailer assembly area identified as Plant 59 (Seahawk Recreational Vehicles, Inc.), are coating structural wood components, not wood furniture or cabinets. 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 these facilities.

326 IAC 20-80 (National Emission Standards for Hazardous Air Pollutants)

This source is subject to a National Emission Standard for Hazardous Air Pollutants, 40 CFR 63, Subpart MMMM, for Surface Coating of Miscellaneous Metal 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 MMMM.

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 20-81 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 (Particulate Matter Emissions for Sources of Indirect Heating)

The insignificant natural gas-fired combustion sources are not sources of indirect heating. Therefore, the requirements of 326 IAC 6-2 (Particulate Matter Emissions for Sources of Indirect Heating) are not applicable to these facilities.

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

(a) The particulate matter emissions from the insignificant natural gas-fired combustion sources are less than 0.551 pounds per hour, each. Therefore, pursuant to 326 IAC 6-3-1 (b)(14), the requirements of 326 IAC 6-3-2 (Particulate Matter Emissions from Manufacturing Processes) are not applicable to these facilities.

(b) The particulate matter emissions from the ten (10) welding stations are less than 0.551 pounds per hour, total. Therefore, pursuant to 326 IAC 6-3-1(b)(14), the requirements of 326 IAC 6-3-2 (Particulate Matter Emissions from Manufacturing Processes) are not applicable to these facilities.

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:

(a) The two (2) lamination booths, identified as Lam 1 and Lam 2, the five (5) paint booths, identified as Booths 1 through 5, and the four (4) coating and assembly areas, identified as Assembly 51, Assembly 58, Plant 53, and Plant 67 have applicable compliance determination conditions as specified below:

(1) 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 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.

(2) If the amount of VOC in the waste shipped offsite for recycling or disposal is deducted from the monthly VOC input reported, the Permittee shall determine the VOC content of the waste shipped offsite using one or a combination of the following methods:

(A) On-Site Sampling

(i) VOC content shall be determined pursuant to 326 IAC 8-1-4(a)(3) by EPA Reference Method 24 and the sampling procedures in 326 IAC 8-1-4 or other methods as approved by the Commissioner.

(ii) A representative sample of the VOC containing waste to be shipped offsite shall be analyzed within 90 days of the issuance of this permit T 039-23289-00145.

(iii) If multiple cleanup solvent waste streams are collected and drummed separately, a sample shall be collected and analyzed from each solvent waste stream.

(iv) A new representative sample shall be collected and analyzed whenever a change or changes occur(s) that could result in a cumulative 10% or more decrease in the VOC content of the VOC containing waste. Such change could include, but is not limited to, the following:

(a) A change in coating selection or formulation, as supplied or as applied, or a change in solvent selection or formulation, or

(b) An operational change in the coating application or cleanup operations.

The new VOC content shall be used in calculating the amount of VOC shipped offsite, starting with the date that the change occurred. The sample shall be collected and analyzed within 30 days of the change.

(B) Certified Waste Report: The VOC reported by analysis of an off-site waste processor may be used, provided the report certifies the amount of VOC in the waste.

(C) Minimum Assumed VOC content: The VOC content of the waste shipped off site may be assumed to be equal to the VOC content of the material with the lowest VOC content that could be present in the waste, as determined using the as supplied" and "as applied" VOC data sheets, for each month.

(3) IDEM reserves the right to request a representative sample of the VOC-containing waste stream and conduct an analysis for VOC content.

(4) Compliance with the VOC input limitations shall be demonstrated within 30 days of the end of each month. This shall be based on the total volatile organic compound input for the previous month, minus the amount VOC in the waste shipped out for recycling or disposal, and adding it to previous 11 months total VOC input, minus the amount VOC in the waste shipped out for recycling or disposal, so as to arrive at VOC input for the most recent twelve (12) consecutive month period.

(5) The VOC input for a month shall be calculated using the following equation:

$$\text{VOC}\,input = \text{SCL} - \text{SR}$$

Where:

SCL = The total amount of VOC, in tons, delivered to the coating applicators, including coatings, dilution solvents, and cleaning solvents, at the coating booths; and

SR = The total amount of VOC, in tons, shipped out for either recycling or disposal, including coatings, dilution solvents, and cleaning solvents, from the coating booths.

(b) The four (4) woodworking areas, identified as Wood 51, Wood 58, 53WWE, and 67WWE have applicable compliance determination conditions as specified below:

(1) The cyclone for Wood 51 and at least one (1) of the three (3) cyclones for Wood 58 shall be in operation and control emissions from the two (2) woodworking areas, identified as Wood 51 and Wood 58, at all times that the facilities are in operation. The control equipment (cyclones and baghouses) for woodworking

areas 53WWE and 67WWE shall be in operation and control emissions at all times that the woodworking areas are in operation.

(c) The fifth wheel and travel trailer assembly area, identified as Building 55, and the fifth wheel and travel trailer assembly area identified as Plant 59 (Seahawk Recreational Vehicles, Inc.), have applicable compliance determination conditions as specified below:

(1) 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 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.

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

Control	Parameter	Frequency	Range	Excursions and Exceedances
Dry Particulate Filters for Booths 1 through 5, Chassis Assembly Area of Assembly 58, and coating and assembly area of Plant 53 (V-3 and V-4 only)	Overspray	Weekly	No Overspray – Presence of Overspray	Response Steps
		Monthly	No Overspray- Presence of Overspray	
			No Change of Overspray- Noticeable Change in Overspray	
	Visual Check	Daily	Filter Placement, Integrity and Particle Loading	Response Steps
Cyclones for Wood 51 and Wood 58; Emission Control Equipment for 53WWE and 67WWE	Visible Emissions	Daily	Normal-Abnormal	Response Steps
Baghouses for 53WWE and 67WWE	Baghouse Inspections	Quarterly, not in consecutive months	Bag(s) Intact - Bag(s) Broken	Response Steps

(a) The monitoring conditions for the three (3) paint booths, identified as Booths 1 through 3, the Chassis Assembly Area (located within the coating and assembly area of Assembly 58), the coating and assembly area of Plant 53 are necessary because the dry particulate filters must operate properly to ensure compliance with 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes).

(b) The monitoring conditions for the cyclone for Wood 51, at least one (1) of the three (3) cyclones for Wood 58, and the control equipment for woodworking area 53WWE are necessary because those control devices must operate properly to ensure compliance with 326 IAC 6-3 (Particulate Emission Limitations for Manufacturing Processes).

(c) The monitoring conditions for the control equipment for woodworking area 67WWE are necessary because those control devices must operate properly to

ensure compliance with 40 CFR 64 (CAM) and 326 IAC 6-3 (Particulate Emission 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 June 28, 2006. Additional information was received on May 8, 15, 17, and 29, 2007.

Conclusion

The operation of an assembly of a motor home, bus, van, pick-up truck, fifth wheel, and travel trailer source shall be subject to the conditions of the attached Part 70 Operating Permit Renewal No. T039-23289-00145.

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

Company Name: Gulf Stream Coach, Inc.
Address City IN Zip: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Part 70: T039-23289-00145
Reviewer: Stephanie Wilkerson
Date: April 30, 2008

Material	Density (lbs/gal)	Weight % Volatile (H20 & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (units/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC (pounds per hour)	Potential VOC (pounds per day)	Potential VOC (tons per year)	Particulate Potential (tons/yr)	lbs VOC/gal solids	Material Coated	Transfer Efficiency
Plant 59																	
Floors/Chasis Prep																	
Pipe Dope	11.7	64.0%	41.0%	23.0%	41.0%	59.0%	0.006	1.00	4.58	2.70	0.016	0.393	0.072	0.00	4.58	Metal	**100%**
ABS Yellow Cement	7.08	75.0%	0.00%	75.0%	0.00%	35.0%	0.060	1.00	5.31	5.31	0.319	7.65	1.40	0.00	15.2	Plastic	**100%**
ABS Black Cement	6.66	75.0%	0.00%	75.0%	0.00%	35.0%	0.100	1.00	5.00	5.00	0.500	12.0	2.19	0.00	14.3	Plastic	**100%**
ABS Cleaner	6.75	100%	0.00%	100%	0.00%	0.00%	0.012	1.00	6.75	6.75	0.081	1.94	0.355	0.00	n/a	Plastic	**100%**
502 Silicone	8.59	0.00%	0.00%	0.00%	0.00%	100%	0.690	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Metal	**100%**
Enerfoam 43	10.0	0.00%	0.00%	0.00%	0.00%	100%	0.002	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Frame	**100%**
White Wood Glue	9.55	64.0%	59.0%	5.00%	44.0%	41.0%	0.096	1.00	0.853	0.48	0.046	1.10	0.201	0.00	1.16	Wood	**100%**
bc 100 black spray paint	7.03	47.7%	7.00%	40.7%	9.00%	0.00%	0.085	1.00	3.15	2.86	0.243	5.84	1.07	0.137	n/a	Metal	**90%**
										SUBTOTAL	**1.205**	**28.9**	**5.28**	**0.137**			
Shelling																	
Staseal 5000	9.99	8.80%	0.00%	8.80%	0.00%	1.00%	0.290	1.00	0.879	0.879	0.255	6.12	1.12	0.00	87.9	Aluminum, Wood	**100%**
8011 Adhesive	8.34	42.0%	42.0%	0.00%	42.0%	58.0%	1.44	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Wood, Metal	**100%**
1015 Self Leveling Sealant	9.99	34.0%	0.00%	34.0%	0.00%	53.1%	0.870	1.00	3.40	3.40	2.96	70.9	12.9	0.00	6.40	Metal	**100%**
SIA Two Part Epoxy	9.62	0.00%	0.00%	0.00%	0.00%	1.00%	0.078	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Metal/fiberglass	**100%**
Anti Wicking 724B	11.5	27.0%	26.9%	0.120%	36.5%	63.5%	0.110	1.00	0.022	0.014	0.00	0.036	0.007	0.00	0.022	Wood	**100%**
hydrafasten dc 12567	9.75	43.7%	43.7%	0.00%	48.8%	51.2%	0.250	1.00	0.00	0.00	0.00	0.00	0.00	0.301	0.00	Insulation/wood	**95%**
hydrafasten dc 12239	9.29	86.5%	86.5%	0.00%	96.4%	3.60%	0.250	1.00	0.00	0.00	0.00	0.00	0.00	0.069	0.00	Insulation/wood	**95%**
										SUBTOTAL	**3.21**	**77.08**	**14.07**	**0.37**			
Final Finish																	
Spot Shot	8.13	89.0%	64.0%	25.0%	59.0%	11.0%	0.006	1.00	4.96	2.03	0.012	0.296	0.054	0.012	18.5	Carpet	**50%**
Insta Buff	8.04	74.0%	56.0%	18.0%	54.0%	5.16%	0.015	1.00	3.15	1.45	0.022	0.521	0.095	0.069	28.0	Everything	**50%**
										SUBTOTAL	**0.034**	**0.817**	**0.149**	**0.081**			
Building 55																	
Plant 69 Lamination																	
SIA 114	8.90	0.00%	0.00%	0.00%	0.00%	1.00%	8.60	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	metal/glass/foam	**100%**
Hot melt 3249	8.00	0.00%	0.00%	0.00%	0.00%	1.00%	2.25	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	metal/glass/foam	**100%**
Hot melt 9352	7.50	0.00%	0.00%	0.00%	0.00%	1.00%	10.0	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	metal/glass/foam	**100%**
Ethanol A-1	6.69	99.8%	6.50%	93.3%	5.30%	0.00%	0.057	1.00	6.59	6.24	0.358	8.60	1.57	0.00	n/a	machines	**100%**
										SUBTOTAL	**0.358**	**8.599**	**1.569**	**0.000**			
Plant 60																	
Floors/Chasis prep																	
ABS Black cement	6.66	75.0%	0.00%	75.0%	0.00%	35.0%	0.100	1.000	5.00	5.00	0.500	11.99	2.19	0.00	14.3	Plastic	**100%**
ABS Cleaner	6.75	1.00%	0.00%	1.00%	0.00%	0.00%	0.012	1.000	0.07	0.068	0.00	0.019	0.00	0.00	n/a	Plastic	**100%**
502 Silicone	8.59	0.00%	0.00%	0.00%	0.00%	1.00%	0.195	1.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Wood	**100%**
Silaprene 12176	9.74	3.50%	0.00%	3.50%	45.0%	96.0%	0.039	1.000	0.62	0.341	0.013	0.319	0.058	0.00	0.355	Wood/metal	**100%**
bc 100 black spray paint	7.03	47.7%	7.00%	40.7%	9.00%	0.00%	0.290	1.000	3.15	2.86	0.830	19.9	3.64	0.467	n/a	Metal	**90%**
Standox etching activator	7.33	95.3%	0.00%	95.3%	0.00%	2.09%	0.004	1.000	6.99	6.99	0.029	0.704	0.129	0.00	334	Metal	**100%**
Standox etching primer	8.01	56.7%	0.00%	56.7%	0.00%	13.7%	0.013	1.000	4.54	4.54	0.057	1.363	0.249	0.00	33.2	Metal	**100%**
										SUBTOTAL	**1.430**	**34.318**	**6.263**	**0.467**			
Shelling																	
Silaprene 12176	9.74	3.50%	0.00%	3.50%	45.0%	96.0%	0.025	1.000	0.620	0.341	0.009	0.205	0.037	0.00	0.355	Wood/metal	**100%**
502 Silicone	8.59	0.00%	0.00%	0.00%	0.00%	1.00%	0.097	1.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Metal	**100%**
1015 Self Leveling Sealant	9.99	34.0%	0.00%	34.0%	0.00%	53.1%	0.240	1.000	3.40	3.40	0.815	19.6	3.57	0.00	6.40	Metal	**100%**
Anti Wicking 724B	11.5	27.0%	26.9%	0.120%	63.5%	63.5%	0.110	1.000	0.038	0.014	0.00	0.036	0.01	0.00	0.022	Wood	**100%**
Aromatic laminex part A	9.93	0.00%	0.00%	0.00%	0.00%	1.00%	5.00	1.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Metal	**100%**
Aromatic laminex part B	8.70	0.150%	0.100%	0.050%	0.200%	99.0%	5.00	1.000	0.00	0.00	0.022	0.522	0.095	0.00	0.00	Metal	**100%**
Alaphatic laminex part A	9.26	0.00%	0.00%	0.00%	0.00%	1.00%	1.60	1.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Metal	**100%**
Alaphatic laminex part B	10.4	0.00%	0.00%	0.00%	0.00%	1.00%	1.60	1.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Metal	**100%**
Alcohol	6.59	0.00%	0.00%	0.00%	0.00%	1.00%	0.160	1.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Metal	**100%**
30NF Green Contact	9.18	55.1%	45.8%	9.33%	49.1%	44.9%	0.250	1.000	1.68	0.856	0.214	5.1	0.94	1.128	1.91	Wood	**75%**
LORD 606 adhesive	9.15	0.00%	0.00%	0.00%	0.00%	1.00%	0.060	1.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Metal/plastic	**100%**
										SUBTOTAL	**1.061**	**25.466**	**4.648**	**1.128**			
Final Finish																	
502 Silicone	8.59	0.00%	0.0%	0.00%	0.00%	1.00%	0.460	1.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Metal/plastic	**100%**
Spot Beater	8.13	89.0%	64.0%	25.0%	59.0%	11.0%	0.006	1.000	4.96	2.03	0.012	0.296	0.054	0.00	18.5	Carpet	**90%**
Insta Buff	8.04	74.0%	56.0%	18.0%	54.0%	5.16%	0.015	1.000	3.15	1.45	0.022	0.521	0.095	0.014	28.0	Everything	**90%**
										SUBTOTAL	**0.034**	**0.817**	**0.149**	**0.016**			
Potential Emissions			**Worst case coating added to all solvents**							**TOTALS**	**7.33**	**176.0**	**32.1**	**2.20**			

METHODOLOGY

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

Appendix A: Emissions Calculations

VOC and Particulate

From Plant 58 Booths 1 through 3

Company Name: Gulf Stream Coach, Inc.

Address City IN Zip: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550

Part 70: T039-23289-00145

Reviewer: Stephanie Wilkerson

Date: April 30, 2008

Material	Density (Lb/Gal)	Weight % Volatile (H20 & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential (ton/yr)	lb VOC/gal solids	Substrate	Transfer Efficiency
22/58 Paint																	
Booths 1 thru 3																	
Speciality Coating																	
6247	7.62	83.6%	0.00%	83.6%	0.00%	10.9%	0.125	6.00	6.37	6.37	4.78	115	20.9	1.03	58.4	plastic	75%
									Booths 1 through 3	**SUBTOTAL**	**4.78**	**115**	**20.9**	**1.03**			
Pretreatment Coating																	
TE 500	8.72	62.3%	0.00%	62.3%	0.00%	21.9%	0.250	6.00	5.43	5.43	8.15	196	35.7	5.40	24.8	aluminum	75%
TER 510	6.87	98.2%	1.70%	96.5%	1.40%	0.800%	0.250	6.00	6.72	6.63	9.94	239	43.6	0.203	829	aluminum	75%
									Booths 1 through 3	**SUBTOTAL**	**18.09**	**434.24**	**79.25**	**5.60**			
Primer Surfacer																	
TP520	13.6	24.0%	0.00%	24.0%	0.00%	54.8%	0.160	6.00	3.27	3.27	3.14	75.3	13.7	10.9	5.96	metal/fiberglass/plastic	75%
TS1	6.75	100%	30.0%	70.0%	30.7%	0.00%	0.045	6.00	6.82	4.73	1.28	30.6	5.59	0.00	n/a	metal/fiberglass/plastic	75%
TH527	8.60	37.0%	0.00%	37.0%	0.00%	56.5%	0.045	6.00	3.18	3.18	0.86	20.6	3.76	1.60	5.63	metal/fiberglass/plastic	75%
									Booths 1 through 3	**SUBTOTAL**	**5.27**	**126.50**	**23.09**	**12.48**			
Primer/Sealer																	
T5181	10.9	33.5%	0.00%	33.5%	0.00%	48.4%	0.550	6.00	3.66	3.66	12.1	290	53.0	26.3	7.57	metal/fiberglass/plastic	75%
TS1	6.75	100%	30.0%	70.0%	30.7%	0.00%	0.280	6.00	6.82	4.73	7.94	191	34.8	0.00	n/a	metal/fiberglass/plastic	75%
CS 30	7.50	100%	100%	0.0%	0.00%	0.00%	0.280	6.00	0.00	0.00	0.00	0.00	0.00	0.00	n/a	metal/fiberglass/plastic	75%
T5150	9.04	20.0%	0.00%	20.0%	0.00%	74.9%	0.140	6.00	1.81	1.81	1.52	36.4	6.65	6.65	2.41	metal/fiberglass/plastic	75%
									Booths 1 through 3	**SUBTOTAL**	**21.6**	**517.2**	**94.4**	**32.9**			
Base Coat																	
9905	7.49	77.0%	40.0%	37.0%	0.00%	16.4%	0.987	6.00	2.77	2.77	16.4	394	71.9	11.2	16.9	metal/fiberglass/plastic	75%
dmt27	23.1	10.0%	0.00%	10.0%	0.00%	69.2%	0.020	6.00	2.31	2.31	0.277	6.65	1.21	2.73	3.34	metal/fiberglass/plastic	75%
9867	7.94	58.2%	0.00%	58.2%	0.00%	33.4%	0.045	6.00	4.62	4.62	1.25	29.9	5.46	0.98	13.8	metal/fiberglass/plastic	75%
9858	8.37	53.1%	0.00%	53.1%	0.00%	38.0%	0.054	6.00	4.44	4.44	1.44	34.6	6.31	1.39	11.7	metal/fiberglass/plastic	75%
ts281	8.11	54.6%	0.00%	54.6%	0.00%	37.5%	0.674	6.00	4.43	4.43	17.9	430	78.4	16.3	11.8	metal/fiberglass/plastic	75%
ts206	7.66	72.3%	0.00%	72.3%	0.00%	20.0%	0.600	6.00	5.54	5.54	19.9	478	87.3	8.36	27.7	metal/fiberglass/plastic	75%
ts203	7.66	72.8%	0.00%	72.8%	0.00%	19.5%	0.740	6.00	5.58	5.58	24.8	594	108	10.1	28.6	metal/fiberglass/plastic	75%
trs4	7.36	91.9%	0.00%	91.9%	0.00%	6.80%	2.99	6.00	6.76	6.76	121	2912	531	11.7	99.5	metal/fiberglass/plastic	75%
dmt8	21.2	10.0%	0.00%	10.0%	0.00%	71.7%	0.002	6.00	2.12	2.12	0.027	0.642	0.117	0.264	2.96	metal/fiberglass/plastic	75%
dmt11	22.5	10.0%	0.00%	10.0%	0.00%	69.8%	0.009	6.00	2.25	2.25	0.121	2.91	0.532	1.20	3.22	metal/fiberglass/plastic	75%
8882	7.24	97.5%	0.00%	97.5%	0.00%	2.30%	0.190	6.00	7.06	7.06	8.05	193	35.2	0.226	307	metal/fiberglass/plastic	75%
cs5	6.59	100%	0.00%	100%	0.00%	0.00%	0.026	6.00	6.59	6.59	1.03	24.7	4.50	0.00	n/a	metal/fiberglass/plastic	75%
dmt6	21.7	10.0%	0.00%	10.0%	0.00%	71.0%	0.002	6.00	2.17	2.17	0.030	0.717	0.131	0.295	3.05	metal/fiberglass/plastic	75%
dmt32	25.0	10.0%	0.00%	10.0%	0.00%	66.7%	0.005	6.00	2.50	2.50	0.075	1.80	0.328	0.739	3.75	metal/fiberglass/plastic	75%
9888	7.97	64.5%	0.00%	64.5%	0.00%	27.1%	0.015	6.00	5.14	5.14	0.463	11.1	2.03	0.279	19.0	metal/fiberglass/plastic	75%
9850	7.63	80.5%	0.00%	80.5%	0.00%	15.4%	0.900	6.00	6.14	6.14	33.2	796	145	8.80	39.9	metal/fiberglass/plastic	75%
									Booths 1 through 3	**SUBTOTAL**	**246**	**5911**	**1079**	**75**			
Top Coat																	
8639 clear	8.09	47.1%	0.00%	47.1%	0.00%	45.1%	2.66	6.00	3.81	3.81	60.8	1460	266	74.8	8.45	metal/fiberglass/plastic	75%
8876 hardener	9.03	20.0%	0.00%	20.0%	0.00%	75.3%	0.660	6.00	1.81	1.81	7.15	172	31.3	31.3	2.40	metal/fiberglass/plastic	75%
TS6 reducer	7.26	97.0%	0.00%	97.0%	0.00%	2.90%	0.660	6.00	7.04	7.04	27.9	669	122	0.944	242.8	metal/fiberglass/plastic	75%
									Booths 1 through 3	**SUBTOTAL**	**95.9**	**2300.5**	**419.8**	**107.1**			
Cleaners																	
6388 kleanz-easy II	8.25	100%	84.0%	16.0%	83.4%	0.00%	0.250	6.00	7.95	1.32	1.98	47.5	8.67	0.00	n/a	metal/fiberglass/plastic	100%
									Booths 1 through 3	**SUBTOTAL**	**1.98**	**47.5**	**8.67**	**0.00**			
									PM Control Efficiency:	96.0%							
Worst case coating added to all solvents									**Booths 1 through 3**	**Uncontrolled**	**394**	**9451**	**1725**	**234**			
									Booths 1 through 3	**Controlled**	**394**	**9451**	**1725**	**9.35**			

METHODOLOGY

Pounds of VOC per Gallon Coating less Water = (Density (lb/gal) * Weight % Organics) / (1-Volume % water)

Pounds of VOC per Gallon Coating = (Density (lb/gal) * Weight % Organics)

Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr)

Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (24 hr/day)

Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (8760 hr/yr) * (1 ton/2000 lbs)

Particulate Potential Tons per Year = (units/hour) * (gal/unit) * (lbs/gal) * (1- Weight % Volatiles) * (1-Transfer efficiency) *(8760 hrs/yr) *(1 ton/2000 lbs)

Pounds VOC per Gallon of Solids = (Density (lbs/gal) * Weight % organics) / (Volume % solids)

Total = Worst Coating + Sum of all solvents used

Appendix A: Emissions Calculations
VOC and Particulate
Plant 58 Booths 4 and 5

Company Name: Gulf Stream Coach, Inc.
Address City IN Zip: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Part 70: T039-23289-00145
Reviewer: Stephanie Wilkerson
Date: April 30, 2008

Material	Density (Lb/Gal)	Weight % Volatile (H20 & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential (ton/yr)	lb VOC/gal solids	Substrate	Transfer Efficiency
Booths 4 and 5																	
Primer/Sealer																	
TE 500	8.72	62.3%	0.00%	62.3%	0.00%	21.9%	0.625	0.500	5.43	5.43	1.70	40.7	7.44	1.12	24.8	metal	75%
T5181	10.9	33.5%	0.00%	33.5%	0.00%	48.4%	0.156	0.500	3.66	3.66	0.286	6.87	1.25	0.622	7.57	metal/fiberglass/plastic	75%
6247	7.62	83.6%	0.00%	83.6%	0.00%	10.9%	0.016	0.500	6.37	6.37	0.050	1.19	0.218	0.011	58.4	plastic	75%
									Booths 4 and 5	**SUBTOTAL**	**2.03**	**48.81**	**8.91**	**1.76**			
Base Coat																	
9905	7.5	77.0%	40.0%	37.0%	0.00%	16.4%	0.123	0.500	2.77	2.77	0.170	4.09	0.747	0.116	16.9	metal/fiberglass/plastic	75%
dmt27	23.1	10.0%	0.00%	10.0%	0.00%	69.2%	0.003	0.500	2.31	2.31	0.00	0.069	0.013	0.028	3.34	metal/fiberglass/plastic	75%
9867	7.94	58.2%	0.00%	58.2%	0.00%	33.4%	0.006	0.500	4.62	4.62	0.013	0.312	0.057	0.010	13.8	metal/fiberglass/plastic	75%
9858	8.37	53.1%	0.00%	53.1%	0.00%	38.0%	0.007	0.500	4.44	4.44	0.015	0.360	0.066	0.015	11.7	metal/fiberglass/plastic	75%
ts281	8.11	54.6%	0.00%	54.6%	0.00%	37.5%	0.084	0.500	4.43	4.43	0.186	4.46	0.815	0.169	11.8	metal/fiberglass/plastic	75%
ts206	7.66	72.3%	0.00%	72.3%	0.00%	20.0%	0.075	0.500	5.54	5.54	0.208	4.98	0.910	0.087	27.7	metal/fiberglass/plastic	75%
ts203	7.66	72.8%	0.00%	72.8%	0.00%	19.5%	0.093	0.500	5.58	5.58	0.258	6.19	1.13	0.106	28.6	metal/fiberglass/plastic	75%
trs4	7.36	91.9%	0.00%	91.9%	0.00%	6.80%	0.373	0.500	6.76	6.76	1.26	30.3	5.53	0.122	99.5	metal/fiberglass/plastic	75%
dmt8	21.2	10.0%	0.00%	10.0%	0.00%	71.7%	0.0003	0.500	2.12	2.12	0.00	0.007	0.00	0.00	2.96	metal/fiberglass/plastic	75%
dmt11	22.5	10.0%	0.00%	10.0%	0.00%	69.8%	0.001	0.500	2.25	2.25	0.00	0.030	0.005	0.012	3.22	metal/fiberglass/plastic	75%
8882	7.24	97.5%	0.00%	97.5%	0.00%	2.30%	0.024	0.500	7.06	7.06	0.084	2.01	0.367	0.00	307	metal/fiberglass/plastic	75%
cs5	6.59	100%	0.00%	100%	0.00%	0.00%	0.033	0.500	6.59	6.59	0.107	2.57	0.469	0.00	n/a	metal/fiberglass/plastic	75%
dmt6	21.7	10.0%	0.00%	10.0%	0.00%	71.0%	0.0003	0.500	2.17	2.17	0.00	0.007	0.00	0.00	3.05	metal/fiberglass/plastic	75%
dmt32	25.0	10.0%	0.00%	10.0%	0.00%	66.7%	0.0006	0.500	2.50	2.50	0.00	0.019	0.00	0.008	3.75	metal/fiberglass/plastic	75%
9888	7.97	64.5%	0.00%	64.5%	0.00%	27.1%	0.002	0.500	5.14	5.14	0.00	0.116	0.02	0.00	19.0	metal/fiberglass/plastic	75%
9850	7.63	80.5%	0.00%	80.5%	0.00%	15.4%	0.113	0.500	6.14	6.14	0.345	8.29	1.51	0.092	39.9	metal/fiberglass/plastic	75%
									Booths 4 and 5	**SUBTOTAL**	**2.66**	**63.80**	**11.64**	**0.78**			
Top Coat																	
8639 clear	8.09	47.1%	0.00%	47.1%	0.00%	45.1%	0.333	0.500	3.81	3.81	0.633	15.2	2.77	0.779	8.45	metal/fiberglass/plastic	75%
8876 hardener	9.03	20.0%	0.00%	20.0%	0.00%	75.3%	0.083	0.500	1.81	1.81	0.074	1.79	0.326	0.326	2.40	metal/fiberglass/plastic	75%
TS6 reducer	7.26	97.0%	0.00%	97.0%	0.00%	2.90%	0.083	0.500	7.04	7.04	0.290	6.97	1.27	0.010	243	metal/fiberglass/plastic	75%
									Booths 4 and 5	**SUBTOTAL**	**0.998**	**23.963**	**4.373**	**1.115**			
Cleaners																	
6388 kleanz-easy II	8.25	100%	84.0%	16.0%	83.4%	0.00%	0.031	0.500	7.95	1.32	0.021	0.495	0.090	0.00	n/a	metal/fiberglass/plastic	100%
									Booths 4 and 5	**SUBTOTAL**	**0.021**	**0.495**	**0.090**	**0.00**			
									PM Control Efficiency:	96.0%							
			Worst case coating added to all solvents						**Booths 4 and 5**	**Uncontrolled**	**5.71**	**137.1**	**25.0**	**3.65**			
									Booths 4 and 5	**Controlled**	**5.71**	**137.1**	**25.0**	**0.146**			

METHODOLOGY

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

Appendix A: Emissions Calculations
VOC and Particulate
Plant 58 Undercoating and Assembly

Company Name: Gulf Stream Coach, Inc.
Address City IN Zip: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Part 70: T039-23289-00145
Reviewer: Stephanie Wilkerson
Date: April 30, 2008

Material	Density (Lb/Gal)	Weight % Volatile (H20 & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential (ton/yr)	lb VOC/gal solids	Substrate	Transfer Efficiency
Plant 58																	
Coating and Assembly area, identified as Assembly 58																	
Chassis Prep																	
16-410 Black	8.40	67.0%	52.0%	15.0%	53.0%	24.0%	3.00	1.00	2.68	1.26	3.78	90.7	16.6	9.11	5.25	Metal	75%
Jettacin Cleaner	8.60	5.00%	0.00%	5.00%	0.00%	0.364%	0.250	1.00	0.430	0.430	0.108	2.58	0.471	0.00	118	Metal	100%
ASC 25 undercoating	9.30	45.0%	45.0%	0.00%	45.0%	57.0%	5.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Metal	100%
Grey Foam Seal Resin	9.83	17.0%	0.00%	17.0%	0.00%	100.00%	5.00	1.00	1.67	1.67	8.36	201	36.6	0.00	1.67	Metal	100%
Foam Seal Iso	10.3	0.00%	0.00%	0.00%	0.00%	100.00%	5.00	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Metal	100%
										SUBTOTAL	**12.24**	**293.83**	**53.62**	**9.11**			
Floors																	
Pipe Dope	11.7	64.0%	41.0%	23.0%	41.0%	59.0%	0.004	1.00	4.58	2.70	0.011	0.270	0.049	0.00	4.58	Metal	100%
ABS Black Cement	6.66	75.0%	0.00%	75.0%	0.00%	35.0%	0.118	1.00	5.00	5.00	0.589	14.1	2.58	0.00	14.3	Plastic	100%
ABS Cleaner	6.75	100%	0.00%	100%	0.00%	0.00%	0.012	1.00	6.75	6.75	0.079	1.90	0.346	0.00	n/a	Plastic	100%
Casa 140 pt	7.97	32.0%	32.0%	0.00%	42.0%	70.0%	0.125	1.00	0.00	0.00	0.00	0.00	0.00	0.297	0.00	felt/metal	90%
White Wood Glue	9.55	64.0%	59.0%	5.00%	44.0%	41.0%	0.080	1.00	0.853	0.478	0.038	0.917	0.167	0.00	1.16	Wood	100%
502 Silicone	8.59	0.00%	0.00%	0.00%	0.00%	100%	2.80	1.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Metal	100%
Mor Ad M-523	9.66	1.80%	0.00%	1.80%	0.00%	98.2%	0.006	1.00	0.174	0.174	0.00	0.025	0.00	0.00	0.177	Metal	100%
Silicone Spray	8.33	93.0%	0.00%	93.0%	0.00%	7.00%	0.010	1.00	7.74	7.74	0.077	1.86	0.339	0.00	111	Metal	90%
bc100 black spray paint	7.03	47.7%	7.00%	40.7%	9.00%	0.00%	0.290	1.00	3.15	2.86	0.830	19.9	3.64	0.467	n/a	Metal	90%
										SUBTOTAL	**1.626**	**39.035**	**7.124**	**0.766**			
Shelling																	
1016 Self Leveling Sealant	9.65	34.0%	12.0%	22.0%	13.6%	50.4%	0.240	1.00	2.46	2.12	0.510	12.2	2.23	0.00	4.21	Metal	100%
30NF Green Contact	9.18	55.1%	45.8%	9.33%	49.1%	44.9%	0.735	1.00	1.68	0.856	0.630	15.1	2.76	3.32	1.91	Wood	75%
Wind Shield Adhesive	6.84	65.0%	7.00%	58.0%	6.00%	24.7%	0.039	1.00	4.22	3.97	0.155	3.71	0.678	0.00	16.1	Metal, glass	100%
1010 Adhesive	10.0	28.0%	0.00%	28.0%	0.00%	72.0%	0.090	1.00	2.80	2.80	0.252	6.05	1.10	0.00	3.89	Wood, metal	100%
Silaprene 12176	9.74	44.5%	41.0%	3.50%	45.0%	96.0%	0.041	1.00	0.62	0.341	0.014	0.335	0.061	0.00	0.355	Wood, metal	100%
										SUBTOTAL	**1.560**	**37.434**	**6.832**	**3.315**			
Final Finish																	
Spot Beater	8.13	89.0%	64.0%	25.0%	59.0%	11.0%	0.104	1.00	4.96	2.03	0.211	5.07	0.926	0.041	18.5	carpet	90%
Insta Buff	8.04	74.0%	56.0%	18.0%	54.0%	5.16%	0.006	1.00	3.15	1.45	0.009	0.208	0.038	0.005	28.0	wood/panels	90%
										SUBTOTAL	**0.220**	**5.282**	**0.964**	**0.046**			
									PM Control Efficiency:	99.3%							
Worst case coating added to all solvents										**Uncontrolled**	**15.6**	**376**	**68.5**	**13.2**			
										Controlled	**15.6**	**376**	**68.5**	**0.093**			

METHODOLOGY

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

Appendix A: Emissions Calculations

VOC and Particulate

Plant 51 Coating and Assembly Area and Plant 56 Lamination

Company Name: Gulf Stream Coach, Inc.

Address City IN Zip: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550

Part 70: T039-23289-00145

Reviewer: Stephanie Wilkerson

Date: April 30, 2008

Material	Density (Lb/Gal)	Weight % Volatile (H20 & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential (ton/yr)	lb VOC/gal solids	Substrate	Transfer Efficiency
Plant 51																	
Coating and Assembly Area, identified as Assembly 51																	
Floors/Chasis Prep																	
Pipe Dope	11.7	64.0%	41.0%	23.0%	41.0%	59.0%	0.005	3.25	4.58	2.70	0.039	0.948	0.173	0.00	4.58	Metal	100%
ABS Yellow Cement	7.08	75.0%	0.00%	75.0%	0.00%	35.0%	0.025	3.25	5.31	5.31	0.431	10.4	1.89	0.00	15.2	Plastic	100%
ABS Black Cement	6.66	75.0%	0.00%	75.0%	0.00%	35.0%	0.035	3.25	5.00	5.00	0.568	13.6	2.49	0.00	14.3	Plastic	100%
ABS Cleaner	6.75	100%	0.00%	100%	0.00%	0.00%	0.012	3.25	6.75	6.75	0.263	6.32	1.15	0.00	n/a	Plastic	100%
hotmelt 5430	7.75	0.00%	0.00%	0.00%	0.00%	100%	0.078	3.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	metal/carpet	100%
White Wood Glue	9.55	64.0%	59.0%	5.00%	44.0%	41.0%	0.380	3.25	0.853	0.478	0.590	14.2	2.58	0.00	1.16	Wood	100%
Silicone Spray	8.33	93.0%	0.00%	93.0%	0.0%	7.00%	0.008	3.25	7.74	7.74	0.201	4.83	0.882	0.007	111	Metal	90%
multipurpose floor covering	10.4	37.4%	36.7%	0.730%	48.7%	62.6%	0.250	3.25	0.148	0.076	0.062	1.48	0.270	0.00	0.121	wood/linoleum	100%
										SUBTOTAL	**2.155**	**51.723**	**9.439**	**0.007**			
Shelling																	
8011 Adhesive	8.34	42.0%	42.0%	0.00%	42.0%	58.0%	1.37	3.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Wood, metal	100%
1015 Self Leveling Sealant	10.0	34.0%	0.00%	34.0%	0.00%	53.1%	0.750	3.25	3.40	3.40	8.28	199	36.3	0.00	6.40	Metal	100%
Sikaflex 227	10.6	4.40%	0.00%	4.40%	0.00%	96.0%	0.084	3.25	0.466	0.466	0.127	3.06	0.558	0.00	0.486	Metal, wood	100%
Enerfoam 43	10.0	0.00%	0.00%	0.00%	0.00%	100%	0.001	3.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Frame	100%
502 Silicone	8.59	0.00%	0.00%	0.00%	0.00%	100%	0.180	3.25	0.00	0.00	0.00	0.00	0.00	0.00	0.00	Metal	100%
Casa 140 pt	7.97	32.0%	32.0%	0.00%	42.0%	70.0%	0.125	3.25	0.00	0.00	0.00	0.00	0.00	0.964	0.00	felt/metal	90%
hydrafasten dc 12567	9.75	43.7%	43.7%	0.00%	48.8%	51.2%	0.250	3.25	0.00	0.00	0.00	0.00	0.00	0.977	0.00	insulation/wood	95%
hydrafasten dc 12239	9.29	86.5%	86.5%	0.00%	96.4%	3.60%	0.250	3.25	0.00	0.00	0.00	0.00	0.00	0.223	0.00	insulation/wood	95%
										SUBTOTAL	**8.41**	**201.76**	**36.82**	**2.16**			
Final Finish																	
Spot Beater	8.13	89.0%	64.0%	25.0%	59.0%	11.0%	0.006	3.25	4.96	2.03	0.040	0.961	0.175	0.008	18.5	Carpet	90%
Insta Buff	8.04	74.0%	56.0%	18.0%	54.0%	5.16%	0.015	3.25	3.15	1.45	0.071	1.69	0.309	0.045	28.0	Everything	90%
										SUBTOTAL	**0.111**	**2.654**	**0.484**	**0.052**			
Plant 56																	
Plant 56 Lamination, identified as Lam 1 and Lam 2																	
SIA 114	8.90	0.00%	0.00%	0.00%	0.00%	100%	8.60	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	metal/glass/foam	100%
Hot melt 3249	8.00	0.00%	0.00%	0.00%	0.00%	100%	2.25	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	metal/glass/foam	100%
Hot melt 9352	7.50	0.00%	0.00%	0.00%	0.00%	100%	10.0	2.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	metal/glass/foam	100%
Ethanol A-1	6.69	99.8%	6.50%	93.3%	5.30%	0.00%	0.057	2.00	6.59	6.24	0.717	17.2	3.14	0.00	n/a	machines	100%
										SUBTOTAL	**0.717**	**17.2**	**3.14**	**0.00**			
									PM Control Efficiency:	0.00%							
Worst case coating added to all solvents										**Uncontrolled**	**11.39**	**273**	**49.9**	**2.22**			
										Controlled	**11.39**	**273**	**49.9**	**2.22**			

METHODOLOGY

Pounds of VOC per Gallon Coating less Water = (Density (lb/gal) * Weight % Organics) / (1-Volume % water)

Pounds of VOC per Gallon Coating = (Density (lb/gal) * Weight % Organics)

Potential VOC Pounds per Hour = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr)

Potential VOC Pounds per Day = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (24 hr/day)

Potential VOC Tons per Year = Pounds of VOC per Gallon coating (lb/gal) * Gal of Material (gal/unit) * Maximum (units/hr) * (8760 hr/yr) * (1 ton/2000 lbs)

Particulate Potential Tons per Year = (units/hour) * (gal/unit) * (lbs/gal) * (1- Weight % Volatiles) * (1-Transfer efficiency) *(8760 hrs/yr) *(1 ton/2000 lbs)

Pounds VOC per Gallon of Solids = (Density (lbs/gal) * Weight % organics) / (Volume % solids)

Total = Worst Coating + Sum of all solvents used

Appendix A: Emissions Calculations
VOC and Particulate
Plant 53 Surface Coating

Company Name: Gulf Stream Coach, Inc.
Address City IN Zip: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Part 70: T039-23289-00145
Reviewer: Stephanie Wilkerson
Date: April 30, 2008

Material	Density (Lb/Gal)	Weight % Volatile (H20 & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential (ton/yr)	lb VOC/gal solids	Transfer Efficiency	Filter Efficiency
16-410 Black	8.39	76.14%	60.79%	15.35%	58.29%	23.8600%	0.1800	4.5	3.09	1.29	1.04	25.08	4.58	2.13	5.40	70%	98%
Aromatic Laminax Part A	9.93	0.00%	0.00%	0.00%	0%	100.00%	0.310	4.5	0.00	0.00	0.00	0.00	0.00	9.10	0.00	85%	98%
Aromatic Laminax Part B	8.70	0.15%	0.10%	0.05%	0.02%	99.00%	0.380	4.5	0.0044	0.0044	0.01	0.18	0.03	9.76	0.00	85%	98%
ASC 25 Undercoating	9.30	44.90%	44.90%	0%	44.90%	55.1000%	3.7500	4.5	0.00	0.00	0.00	0.00	0.00	113.62	0.00	70%	98%
S12873 resin	9.75	0.00%	0.00%	0.00%	0.00%	100.00%	0.25	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100%	98%
Foam Seal Iso	10.32	0.0000%	0.00%	0.0000%	0.0%	100.0000%	0.2500	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100%	98%
Hot Melt 2211	8.55	0.000%	0.00%	0.0000%	0.0000%	100.0%	0.22	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100%	0%
T-U type 555 thread sealing comp	11.74	49.00%	31.00%	18%	31.00%	51.00%	0.0046	4.5	3.06	2.11	0.04	1.05	0.19	0.00	4.14	100%	0%
ABS Black Cement	6.66	65.00%	0.00%	65.00%	0.00%	35.000%	0.0150	4.5	4.33	4.33	0.29	7.01	1.28	0.00	12.37	100%	0%
ABS Cleaner	6.66	100.000%	0.00%	100.000%	0%	0.00%	0.0069	4.5	6.66	6.66	0.21	4.96	0.91	0.00	0.00	100%	0%
ABS Yellow Cement	7.25	75.00%	0.00%	75%	0%	25%	0.019	4.5	5.44	5.44	0.47	11.16	2.04	0.00	21.75	100%	0%
502 Silicone	8.41	8.00%	5.00%	3%	5%	92%	0.690	4.5	0.2660	0.25	0.78	18.63	3.40	0.00	0.27	100%	0%
5040a Primer	7.50	75.9200%	0.00%	75.920%	0.00%	16.92%	0.0011	4.5	5.69	5.69	0.03	0.68	0.12	0.00	33.64	100%	0%
gc800 Glass Cleaner	7.91	100.0000%	90.00%	10.0000%	87.0%	0.0000%	0.0017	4.5	6.08	0.79	0.01	0.15	0.03	0.00	0.00	100%	0%
5500sa	7.83	55.59%	0.00%	55.59%	0.0%	35.550%	0.0023	4.5	4.35	4.35	0.05	1.08	0.20	0.00	12.24	100%	0%
Betaseal Express	10.00	0.00%	0.00%	0.00%	0.00%	100.00%	0.0023	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100%	0%
6140 Premium Adhesive	9.50	70.00%	0.00%	70.00%	0.0000%	30.0000%	0.2500	4.5	6.65	6.65	7.48	179.55	32.77	4.21	22.17	70%	0%
1015 Self Levelling Sealant	9.33	25.13%	0.00%	25.13%	0%	39.70%	0.501	4.5	2.34	2.34	5.28	126.61	23.11	0.00	5.91	100%	0%
8011 Adhesive	9.45	0.6200%	0.61%	0%	0.61%	54.91%	0.305	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100%	0%
Tytan outdoor & RV pro expand foam	9.9960	20.00%	0.00%	20%	0%	0%	0.067	4.5	2.00	2.00	0.60	14.47	2.64	0.00	0.00	100%	0%
Silaprene 12718	9.92	32.50%	0.00%	32.50%	0%	67.50%	0.610	4.5	3.22	3.22	8.84	212.13	38.71	0.00	4.78	100%	0%
1010 Adhesive	9.57	31.95%	0.00%	32%	0%	42.64%	0.093	4.5	3.06	3.06	1.28	30.73	5.61	0.00	7.17	100%	0%
Silaprene 12176	9.74	3.50%	0.00%	3.50%	0%	96%	0.220	4.5	0.34	0.34	0.34	8.08	1.47	0.00	0.36	100%	0%
16700 series sillicone sealant	8.66	0.00%	0.00%	0%	0%	100%	0.073	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100%	0%
SIA 485 T Black	10.30	55.48%	55.24%	0.24%	68%	32%	0.090	4.5	0.08	0.02	0.01	0.19	0.04	0.00	0.08	100%	0%
Spot Beater	7.98	89.00%	64.00%	25%	59%	11%	0.030	4.5	4.87	2.00	0.27	6.48	1.18	0.05	18.14	90%	0%
Insta Buff	7.99	16.00%	10.00%	6%	11%	84%	0.014	4.5	0.54	0.48	0.03	0.73	0.13	0.19	0.57	90%	0%
Mineral Spirits	6.47	100.00%	0.00%	100%	0%	0.00%	0.06300	4.5	6.47	6.47	1.83	44.02	8.03	0.00	0.00	100%	0%
Potential Emissions			**Worst case coating added to all solvents**									**Uncontrolled**	**126.47**	**139.07**			

METHODOLOGY

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

Appendix A: Emissions Calculations
VOC and Particulate
Plant 67 Surface Coating

Company Name: Gulf Stream Coach, Inc.
Address City IN Zip: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Part 70: T039-23289-00145
Reviewer: Stephanie Wilkerson
Date: April 30, 2008

Material	Density (Lb/Gal)	Weight % Volatile (H20 & Organics)	Weight % Water	Weight % Organics	Volume % Water	Volume % Non-Volatiles (solids)	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Pounds VOC per gallon of coating less water	Pounds VOC per gallon of coating	Potential VOC pounds per hour	Potential VOC pounds per day	Potential VOC tons per year	Particulate Potential (ton/yr)	lb VOC/gal solids	Transfer Efficiency
T-U type 555 thread sealing compound	11.74	49.00%	31.00%	18%	31.00%	51.00%	0.0039	4.5	3.06	2.11	0.04	0.89	0.16	0.00	4.14	100%
ABS Black Cement	6.66	65.00%	0.00%	65.00%	0.00%	35.000%	0.0190	4.5	4.33	4.33	0.37	8.89	1.62	0.00	12.37	100%
ABS Cleaner	6.66	100.000%	0.00%	100.000%	0%	0.00%	0.0067	4.5	6.66	6.66	0.20	4.82	0.88	0.00	0.00	100%
ABS Yellow Cement	7.25	75.00%	0.00%	75%	0%	25%	0.013	4.5	5.44	5.44	0.32	7.64	1.39	0.00	21.75	100%
502 Silicone	8.41	8.00%	5.00%	3%	5%	92%	0.105	4.5	0.2660	0.25	0.12	2.84	0.52	0.00	0.27	100%
MB-44 white wood glue	9.50	63.5500%	63.39%	0.160%	72.00%	28.00%	0.1600	4.5	0.05	0.01	0.01	0.17	0.03	0.00	0.05	100%
#1230-7-66 Aluminum Gray butyl caulk	12.00	22.5000%	0.00%	11.5000%	0.0%	88.5000%	0.0062	4.5	1.38	1.38	0.04	0.92	0.17	0.00	1.56	100%
armstrong s-235 floor adhesive	9.38	40.50%	39.50%	1.00%	39.5%	59.500%	0.1500	4.5	0.16	0.09	0.06	1.46	0.27	0.00	0.16	100%
8011	8.45	0.62%	0.61%	0.01%	0.61%	54.91%	0.5100	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100%
1021 low VOC sealant	11.16	22.80%	8.00%	22.00%	8.0000%	41.5400%	0.7200	4.5	2.48	2.46	7.97	191.29	34.91	0.00	5.91	100%
silkaflex 227	10.60	3.80%	0.00%	3.80%	0%	94.70%	0.065	4.5	0.40	0.40	0.12	2.81	0.51	0.00	0.43	100%
Tytan outdoor & RV pro expanding foam	9.9960	20.00%	0.00%	20%	0%	0%	0.014	4.5	2.00	2.00	0.13	3.02	0.55	0.00	0.00	100%
ASI502	8.41	8.00%	5.00%	3.00%	5%	92.00%	0.105	4.5	0.27	0.25	0.12	2.84	0.52	0.00	0.27	100%
casa 140PT adhesive*	9.9960	32.00%	32.00%	0%	42%	70.00%	0.136	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100%
Miracle SFA-66 construction Adhesive	9.02	33.80%	0.00%	33.80%	0%	40%	0.029	4.5	3.05	3.05	0.40	9.55	1.74	0.00	7.62	100%
Boss 399 neutral cure sillicone	10.08	0.00%	0.00%	0%	0%	100%	0.586	4.5	0.00	0.00	0.00	0.00	0.00	0.00	0.00	100%
Spot Beater	7.98	89.00%	64.00%	25%	59%	11%	0.012	4.5	4.87	2.00	0.11	2.59	0.47	0.00	18.14	100%
Insta Buff	7.99	16.00%	10.00%	6%	11%	84%	0.0077	4.5	0.54	0.48	0.02	0.40	0.07	0.00	0.57	100%
Mineral Spirits	6.47	100.00%	0.00%	100%	0%	0.00%	0.02700	4.5	6.47	6.47	0.786	18.87	3.44	0.00	0.00	100%
Potential Emissions			**Worst case coating added to all solvents**									**Uncontrolled**	**47.27**	**0.00**		

METHODOLOGY

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

Appendix A: Emission Calculations
HAP Emission Calculations

Company Name: Gulf Stream Coach, Inc.
Address City IN Zip: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Part 70: T039-23289-00145
Reviewer: Stephanie Wilkerson
Date: April 30, 2008

Material	Density (lbs/gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Toluene	Weight % MIBK	Weight % Xylene	Weight % Methylene Chloride	Weight % Methanol	Weight % Methyl Methacrylate	Weight % Ethyl Benzene	Toluene Emissions (tons/yr)	MIBK Emissions (tons/yr)	Xylene Emissions (tons/yr)	Methylene Chloride Emissions (tons/yr)	Methanol Emissions (tons/yr)	Methyl Methacrylate Emissions (tons/yr)	Ethyl Benzene Emissions (tons/yr)	Total HAPs (tons/yr)
Plant 59																		
Floors/Chasis Prep																		
Pipe Dope	11.7	0.006	1.00	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
ABS Yellow Cement	7.08	0.060	1.00	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
ABS Black Cement	6.66	0.100	1.00	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
ABS Cleaner	6.75	0.012	1.00	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
502 Silicone	8.59	0.690	1.00	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
Enerfoam 43	10.0	0.002	1.00	0.00%	0.00%	0.00%	0.500%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.0004	0.00	0.00	0.00	0.0004
White Wood Glue	9.55	0.098	1.00	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
bc 100 black spray paint	7.03	0.085	1.00	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	**0.00**	**0.00**	**0.00**	**0.0004**	**0.00**	**0.00**	**0.00**	**0.0004**
Shelling																		
Staseal 5000	9.99	0.290	1.00	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
8011 Adhesive	8.34	1.44	1.00	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
1015 Self Leveling Sealant	9.99	0.870	1.00	34.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	12.9	0.00	0.00	0.00	0.00	0.00	0.00	12.9
SIA Two Part Epoxy	9.62	0.008	1.00	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
Anti Wicking 724B	11.5	0.110	1.00	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
hydrafasten dc 12567	9.75	0.250	1.00	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
hydrafasten dc 12239	9.29	0.250	1.00	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	**12.9**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**12.9**
Final Finish																		
Spot Shot	8.13	0.006	1.00	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
Insta Buff	8.04	0.015	1.00	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	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
Building 55																		
Plant 69 Lamination																		
SIA 114	8.90	8.60	1.00	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
Hot melt 3249	8.00	2.25	1.00	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
Hot melt 9352	7.50	10.0	1.00	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
Ethanol A-1	6.69	0.057	1.00	0.00%	1.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.017	0.00	0.00	0.00	0.00	0.00	0.017
										SUBTOTAL	**0.00**	**0.017**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.017**
Plant 60																		
Floors/Chasis Prep																		
ABS Black Cement	6.66	0.100	1.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ABS Cleaner	6.75	0.012	1.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
502 Silicone	8.59	0.195	1.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Silaprene 12176	9.74	0.039	1.000	0.00%	0.00%	3.50%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.058	0.00	0.00	0.00	0.00	0.058
bc 100 black spray paint	7.03	0.290	1.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Standox etching activator	7.33	0.004	1.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	8.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.011	0.011
Standox etching primer	8.01	0.013	1.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	7.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.031	0.031
										SUBTOTAL	**0.00**	**0.00**	**0.058**	**0.00**	**0.00**	**0.00**	**0.041**	**0.100**
Shelling																		
Silaprene 12176	9.74	0.025	1.000	0.00%	0.00%	3.50%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.037	0.00	0.00	0.00	0.00	0.04
502 Silicone	8.59	0.097	1.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1015 Self Leveling Sealant	9.99	0.240	1.000	34.0%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	3.57	0.00	0.00	0.00	0.00	0.00	0.00	3.57
Anti Wicking 724B	11.5	0.110	1.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aromatic laminex part A	9.93	5.00	1.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Aromatic laminex part B	8.70	5.00	1.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alphatic laminex part A	9.26	1.60	1.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alphatic laminex part B	10.4	1.60	1.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Alcohol	6.59	0.160	1.000	0.00%	0.910%	0.00%	0.00%	13.3%	0.00%	0.00%	0.00	0.042	0.00	0.00	0.616	0.00	0.00	0.658
30NF Green Contact	9.18	0.25	1.000	3.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.302	0.00	0.00	0.00	0.00	0.00	0.00	0.302
LORD 606 adhesive	9.15	0.060	1.000	0.00%	0.00%	0.00%	0.00%	0.00%	45.0%	0.00%	0.00	0.00	0.00	0.00	0.00	1.082	0.00	1.082
										SUBTOTAL	**3.87**	**0.042**	**0.037**	**0.00**	**0.616**	**1.082**	**0.00**	**5.65**
Final Finish																		
502 Silicone	8.59	0.460	1.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Spot Beater	8.13	0.006	1.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Insta Buff	8.04	0.015	1.000	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
										SUBTOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
										TOTAL	**16.8**	**0.059**	**0.096**	**0.0004**	**0.616**	**1.082**	**0.041**	**18.7**

METHODOLOGY

HAPS emission rate (tons/yr) = Density (lbs/gal) * Gal of Material (gal/unit) * Maximum (unit/hr) * Weight % HAP * 8760 hrs/yr * 1 ton/2000 lbs

Appendix A: Emission Calculations
HAP Emission Calculations
Plant 58 Booths 1 through 3

Company Name: Gulf Stream Coach, Inc.
Address City IN Zip: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Part 70: T039-23289-00145
Permit Reviewer: Stephanie Wilkerson
Date: April 30, 2008

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Ethyl Benzene	Weight % MIBK	Weight % Toluene	Weight % Xylene	Ethyl Benzene Emissions (ton/yr)	MIBK Emissions (ton/yr)	Toluene Emissions (ton/yr)	Xylene Emissions (ton/yr)	Total Emissions (ton/yr)
22/58 Paint												
Booths 1 through 3												
Speciality Coating												
6247	7.62	0.125	6.00	10.00%	0.00%	0.00%	55.0%	2.50	0.00	0.00	13.8	16.3
							SUBTOTAL	**2.50**	**0.00**	**0.00**	**13.8**	**16.3**
Pretreatment Coating												
TE 500	8.72	0.250	6.00	0.200%	3.00%	2.00%	2.00%	0.115	1.72	1.15	1.15	4.12
TER 510	6.87	0.250	6.00	0.00%	2.00%	0.00%	0.00%	0.000	0.903	0.00	0.00	0.903
							SUBTOTAL	**0.115**	**2.621**	**1.146**	**1.146**	**5.028**
Primer Surfacer												
TP 520	13.6	0.160	6.00	0.00%	3.00%	12.0%	0.00%	0.00	1.72	6.87	0.00	8.58
TS 1	6.75	0.045	6.00	0.00%	2.00%	0.00%	0.00%	0.00	0.160	0.00	0.00	0.160
TH 527	8.60	0.045	6.00	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
							SUBTOTAL	**0.00**	**1.88**	**6.87**	**0.00**	**8.74**
Primer/Sealer												
T5181	10.9	0.550	6.00	0.00%	9.00%	0.00%	0.00%	0.00	14.2	0.00	0.00	14.2
TS 1	6.75	0.280	6.00	0.00%	2.00%	0.00%	0.00%	0.00	0.993	0.00	0.00	0.993
cs30	7.50	0.280	6.00	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
T5150	9.04	0.140	6.00	2.00%	0.00%	0.00%	10.0%	0.665	0.00	0.00	3.33	3.99
							SUBTOTAL	**0.665**	**15.225**	**0.000**	**3.326**	**19.216**
Base Coat												
9905	7.49	0.987	6.00	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
dmt27	23.1	0.020	6.00	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
9867	7.94	0.045	6.00	0.60%	0.00%	0.00%	4.00%	0.056	0.00	0.00	0.38	0.432
9858	8.37	0.054	6.00	6.00%	0.00%	0.00%	36.0%	0.713	0.00	0.00	4.28	4.99
ts281	8.11	0.674	6.00	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
ts206	7.66	0.600	6.00	1.00%	0.00%	0.00%	8.00%	1.21	0.00	0.00	9.66	10.9
ts203	7.66	0.740	6.00	2.00%	0.00%	0.00%	9.00%	2.98	0.00	0.00	13.4	16.4
trs4	7.36	2.99	6.00	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
dmt8	21.2	0.002	6.00	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
dmt11	22.5	0.009	6.00	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
8882	7.24	0.190	6.00	9.00%	0.00%	0.00%	51.0%	3.25	0.00	0.00	18.4	21.7
cs5	6.59	0.026	6.00	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
dmt6	21.7	0.002	6.00	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
dmt32	25.0	0.005	6.00	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
9888	7.97	0.015	6.00	0.00%	3.00%	2.00%	0.00%	0.00	0.094	0.063	0.00	0.157
9850	7.63	0.900	6.00	4.00%	0.00%	0.00%	25.0%	7.22	0.00	0.00	45.1	52.3
							SUBTOTAL	**15.43**	**0.09**	**0.06**	**91.27**	**106.86**
Top Coat												
8639 clear	8.09	2.660	6.00	0.200%	10.00%	0.00%	0.00%	1.13	56.6	0.00	0.00	57.7
8876 hardener	9.03	0.660	6.00	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
TS6 reducer	7.26	0.660	6.00	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
							SUBTOTAL	**1.13**	**56.55**	**0.00**	**0.00**	**57.68**
Cleaners												
6388 kleanz-easy II	8.25	0.2500	6.00	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
							SUBTOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
							TOTAL	**19.8**	**76.4**	**8.08**	**109.5**	**214**

METHODOLOGY

HAPs emission rate (tons/yr) = Density (lb/gal) * Gal of Material (gal/unit) * Maximum (unit/hr) * Weight % HAP * 8760 hrs/yr * 1 ton/2000 lbs

Appendix A: Emission Calculations
HAP Emission Calculations
Plant 58 Booths 4 and 5

Company Name: Gulf Stream Coach, Inc.
Address City IN Zip: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Part 70: T039-23289-00145
Permit Reviewer: Stephanie Wilkerson
Date: April 30, 2008

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Ethyl Benzene	Weight % MIBK	Weight % Toluene	Weight % Xylene	Ethyl Benzene Emissions (ton/yr)	MIBK Emissions (ton/yr)	Toluene Emissions (ton/yr)	Xylene Emissions (ton/yr)	Total Emissions (ton/yr)
Booths 4 and 5												
Primer/Sealer												
TE 500	8.72	0.063	0.500	0.200%	3.00%	2.00%	2.00%	0.00	0.036	0.024	0.024	0.086
T5181	10.9	0.156	0.500	0.00%	9.00%	0.00%	0.00%	0.00	0.337	0.00	0.00	0.337
6247	7.62	0.016	0.500	10.0%	0.00%	0.00%	55.0%	0.026	0.00	0.00	0.143	0.169
							SUBTOTAL	**0.028**	**0.373**	**0.024**	**0.167**	**0.592**
Base Coat												
9905	7.49	0.123	0.500	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
dmt27	23.1	0.003	0.500	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
9867	7.94	0.006	0.500	0.600%	0.00%	0.00%	4.00%	0.00	0.00	0.00	0.00	0.00
9858	8.37	0.007	0.500	6.00%	0.00%	0.00%	36.0%	0.007	0.00	0.00	0.045	0.052
ts281	8.11	0.084	0.500	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
ts206	7.66	0.075	0.500	1.00%	0.00%	0.00%	8.00%	0.013	0.00	0.00	0.101	0.113
ts203	7.66	0.093	0.500	2.00%	0.00%	0.00%	9.00%	0.031	0.00	0.00	0.140	0.171
trs4	7.36	0.373	0.500	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
dmt8	21.2	0.0003	0.500	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
dmt11	22.5	0.0011	0.500	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
8882	7.24	0.024	0.500	9.00%	0.00%	0.00%	51.0%	0.034	0.00	0.00	0.192	0.226
cs5	6.59	0.003	0.500	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
dmt6	21.7	0.0003	0.500	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
dmt32	25.0	0.0006	0.500	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
9888	7.97	0.002	0.500	0.00%	3.00%	2.00%	0.00%	0.00	0.00	0.00	0.00	0.00
9850	7.63	0.113	0.500	4.00%	0.00%	0.00%	25.0%	0.08	0.00	0.00	0.470	0.545
							SUBTOTAL	**0.161**	**0.001**	**0.001**	**0.951**	**1.113**
Top Coat												
8639 clear	8.09	0.333	0.500	0.200%	10.0%	0.00%	0.00%	0.012	0.589	0.00	0.00	0.601
8876 hardener	9.03	0.083	0.500	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
TS6 reducer	7.26	0.083	0.500	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
							SUBTOTAL	**0.012**	**0.589**	**0.000**	**0.000**	**0.601**
Cleaners												
6388 kleanz-easy II	8.25	0.0313	0.500	0.00%	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00	0.00
							SUBTOTAL	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**
							TOTAL	**0.201**	**0.963**	**0.025**	**1.118**	**2.31**

METHODOLOGY

HAPs emission rate (tons/yr) = Density (lb/gal) * Gal of Material (gal/unit) * Maximum (unit/hr) * Weight % HAP * 8760 hrs/yr * 1 ton/2000 lbs

Appendix A: Emission Calculations
HAP Emission Calculations
Plant 58 Coating and Assembly

Company Name: Gulf Stream Coach, Inc.
Address City IN Zip: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Part 70: T039-23289-00145
Permit Reviewer: Stephanie Wilkerson
Date: April 30, 2008

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Toluene	Weight % Xylene	Toluene Emissions (ton/yr)	Xylene Emissions (ton/yr)	Total Emissions (ton/yr)
Plant 58								
Coating and Assembly area, identified as Assembly 58								
Chassis Prep								
16-410 Black	8.40	3.00	1.00	0.00%	0.00%	0.00	0.00	0.00
Jettacin Cleaner	8.60	0.250	1.00	0.00%	0.00%	0.00	0.00	0.00
ASC 25 undercoating	9.30	5.00	1.00	0.00%	0.00%	0.00	0.00	0.00
Grey Foam Seal Resin	9.83	5.00	1.00	0.00%	0.00%	0.00	0.00	0.00
Foam Seal Iso	10.3	5.00	1.00	0.00%	0.00%	0.00	0.00	0.00
					SUBTOTAL	**0.00**	**0.00**	**0.00**
Floors								
Pipe Dope	11.7	0.005	1.00	0.00%	0.00%	0.00	0.00	0.00
ABS Black Cement	6.66	0.118	1.00	0.00%	0.00%	0.00	0.00	0.00
Casa 140 pt	7.97	0.125	1.00	0.00%	0.00%	0.00	0.00	0.00
White Wood Glue	9.55	8.00	1.00	0.00%	0.00%	0.00	0.00	0.00
502 Silicone	8.59	2.80	1.00	0.00%	0.00%	0.00	0.00	0.00
Mor Ad M-523	9.66	0.006	1.00	0.00%	0.00%	0.00	0.00	0.00
Silicone Spray	8.33	0.010	1.00	0.00%	0.00%	0.00	0.00	0.00
bc 100 black spray paint	7.03	0.290	1.00	0.00%	0.00%	0.00	0.00	0.00
					SUBTOTAL	**0.00**	**0.00**	**0.00**
Shelling								
1016 Self Leveling Sealant	9.65	24.0	1.00	0.00%	0.00%	0.00	0.00	0.00
30NF Green Contact	9.18	0.735	1.00	3.00%	0.00%	0.887	0.00	0.887
Wind Shield Adhesive	6.84	0.039	1.00	3.00%	0.00%	0.035	0.00	0.035
1010 Adhesive	10.0	0.090	1.00	35.0%	0.00%	1.38	0.00	1.38
Silaprene 12176	9.74	0.041	1.00	0.00%	3.50%	0.00	0.061	0.061
					SUBTOTAL	**2.30**	**0.06**	**2.36**
Final Finish								
Spot Beater	8.13	0.104	1.00	0.00%	0.00%	0.00	0.00	0.00
Insta Buff	8.04	0.006	1.00	0.00%	0.00%	0.00	0.00	0.00
					SUBTOTAL	**0.00**	**0.00**	**0.00**
					TOTAL	**2.30**	**0.061**	**2.36**

METHODOLOGY

HAPs emission rate (tons/yr) = Density (lb/gal) * Gal of Material (gal/unit) * Maximum (unit/hr) * Weight % HAP * 8760 hrs/yr * 1 ton/2000 lbs

Appendix A: Emission Calculations
HAP Emission Calculations
Plant 51 Coating and Assembly and Plant 56 Lamination

Company Name: Gulf Stream Coach, Inc.
Address City IN Zip: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Part 70: T039-23289-00145
Permit Reviewer: Stephanie Wilkerson
Date: April 30, 2008

Material	Density (Lb/Gal)	Gallons of Material (gal/unit)	Maximum (unit/hour)	Weight % Toluene	Weight % Xylene	Weight % MIBK	Toluene Emissions (ton/yr)	Xylene Emissions (ton/yr)	MIBK Emissions (ton/yr)	Total Emissions (ton/yr)
Plant 51										
Coating and Assembly area, identified as Assembly 51										
Floors/Chasis Prep										
Pipe Dope	11.7	0.005	3.25	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
ABS Yellow Cement	7.08	0.025	3.25	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
ABS Black Cement	6.66	0.035	3.25	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
ABS Cleaner	6.75	0.012	3.25	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
hotmelt 5430	7.75	0.078	3.25	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
White Wood Glue	9.55	0.380	3.25	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
Silicone Spray	8.33	0.008	3.25	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
multipurpose floor covering	10.4	0.250	3.25	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
						SUBTOTAL	**0.00**	**0.00**	**0.00**	**0.00**
Shelling										
8011 Adhesive	8.34	0.650	3.25	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
1015 Self Leveling Sealant	10.0	1.37	3.25	34.0%	0.00%	0.00%	66.2	0.00	0.00	66.2
Sikaflex 227	10.6	0.009	3.25	0.00%	3.00%	0.00%	0.00	0.039	0.00	0.039
Enerfoam 43	10.0	0.001	3.25	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
502 Silicone	8.59	0.180	3.25	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
Casa 140 pt	7.97	0.125	3.25	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
hydrafasten dc 12567	9.75	0.250	3.25	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
hydrafasten dc 12239	9.29	0.250	3.25	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
						SUBTOTAL	**66.2**	**0.039**	**0.00**	**66.2**
Final Finish										
Spot Beater	8.13	0.006	3.25	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
Insta Buff	8.04	0.015	3.25	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
						SUBTOTAL	**0.00**	**0.00**	**0.00**	**0.00**
Plant 56										
Plant 56 Lamination, identified as Lam 1 and Lam 2										
SIA 114	8.90	8.60	1.20	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
Hot melt 3249	8.00	2.25	1.20	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
Hot melt 9352	7.50	10.0	1.20	0.00%	0.00%	0.00%	0.00	0.00	0.00	0.00
Ethanol A-1	6.69	0.057	1.20	0.00%	0.00%	1.00%	0.00	0.00	0.020	0.00
						SUBTOTAL	**0.00**	**0.00**	**0.020**	**0.00**
						TOTAL	**66.2**	**0.039**	**0.020**	**66.3**

METHODOLOGY

HAPs emission rate (tons/yr) = Density (lb/gal) * Gal of Material (gal/unit) * Maximum (unit/hr) * Weight % HAP * 8760 hrs/yr * 1 ton/2000 lbs

Appendix A: Emission Calculations
HAP Emission Calculations
Plant 53 Surface Coating

Company Name: Gulf Stream Coach, Inc.
Address City IN Zip: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Part 70: T039-23289-00145
Permit Reviewer: Stephanie Wilkerson
Date: April 30, 2008

Material	Density (Lb/Gal)	Weight % Xylene	Weight % Diisocyanate	Weight % Toluene	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Xylene (TPY)	Toluene (TPY)	Diisocyanate (TPY)
1015 Self Levelling Sealant	9.33	0.00%	0.00%	34.0000%	0.501	4.5	0.00	31.32	0.00
1010 Adhesive	9.57	0.00%	0.00%	37.0000%	0.093	4.5	0.00	6.49	0.00
Silaprene 12176	9.74	3.50%	0.60%	0.0000%	0.220	4.5	1.48	0.00	0.25
Potential Emissions						**Single HAP**	**1.48**	**37.81**	**0.25**
								Total HAPs	**39.54**

METHODOLOGY

HAPS emission rate (tons/yr) = Density (lb/gal) * Gal of Material (gal/unit) * Maximum (unit/hr) * Weight % HAP * 8760 hrs/yr * 1 ton/2000 lbs

Appendix A: Emission Calculations
HAP Emission Calculations
Plant 67 Surface Coating

Company Name: Gulf Stream Coach, Inc.
502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535
Address City IN Zip: US 6 East, Nappanee, Indiana 46550
Part 70: T039-23289-00145
Permit Reviewer: Stephanie Wilkerson
Date: April 30, 2008

Material	Density (Lb/Gal)	Weight % Xylene	Weight % Toluene	Gal of Mat. (gal/unit)	Maximum (unit/hour)	Potential Toluene (TPY)	Potential Xylene (TPY)
silkaflex 227	10.60	3.80%	0.00%	0.065	4.5	0.00	0.51
Miracle SFA-66 construction Adhesive	9.02	0%	13.00%	0.029	4.5	0.67	0.00
				Single HAP		**0.67**	**0.51**
				Total HAPs			**1.18**

METHODOLOGY

HAPS emission rate (tons/yr) = Density (lb/gal) * Gal of Material (gal/unit) * Maximum (unit/hr) * Weight % HAP * 8760 hrs/yr * 1 ton/2000 lbs

Appendix A: Emission Calculations
Woodworking Operations

Company Name: Gulf Stream Coach, Inc.
Address City IN Zip: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Part 70: T039-23289-00145
Reviewer: Stephanie Wilkerson
Date: April 30, 2008

Woodworking Operations

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 (lb/hr)	Emission Rate before Controls (tons/yr)	Emission Rate after Controls (lb/hr)	Emission Rate after Controls (tons/yr)
D-555	96.0%	0.002	3600.0	1.54	6.76	0.062	0.270
D-559	94.0%	0.005	5200.0	3.71	16.3	0.223	0.976
			Total	**5.26**	**23.0**	**0.285**	**1.25**

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

Unit ID	Process Rate (lbs/hr)	Process Weight Rate (tons/hr)	Allowable Emissions (lbs/hr)
D-555	5109	2.55	7.69
D-559	5109	2.55	7.69

Methodology

Allowable Emissions = 4.10(Process Weight Rate)^0.67

Appendix A: Emission Calculations
Woodworking Operations (Wood 51 & Wood 58)

Company Name: Gulf Stream Coach, Inc.

Address City IN Zip: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Part 70: T039-23289-00145
Reviewer: Stephanie Wilkerson
Date: April 30, 2008

Unit ID	Control Efficiency (%)	Grain Loading per Actual Cubic foot of Outlet Air (grains/cub. ft.)	Gas or Air Flow Rate (acfm.)	PM Emission Rate before Controls (lb/hr)	PM Emission Rate before Controls (tons/yr)	PM Emission Rate after Controls (lb/hr)	PM Emission Rate after Controls (tons/yr)
D-51A (Wood 51)	97.0%	0.010	7000	20.0	87.6	0.600	2.63
D-552-A (Wood 58)	97.0%	0.010	7000	20.0	87.6	0.600	2.63
			TOTAL	**40.0**	**175**	**1.20**	**5.26**

Methodology

Emission Rate in lbs/hr (after controls) = (grains/cub. ft.) (cub. ft./min.) (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

Unit ID	Process Rate (lbs/hr)	Process Weight Rate (tons/hr)	Allowable Emissions (lbs/hr)
Wood 51	8120	4.06	10.5
Wood 58	2568	1.28	4.85

Methodology

Allowable Emissions = 4.10(Process Weight Rate)^0.67

Appendix A: Emission Calculations
Woodworking Operations (Plant 53)

Company Name: Gulf Stream Coach, Inc.
502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana
Address City IN Zip: 46550
Part 70: T039-23289-00145
Reviewer: Stephanie Wilkerson
Date: April 30, 2008

						Controlled Potential to Emit (TPY)	
Process	**Control**	**Efficiency**	**Inlet (lbs/hr)**	**PM (lbs/hr)**	**PM10 (lbs/hr)**	**PM**	**PM10**
53WWE	Cyclone	94% (PM/PM10)	13.4	0.804	0.804	3.52	3.52
	Baghouse	97% (PM) & 98.53% (PM10)	38.9	1.167	0.572	5.11	2.5
Total						**8.63**	**6.02**

METHODOLOGY
PM/PM10Controlled Emission Rate (lbs/hr) = Inlet(lbs/hr) x (1-control efficiency)
Controlled PTE (tpy) = Controlled Emission Rate (lbs/hr) * 8760 (hr/yr) * (1/2000 (lbs/ton))
Uncontrolled PTE (tpy) = Controlled Emission Rate (lbs/hr) * 8760 (hr/yr) * (1/2000 (lbs/ton))

Uncontrolled PTE		
	PM	**PM10**
Cyclone	58.69	58.69
Baghouse	170.38	170.43
	229.07	229.12

Allowable Rate of Emissions

Unit ID	Process Rate (lbs/hr)	Process Weight Rate (tons/hr)	Allowable Emissions (lbs/hr)
53WWE	2568	1.28	4.8

Methodology
Allowable Emissions = 4.10(Process Weight Rate)^0.67

Appendix A: Emission Calculations
Woodworking Operations (Plant 67)

Company Name: Gulf Stream Coach, Inc.
Address City IN Zip: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Part 70: T039-23289-00145
Reviewer: Stephanie Wilkerson
Date: April 30, 2008

						Potential to Emit (TPY)	
Process	**Control**	**Efficiency**	**Inlet (lbs/hr)**	**PM (lbs/hr)**	**PM10 (lbs/hr)**	**PM**	**PM10**
67WWE	Cyclone	94% (PM/PM10)	13.4	0.804	0.804	3.52	3.52
	Baghouse	97% (PM) & 98.53% (PM10)	4.5	0.135	0.066	0.59	0.29
Total						**4.11**	**3.81**

METHODOLOGY
PM/PM10Controlled Emission Rate (lbs/hr) = Inlet(lbs/hr) x (1-control efficiency)
Controlled PTE (tpy) = Controlled Emission Rate (lbs/hr) * 8760 (hr/yr) * (1/2000 (lbs/ton))
Uncontrolled PTE (tpy) = Controlled Emission Rate (lbs/hr) * 8760 (hr/yr) * (1/2000 (lbs/ton))

Uncontrolled PTE		
	PM	**PM10**
Cyclone	58.69	58.69
Baghouse	19.71	19.67
	78.40	78.36

Allowable Rate of Emissions

Unit ID	Process Rate (lbs/hr)	Process Weight Rate (tons/hr)	Allowable Emissions (lbs/hr)
67WWE	8120	4.06	10.5

Methodology
Allowable Emissions = 4.10(Process Weight Rate)^0.67

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

Company Name: **Gulf Stream Coach, Inc.**

Address City IN Zip: **502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550**
Permit Number: **T039-23289-00145**
Reviewer: **Stephanie Wilkerson**
Date: **April 30, 2008**

Heat Input Capacity MMBtu/hr	Potential Throughput MMCF/yr
35.02	307

	Pollutant					
	PM*	PM10*	SO2	NOx	VOC	CO
Emission Factor in lb/MMCF	1.90	7.60	0.600	100 **see below	5.50	84.0
Potential Emission in tons/yr	0.291	1.166	0.092	15.3	0.844	12.88

*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 next page for HAPs emissions calculations.

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

Company Name: Gulf Stream Coach, Inc.

Address City IN Zip: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Part 70: T039-23289-00145
Reviewer: Stephanie Wilkerson
Date: April 30, 2008

	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	0.0003	0.0002	0.012	0.276	0.0005

	HAPs - Metals					
	Lead	Cadmium	Chromium	Manganese	Nickel	
Emission Factor in lb/MMcf	0.0005	0.001	0.001	0.0004	0.002	**Total**
Potential Emission in tons/yr	0.0001	0.0002	0.0002	0.00006	0.0003	**0.289**

Methodology is the same as previous page.

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

Appendix A: Emissions Calculations
Welding

Company Name: Gulf Stream Coach, Inc.
Address City IN Zip: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Part 70: T039-23289-00145
Reviewer: Stephanie Wilkerson
Date: April 30, 2008

PROCESS	Number of Stations	Max. electrode consumption per station (lbs/hr)		EMISSION FACTORS* (lb pollutant/lb electrode)				EMISSIONS (lbs/hr)				HAPS (lbs/hr)
WELDING - 69 W				PM = PM10	Mn	Ni	Cr	PM = PM10	Mn	Ni	Cr	
Submerged Arc	1	0.800		0.036	0.011			0.029	0.009	0.00	0	0.009
EMISSION TOTALS												
Potential Emissions lbs/hr								0.029	0.009	0.00	0.00	0.009
Potential Emissions lbs/day								0.691	0.211	0.00	0.00	0.211
Potential Emissions tons/year								0.126	0.039	0.00	0.00	0.039

METHODOLOGY

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

Appendix A: Emissions Calculations
Welding and Thermal Cutting

Company Name: Gulf Stream Coach, Inc.
Address City IN Zip: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Part 70: T039-23289-00145
Reviewer: Stephanie Wilkerson
Date: April 30, 2008

PROCESS	Number of Stations	Max. electrode consumption per station (lbs/hr)		EMISSION FACTORS* (lb pollutant/lb electrode)				EMISSIONS (lbs/hr)				HAPS (lbs/hr)
WELDING				PM = PM10	Mn	Ni	Cr	PM = PM10	Mn	Ni	Cr	
Submerged Arc	10.0	0.516		0.036	0.011			0.186	0.057	0.000	0	0.057
EMISSION TOTALS												
Potential Emissions lbs/hr								0.186	0.057	0.00	0.00	0.057
Potential Emissions lbs/day								4.46	1.36	0.00	0.00	1.36
Potential Emissions tons/year								0.814	0.249	0.00	0.00	0.249

METHODOLOGY

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

Appendix A: Emissions Calculations
Summary

Company Name: Gulf Stream Coach, Inc.
Address City IN Zip: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Part 70: T039-23289-00145
Reviewer: Stephanie Wilkerson
Date: April 30, 2008

Summary of Emissions

Uncontrolled Potential Emissions

Significant Emission Units	**PM**	**PM-10**	**SO2**	**NOx**	**VOC**	**CO**	**Toluene**	**Xylene**	**MIBK**	**Ethyl Benzene**	**Benzene**	**Dichloro-benzene**	**Formal-dehyde**	**Methylene Chloride**	**Methanol**	**Methyl Methacrylate**	**Hexane**	**Lead**	**Cadmium**	**Chromium**	**Manganese**	**Nickel**	**Diisocyanate**	**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)	(tons/yr)	(tons/yr)	(tons/yr)
Plant 56 Lamination Booths, identified as Lam 1 and Lam 2	0.00	0.00	0.00	0.00	3.14	0.00	0.00	0.00	0.020	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	0.020
Paint Booths 1 through 3, located in 22/58 Paint	234	234	0.00	0.00	1725	0.00	8.08	109.5	76.4	19.8	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	213.802
One (1) woodworking area, identified as Wood 51	87.6	87.6	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	0.00	0.00	0.000
One (1) woodworking area, identified as Wood 58	87.6	87.6	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	0.00	0.00	0.000
Paint Booths 4 and 5, located in 22/58 Paint and Plant 51, respectively	3.65	3.65	0.00	0.00	25.0	0.00	0.025	1.118	0.963	0.201	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	2.306
One (1) coating and assembly area, identified as Assembly 58	13.2	13.2	0.00	0.00	68.5	0.00	2.30	0.061	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	2.363
One (1) coating and assembly area, identified as Assembly 51	2.22	2.22	0.00	0.00	46.7	0.00	66.24	0.039	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	66.280
Plant 53 surface coating	139.07	139.07	0.00	0.00	126.5	0.00	37.81	1.480	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	0.25	39.540
Plant 67 surface coating	0.00	0.00	0.00	0.00	47.3	0.00	0.67	0.510	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	1.180
Plant 53 woodworking (53WWE)	229.07	229.12	0.00	0.00	0.0	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
Plant 67 woodworking (67WWE)	78.40	78.36	0.00	0.00	0.0	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
Plant 69 Lamination	0.00	0.00	0.00	0.00	1.6	0.00	0.00	0.000	0.02	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	0.017
Plant 69 Welding	0.13	0.13	0.00	0.00	0.0	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.039
Plant 60 Mini Vista Cruiser Surface Coating	1.61	1.61	0.00	0.00	11.1	0.00	3.87	0.096	0.04	0.04	0.00	0.00	0.00	0.00	0.62	1.08	0.00	0.00	0.00	0.00	0.00	0.00	0.00	5.749
Plant 60 Mini Vista Woodworking (D-555)	6.76	6.76	0.00	0.00	0.0	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
One (1) adhesive and cement application, identified as 59A and one (1) surface coating area, identified as 59SC	0.59	0.59	0.00	0.00	19.5	0.00	12.94	0.000	0.00	0.00	0.00	0.00	0.00	0.0004	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.943
One (1) woodworking operation, identified as D559	16.27	16.27	0.00	0.00	0.0	0.00	0.00	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
Subtotal Significant Emission Unit	**900**	**900**	**0.00**	**0.00**	**2074**	**0.00**	**131.9**	**112.8**	**77.4**	**20.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.6**	**1.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.3**	**344.2**
Insignificant Activities																								
Natural gas-fired combustion	0.291	1.166	0.09	15.3	0.844	12.88	0.0005	0.00	0.00	0.00	0.0003	0.0002	0.012	0.00	0.00	0.00	0.276	0.0001	0.0002	0.0002	0.00006	0.0003	0.0000	0.289
Welding activities	0.814	0.814	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	0.249	0.00	0.00	0.249
Other Insignificant Activities	3.97	3.33	0.933	0.000	1.38	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	0.539
Subtotal Insignificant Activities	**5.08**	**5.31**	**1.03**	**15.34**	**2.22**	**12.88**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.01**	**0.00**	**0.00**	**0.00**	**0.28**	**0.00**	**0.00**	**0.00**	**0.25**	**0.00**	**0.00**	**1.08**
Total	**905**	**905**	**1.03**	**15.3**	**2076**	**12.88**	**131.9**	**112.8**	**77.4**	**20.1**	**0.0003**	**0.0002**	**0.012**	**0.000**	**0.616**	**1.082**	**0.276**	**0.0001**	**0.0002**	**0.0002**	**0.28726**	**0.0003**	**0.2500**	**345**

Company Name: Gulf Stream Coach, Inc.
Address City IN Zip: 502, 503, 504 & 853 South Oakland Avenue, 2404 East Market Street, and 26535 US 6 East, Nappanee, Indiana 46550
Part 70: T039-23289-00145
Reviewer: Stephanie Wilkerson
Date: April 30, 2008

Limited and Controlled Potential Emissions

Significant Emission Units	**PM**	**PM-10**	**SO2**	**NOx**	**VOC**	**CO**	**Toluene**	**Xylene**	**MIBK**	**Ethyl Benzene**	**Benzene**	**Dichloro-benzene**	**Formal-dehyde**	**Methylene Chloride**	**Methanol**	**Methyl Methacrylate**	**Hexane**	**Lead**	**Cadmium**	**Chromium**	**Manganese**	**Nickel**	**Diisocyanate**	**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)	(tons/yr)	(tons/yr)	(tons/yr)
Plant 56 Lamination Booths, identified as Lam 1 and Lam 2	0.00	0.00	0.00	0.00	Included with Assembly 51/58 limit	0.00	0.00	0.00	0.020	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	0.020
Paint Booths 1 through 3, located in 22/58 Paint	9.35	9.35	0.00	0.00	Less than 129	0.00	8.08	109.5	76.4	19.8	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	213.802
One (1) woodworking area, identified as Wood 51	2.63	2.63	0.00	0.00	0.0	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	0.000
One (1) woodworking area, identified as Wood 58	2.63	2.63	0.00	0.00	0.0	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	0.000
Paint Booths 4 and 5, located in 22/58 Paint and Plant 51, respectively	0.146	0.146	0.00	0.00	Included with Paint Booths 1 3 limit	0.00	0.025	1.118	0.963	0.201	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	2.306
One (1) coating and assembly area, identified as Assembly 58	0.093	0.093	0.00	0.00	Less than 55	0.00	2.30	0.061	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	2.363
One (1) coating and assembly area, identified as Assembly 51	2.22	2.22	0.00	0.00		0.00	66.2	0.039	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	66.280
Plant 53 surface coating	139.07	139.07	0.00	0.00	Less than 22	0.00	37.8	1.480	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	0.25	39.540
Plant 67 surface coating	0.00	0.00	0.00	0.00	Less than 18	0.00	0.7	0.510	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	1.180
Plant 53 woodworking (53WWE)	8.63	6.02	0.00	0.00	0.0	0.00	0.0	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
Plant 67 woodworking (67WWE)	4.11	3.81	0.00	0.00	0.0	0.00	0.0	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
Plant 69 Lamination	0.00	0.00	0.00	0.00		0.00	0.0	0.000	0.02	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	0.017
Plant 69 Welding	0.13	0.13	0.00	0.00		0.00	0.0	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.00	0.00	0.039
Plant 60 Mini Vista Cruiser Surface Coating	0.47	0.47	0.00	0.00	Less than 19	0.00	0.0	0.058	0.00	0.04	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	0.100
One (1) adhesive and cement application, identified as 59A and one (1) surface coating area, identified as 59SC	0.59	0.59	0.00	0.00		0.00	12.9	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	12.943
Plant 60 Mini Vista Woodworking	0.27	0.27	0.00	0.00	0.00	0.00	0.0	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
One (1) woodworking operation, identified as D559	0.98	0.98	0.00	0.00	0.00	0.00	0.0	0.000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.000
Subtotal Significant Emission Unit	**171.3**	**168.4**	**0.0**	**0.0**	**See limit below**	**0.0**	**128.1**	**112.8**	**77.4**	**20.1**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.0**	**0.3**	**338.6**
Insignificant Activities																								
Natural Gas-fired combustion	0.291	1.166	0.092	15.3	0.844	12.88	0.0005	0.00	0.00	0.00	0.0003	0.0002	0.012	0.00	0.00	0.00	0.276	0.0001	0.0002	0.0002	0.00006	0.0003	0.0000	0.289
Welding Activities	0.814	0.814	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	0.249	0.00	0.00	0.249
Other Insignificant Activities	3.97	3.33	0.933	0.00	1.38	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	0.539
Subtotal Insignificant Activities	**5.08**	**5.31**	**1.03**	**15.3**	**2.22**	**12.88**	**0.0005**	**0.00**	**0.00**	**0.00**	**0.0003**	**0.0002**	**0.012**	**0.00**	**0.00**	**0.00**	**0.276**	**0.0001**	**0.0002**	**0.0002**	**0.24872**	**0.0003**	**0.0000**	**0.54**
Total	**176.4**	**173.7**	**1.03**	**15.3**	**Less than 250**	**12.88**	**Each greater than ten (10) tons**																	**Total greater than 25 tons**