Environmental Protection and Growth Management Department
POLLUTION PREVENTION, REMEDIATION AND AIR QUALITY DIVISION
One North University Drive, Suite 203, Plantation, Florida 33324 (954-519-1220 * Fax: 954-519-1495)

NOTICE OF PERMIT

Harris Glaser
Vice President
Midnight Express Powerboats Inc
4720 NW 15th Ave, Suite C
Fort Lauderdale, FL 33309

VIA FEDEX

Dear Mr. Glaser:

Enclosed is Permit No. 0112714-001-AC to construct an air pollution source issued pursuant to Section 403.087 of the Florida Statutes, Broward County's Specific Operating Agreement with the Florida Department of Environmental Protection, and Broward County Code Chapter 27 Article IV which adopts Florida Administrative Code (FAC) 62-4, 62-204, 62-210, 62-296 and 62-297.

Persons whose substantial interests are affected by this permit have a right, pursuant to Section 120.57, Florida Statutes, to petition for an administrative determination (hearing) on it. The petition must conform to the requirements of Chapters 62-103 and 28-5.201, FAC, and must be filed (received) in the Clerk of the Department in the legal office (Office of Jeffrey J. Newton, Broward County Attorney at 115 S. Andrews Avenue, Suite 423, Fort Lauderdale, Florida 33301-1872) within 14 days of receipt of this notice. Failure to file a petition within the 14 days constitutes a waiver of any right such person has to an administrative determination (hearing) pursuant to Section 120.57, Florida Statutes and Chapter 27.

This permit is final and effective on the date filed with the Clerk of the PPRAQD unless a petition is filed in accordance with this paragraph or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 62-103.070, FAC. Upon timely filing of a petition or a request for an extension of time, this permit will not be effective until further Order of the PPRAQD. When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the legal office; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department in the legal office.

Executed in Broward County, Florida

for

Jeffery D. Halsey, Director
Pollution Prevention, Remediation and Air Quality Division

cc: Lennon Anderson, DEP Southeast District Office (VIA EMAIL)
Stephanie Brooks, P.E. (VIA EMAIL)

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on _____ to the listed persons.

_____ Clerk

_____ Date

Environmental Protection and Growth Management Department
POLLUTION PREVENTION, REMEDIATION AND AIR QUALITY DIVISION
One North University Drive, Suite 203, Plantation, Florida 33324
954-519-1220 * Fax: 954-519-1495

FINAL PERMIT

Permittee:
Harris Glaser
Vice-President
Midnight Express Powerboats Inc.

ARMS ID. No: 0112714
Permit No: 0112714-001-AC
Date of Issue: June 29, 2009
Expiration Date: June 29, 2010
County: Broward

Project: Construction permit for the relocation of Midnight Express Powerboats.
To Serve: A boat building operation (SIC 3732)
Located at: Port 95 Commerce Park, 3725 SW 30th Ave, Hollywood, Broward, Florida 33312, Latitude/Longitude: 26° 4` 27.91" N/ 80° 10` 50.92" W

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), Florida Administrative Code (F.A.C.) Rules 62-4 and 62-210 through 62-297 (permitting requirements) and Broward County Code, Chapter 27 (emission limitations) and in conformance with all existing regulations of the Florida Department of Environmental Protection (FDEP.) The above-named Permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the Broward County Pollution Prevention, Remediation and Air Quality Division (PPRAQD) and made a part hereof and specifically described as follows:

Construction: The subject of this construction permit is the relocation of an existing powerboat manufacturing operation within Broward County. The specific emission unit (EU) is:

EU ID	Description of Emissions Unit
001	Boat Building Operation

Fugitive volatile organic compounds (VOC) and hazardous air pollutants (HAPs) generated during the boat building operations are exhausted through roof vents. The fugitive VOC and HAPs emissions are generated from: spray application on open molds for lamination and gel coating of the deck, hull, and small parts; resin and gel coat mixing; carpet and fabric adhesive operations; and resin and gel coat application equipment cleaning operations. Emissions of particulate matter (PM10) are generated during decking, rigging, patching, carpentry, upholstery operations.

This facility is a major source of hazardous air pollutants (HAPs), and is subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Boat Manufacturing (40 CFR 63 Subpart VVVV).

In Accordance with: Electronic construction permit application (EPSAP) No. 2105- 1, and the Notice of Intent issued on April 2, 2009 and published on April 8, 2009 in the Broward Daily Business Review (none are attached).

Subject to: Conditions 1 to 24, Subsection [A], and Appendices 1 to 6.

General Conditions

1. Terms of Permit. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861,F.S. The permittee is placed on notice that the PPRAQD will review this permit periodically and may initiate enforcement action for any violation of these conditions.
[Rule 62-4.160 (1), F.A.C]

2. Permit Validity. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the PPRAQD.
[Rule 62-4.160 (2), F.A.C]

3. Disclaimer. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, or any violations of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other permit that may be required for other aspects of the total project which are not addressed in this permit.
[Rule 62-4.160 (3), F.A.C]

4. Disclaimer. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interest have been obtained from the State of Florida. Only the Trustees of the Internal Improvement trust Fund may express State opinion as to title.
[Rule 62-4.160 (4), F.A.C]

5. Liability. This permit does not relieve the Permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the Permittee to cause pollution in contravention of Florida Statutes and FDEP rule, unless specifically authorized by an order from the FDEP.
[Rule 62-4.160 (5), F.A.C]

6. Operation and Maintenance. The Permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the Permittee to achieve compliance with the conditions of this permit, as required by FDEP rules. This provision included the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by FDEP rules.
[Rule 62-4.160 (6), F.A.C]

7. Onsite Inspection Activities. The Permittee, by accepting this permit, specifically agrees to allow authorized PPRAQD personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times (depending on the nature of the concern being investigated), access to the premises where the permitted activity is located or conducted to:
   (a) Have access to and copy any records that must be kept under conditions of the permit;
   (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
   (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or FDEP rules.

   Reasonable time may depend on the nature of the concern being investigated.
   [Rule 62-4.160 (7), F.A.C]

8. Notice of Noncompliance. If, for any reason, the Permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the Permittee shall immediately provide

PPRAQD with the following information:

(a) A description of and cause of noncompliance; and

(b) The period of noncompliance, including dates and times, or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The Permittee shall be responsible for any enforcement action by PPRAQD for penalties or for revocation of this permit.

[Rule 62-4.160 (8), F.A.C]

9. Evidence Materials. By accepting this permit, the Permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted facility or activity, that are submitted to the PPRAQD, may be used by the PPRAQD as evidence in any enforcement proceeding arising under the Florida Statues or F.A.C. rules, except where such use is prohibited by Section 403.111 and 403.73, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
[Rule 62-4.160 (9), F.A.C]

10. Rule Changes. The Permittee agrees to comply with changes in FDEP rules and Florida Statutes after a reasonable time for compliance; provided, however, the Permittee does not waive any other rights granted by Florida Statutes or DEP rules.
[Rule 62-4.160 (10), F.A.C]

11. Permit Transfer. This permit is transferable only upon PPRAQD approval in accordance with Rule 62-4.120 and 62-730.300 F.A.C., as applicable. The Permittee shall be liable for any non-compliance of the permitted activity until the transfer approved by the PPRAQD.
[Rule 62-4.160 (10), F.A.C]

12. Work Site Copy. This permit or a copy thereof shall be kept at the work site of the permitted activity.
[Rule 62-4.160 (12), F.A.C]

13. Miscellaneous Compliance Requirements. The Permittee shall comply with the following:

(a) Upon request, the Permittee shall furnish all records and plans required under FDEP rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the PPRAQD.

(b) The Permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recording for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by FDEP rule.

(c) Records of monitoring information shall include:

1. The date, exact place, and time of sampling or measurements;
2. The person responsible for performing the sampling or measurements;
3. The dates analyses were performed.
4. The person responsible for performing the analyses;
5. The analytical techniques or methods used;
6. The results of such analyses.

[Rule 62-4.160 (14), F.A.C]

14. Information Submittal. When requested by the PPRAQD, the Permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the Permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the PPRAQD, such facts or information shall be corrected promptly.
[Rule 62-4.160 (15), F.A.C]

15. Reporting Noncompliance. The Permittee shall report any periods of noncompliance to the PPRAQD immediately by phone 954-519-1499 or by Email EPDHOTLINE@broward.org. This also applies when the period of non-compliance is first determined after normal business hours or on weekends and holidays.

16. Rules Adoption. Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, as amended, are adopted by Broward County Code, Sec. 27-173.

Facility-wide Conditions

17. Objectionable Odor Prohibited. No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance.
[Rule 62-296.320(2), 62-210.200(Definitions), and 62-4.070(3) F.A.C.]

18. Volatile Organic Compounds (VOC) or Organic Solvents (OS) Emissions. The owner or operator shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, VOC or OS without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the PPRAQD.
[Rule 62-296.320(1)(a), F.A.C]

19. General Visible Emissions. No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity. EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C. This regulation does not impose a specific testing requirement.
[Rule 62-296.320(4)(b)1, F.A.C.]

20. Emissions of Unconfined Particulate Matter (PM). No person shall cause, let, permit, suffer or allow the emissions of unconfined PM from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Reasonable precautions to prevent emissions of unconfined PM at this facility include, but not limited to:
(1) Use of hoods, filters, and similar equipment to contain or capture the PM generated during boat manufacturing operations.
[Rule 62-296.320(4) (c), F.A.C]

21. Circumvention. No person shall circumvent any air pollution device, or allow the emission of air pollutants without the applicable air pollution control device operating properly.
Concealment. No person shall build, erect, install, or use any article, machine, equipment or other contrivance, the use of which will conceal any emission which would otherwise constitute a violation of any provisions of Broward County Codes.
Maintenance. No person shall operate any air pollution control equipment or systems without proper and sufficient maintenance to assure compliance with Broward County Codes.
[Rule 62-210.650, F.A.C., Broward County Code, Sec. 27-175(b) and (d)]

22. Operating Permit Application. By this construction permit, the owner or operator is allowed to construct, operate, and conduct tests to determine compliance with the provisions of the permit, and to apply for and receive an operating permit prior to the expiration date of this construction permit. To properly apply for an operation permit the applicant shall submit the certification that construction was completed noting any deviations from the conditions in the construction permit and test results where appropriate.
[Rules 62-4.210(3), and 62-4.220, F.A.C.]
{Permitting Note. The Permittee may also elect to submit the application electronically using the Electronic

Permit Submittal and Processing system (EPSAP) available at http://www.dep.state.fl.us/air/software.htm }

23. Annual Operating Report (AOR). The AOR shall be submitted to the PPRAQD by April 1 of the following year, except that the annual operating report for year 2008 shall be submitted by May 1, 2009. If the report is submitted using FDEP's electronic annual operating report software (EAOR), there is no requirement to submit a copy to PPRAQ.
[Rule 62-210.370(3) (c), F.A.C.]
{Permitting Note. Information on the EAOR submittal is available at http://www.dep.state.fl.us/air/eproducts/eaor/default.htm }

24. Sources subject to Subpart VVVV of Part 63. The owner or operator shall comply with the applicable requirements of the General Provisions listed in Table 8 (edited) to Subpart VVVV of Part 63 (see Appendix 6 of this permit).
[40 CFR 63.5773]

Section [A]
This section addresses the following emissions unit:

E.U. No.	**Brief Description**
-001	Fiberglass Boat Manufacturing Operations

This emission unit consists of open molding Fiberglass manufacturing processes. Equipment for this emission unit is transferred from an existing site to the new site.
{Permitting Note. **IMPORTANT REGULATORY CLASSIFICATIONS** – This emission unit is regulated under Rule 62-204.800 (b) (78), F.A.C which adopts by reference 40 CFR 63, Subpart VVVV of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Fiberglass Boat Manufacturing.}

Essential Potential to Emit (PTE) Parameters
A.1. Capacity. The source is capable of utilizing 22 tons of gel coating and 259 tons of fiberglass resin (emitting 22 tons of styrene HAP) for laminating boats in a 12 months period if operated on a 7 days/week schedule.
[Rule 62-4.160(2), F.A.C. and Rule 62-210.200, F.A.C., Definitions - (PTE)]
(Permitting Note. Capacity is estimated using August 2007 (maximum monthly material consumption between September 2006 and September 2008) data operating at a 5 day/week schedule at the Fort Lauderdale site.)

Emission Limitations and Standards
A.2. Resin and Gel Coat Mixing Operations. The owner or operator shall implement the following work practice standards:
(a) *Containers.* All resin and gel coat mixing containers with a capacity equal to or greater than 208 liters, including those used for on-site mixing of putties and polyputties, must have a cover with no visible gaps in place at all times.
(b) *Exemption.* The work practice standard in paragraph (a) of this section does not apply when material is being manually added to or removed from a container, or when mixing or pumping equipment is being placed in or removed from a container.
[40 CFR 63.5731]

A.3. Resin and Gel Coat Application Equipment Cleaning Operations. The owner or operator shall implement the following work practice standards:
(a) *Routine flushing.* For routine flushing of resin and gel coat application equipment (e.g., spray guns, flowcoaters, brushes, rollers, and squeegees), the owner or operator shall use a cleaning solvent that contains no more than 5 percent organic HAP by weight. For removing cured resin or gel coat from application equipment, no organic HAP content limit applies.
(b) *Containers.* The owner or operator shall store organic HAP-containing solvents used for removing cured resin or gel coat in containers with covers. The covers must have no visible gaps and must be in place at all times, except when equipment to be cleaned is placed in or removed from the container. On containers with a capacity greater than 7.6 liters, the distance from the top of the container to the

solvent surface must be no less than 0.75 times the diameter of the container. Containers that store organic HAP-containing solvents used for removing cured resin or gel coat are exempt from the requirements of 40 CFR part 63, subpart T. Cured resin or gel coat means resin or gel coat that has changed from a liquid to a solid.

[40 CFR 63.5734, 40 CFR 63.5737]

A.4. Carpet and Fabric Adhesive Operations. The owner or operator shall use carpet and fabric adhesives that contain no more than 5 percent organic HAP by weight.
[40 CFR 63.5740(a)]

A.5. (a) HAP Emissions Limit for open molding operations. The total HAP that can be emitted from all open molding operations at the facility shall not exceed the emission limit (HAP Limit) specified in the following equation (Eq. 1), based on a 12-month rolling average:

$$HAP\ Limit = \left[46\left(M_R\right)+159\left(M_{PG}\right)+291\left(M_{CG}\right)+54\left(M_{TR}\right)+214\left(M_{TG}\right)\right] \quad -\left(Eq.1\right)$$

Where:

HAP Limit= total allowable organic HAP that can be emitted from the open molding operations, kilograms.

M_R = mass of non exempted production resin used in the past 12 months, megagrams

M_{PG} = mass of non exempted pigmented gel coat used in the past 12 months, megagrams

M_{CG} = mass of non exempted clear gel coat used in the past 12 months, megagrams

M_{TR} = mass of non exempted tooling resin used in the past 12 months, megagrams

M_{TG} = mass of non exempted tooling gel coat used in the past 12 months, megagrams

(b) Exempted Material. The following materials are exempt from the open molding emission limit specified in Equation 1 above.

(1) Production resins (including skin coat resins) applied with non atomizing (non-spray) resin application equipment that must meet specifications for use in military vessels or must be approved by the U.S. Coast Guard for use in the construction of lifeboats, rescue boats, and other life-saving appliances approved under 46 CFR subchapter Q or the construction of small passenger vessels regulated by 46 CFR subchapter T.

(2) Pigmented, clear, and tooling gel coat used for part or mold repair and touch up. The total gel coat materials included in this exemption must not exceed 1 percent by weight of all gel coat used at the facility on a 12-month rolling-average basis.

(3) Pure, 100 percent vinylester resin used for skin coats. This exemption does not apply to blends of vinylester and polyester resins used for skin coats. The total resin materials included in the exemption cannot exceed 5 percent by weight of all resin used at your facility on a 12-month rolling-average basis.

[40 CFR 63.5698]

Test Methods and Procedures

A.6. Compliance Dates. The owner or operator shall comply with the applicable standards and work practices of subpart VVVV upon startup.
[40 CFR 63.5695]

A.7. Demonstrating Compliance with the Resin and Gel Coat Mixing Operation Standards.
The owner or operator shall visually inspect all mixing containers subject to this standard at least once per month. The inspection should ensure that all containers have covers with no visible gaps between the cover and the container, or between the cover and equipment passing through the cover.
[40 CFR 63.5731(c)]

A.8. Demonstrating Compliance with the Resin and Gel Coat Application Equipment Cleaning Operation

Standards.

(1) The owner or operator shall determine and record the organic HAP content of the cleaning solvents using the methods specified in 40 CFR 63.5758 (see Appendix 1 of this permit).

(2) For recycle cleaning solvents on site, the owner or operator shall use documentation from the solvent manufacturer or supplier or a measurement of the organic HAP content of the cleaning solvent as originally obtained from the solvent supplier for demonstrating compliance, subject to the conditions in 40 CFR 63.5758 (see Appendix 1 of this permit) for demonstrating compliance with organic HAP content limits.

(3) At least once per month, the owner or operator shall visually inspect any containers holding organic HAP-containing solvents used for removing cured resin and gel coat to ensure that the containers have covers with no visible gaps. Keep records of the monthly inspections and any repairs made to the covers.

[40 CFR 63.5737]

A.9. Demonstrating Compliance with the Carpet and Fabric Adhesive Operation Standards.

The owner or operator shall determine and record the organic HAP content of the carpet and fabric adhesives using the methods in 40 CFR 63.5758 (see Appendix 1 of this permit).

[40 CFR 63.5740(b)]

A.10. Demonstrating Compliance with the HAP Emission Limit for Open Molding Operations. The owner or operator can demonstrate compliance with the HAP emission limit (estimated using equation 1, above) by using any of the following options: (1) The maximum achievable control technology (MACT) model point value averaging (emissions averaging) option (see Appendix 2), (2) The compliant materials option (see Appendix 3), or (3) The add-on controls option (see Appendix 4).

[40 CFR 63.5701]

(Permitting Note. Compliance with the emissions limits is based on a 12-month rolling average except when an add-on control device is used. At the end of every month, the owner or operator shall determine compliance for each operation based on the HAP content and material consumption data collected over the past 12 months. When an add-on control device is used, compliance is determined through emissions testing and subsequent monitoring.)

Notifications, Recordkeeping and Reporting Requirements

A.11. Notification Requirements.

(a) The owner or operator shall submit the notification of compliance status to PPRAQD by the dates shown in Table 7 to subpart VVVV (see Appendix 5).

(b) If there is a change in any information submitted in any notification, the owner or operator shall submit the change in writing to the PPRAQD within 15 calendar days after the change.

[40 CFR 63.5761]

A.12. Reporting Requirements.

(a) *Report Organization.* To the extent possible, the owner or operator shall organize each report to PPRAQD according to the operations covered and the compliance procedure followed for that operation.

(b) *Submittal Dates.* Unless the PPRAQD has approved a different schedule for submission of reports under 40 CFR 63.10(a), the owner or operator shall submit each report by the dates in paragraphs (b)(1) through (5) of this section.

(1) [First Compliance Report Period]. If complying with organic HAP content limits, application equipment requirements, or MACT model point value averaging provisions, the first compliance report shall cover the period beginning 12 months after startup and ending on June 30 or December 31, whichever date is the first date following the end of the first 12-month period after startup. If complying using an add-on control device, the first compliance report shall cover the period beginning on startup and ending on June 30 or December 31, whichever date is the first

date following the end of the first calendar half after startup.

(2) [First Compliance Report Submittal Date]. The first compliance report shall be postmarked or delivered no later than 60 calendar days after the end of the compliance reporting period specified in paragraph (b)(1) of this section.

(3) [Subsequent Report Period]. Each subsequent compliance report must cover the applicable semiannual reporting period from January 1 through June 30 or from July 1 through December 31.

(4) [Subsequent Report Submittal Date]. Each subsequent compliance report shall be postmarked or delivered no later than 60 calendar days after the end of the semiannual reporting period.

(5) For each affected source that is subject to permitting regulations pursuant to 40 CFR part 70 ("Title V program") or 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) (" submittal of reports of any required monitoring at least every 6 months") or 40 CFR 71.6(a)(3)(iii)(A), the first and subsequent compliance reports shall be submitted according to the dates PPRAQD has established instead of according to the dates in paragraphs (b)(1) through (4) of this section.

(c) *Report Content.* The compliance report must include the information specified in paragraphs(c)(1) through (7) of this section.

(1) Company name and address.

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

(3) The date of the report and the beginning and ending dates of the reporting period.

(4) A description of any changes in the manufacturing process since the last compliance report.

(5) A statement or table showing, for each regulated operation, the applicable organic HAP content limit, application equipment requirement, or MACT model point value averaging provision with which the source is complying. The statement or table shall also show the actual weighted-average organic HAP content or weighted-average MACT model point value (if applicable) for each operation during each of the rolling 12-month averaging periods that end during the reporting period.

(6) If source was in compliance with the emission limits and work practice standards during the reporting period, a statement should be included to that effect.

(7) If the source deviated from an emission limit or work practice standard during the reporting period, the information listed in paragraphs (c)(7)(i) through (iv) of this section should also be included in the semiannual compliance report.

(i) A description of the operation involved in the deviation.

(ii) The quantity, organic HAP content, and application method (if relevant) of the materials involved in the deviation.

(iii) A description of any corrective action taken to minimize the deviation and actions taken to prevent it from happening again.

(iv) A statement of whether or not the source was in compliance for the 12-month averaging period that ended at the end of the reporting period.

(d) *Add-on Controls.* If using an add-on control device, a semiannual compliance reports and quarterly excess emission reports shall be submitted as specified in 40 CFR 63.10(e). The contents of the reports are specified in 40 CFR 63.10(e).

(e) *Add-on Controls.* If using an add-on control device, a startup, shutdown, and malfunction plan shall be completed as specified in 40 CFR 63.6(e), and the startup, shutdown, and malfunction reports shall be submitted as specified in 40 CFR 63.10(e)(5).

[40 CFR 63.5764]

A.13. General Recordkeeping Requirements. The owner or operator shall maintain the following records:

(a) A copy of each notification and report that was submitted to comply with this subpart.

(b) All documentation supporting any notification or report that was submitted.

(c) If complying with organic HAP content limits, application equipment requirements, or MACT model point value averaging provisions, the owner or operator shall keep the records specified in paragraphs

(c)(1) through (3) of this section.

(1) The total amounts of open molding production resin, pigmented gel coat, clear gel coat, tooling resin, and tooling gel coat used per month and the weighted-average organic HAP contents for each operation, expressed as weight-percent. For open molding production resin and tooling resin, the owner or operator shall also record the amounts of each applied by atomized and nonatomized methods.

(2), (3) NA (aluminum coating).

(d) If using an add-on control device, the owner or operator shall keep the records specified in 40 CFR 63.10(b) related to control device startup, shut down, and malfunction events; control device performance tests; and continuous monitoring system performance evaluations.

In addition, the owner or operator shall implement the following:

(e) Ensure that records are readily available and maintained in a manner that can be easily inspected and reviewed.

(f) Each record shall be kept for 5 years following the date that the record is generated.

(g) Each record shall be kept on site for at least 2 years after the date that the record is generated. Records can be kept offsite for the remaining 3 years.

(h) Records can be kept on paper or an alternative media, such as microfilm, computer, computer disks, magnetic tapes, or on microfiche.

[40 CFR 63.5767, 40 CFR 63.5770]

A.14. Specific Rcordkeeping Requirements for Open Molding Operations. In addition to the General Recordkeeping Requirements (see above), the owner or operator shall also keep the following records depending on compliance option used:

(a) *Emissions averaging option*

(i) Hazardous air pollutant content.

(ii) Amount of material used per month.

(iii) Application method used for production resin and tooling resin. This record is not required if all production resins and tooling resins are applied with non-atomized technology.

(iv) Calculations performed to demonstrate compliance based on MACT model point values.

(b) *Compliant materials option.*

(i) Hazardous air pollutant content.

(ii) Application method for production resin and tooling resin. This record is not required if all production resins and tooling resins are applied with non-atomized technology.

(iii) Amount of material used per month. This record is not required for an operation if all materials used for that operation comply with the organic HAP content requirements.

[40 CFR 63.5704]

A.15. Recordkeeping Requirements for Resin and Gel Coat Mixing Operations The owner or operator shall keep records of which mixing containers are subject to this standard and the results of the inspections, including a description of any repairs or corrective actions taken.
[40 CFR 63.5731(d)]

A.16. Recordkeeping Requirements for Resin and Gel Coat Application Equipment Cleaning Operation Standards. The owner or operator shall keep records of the monthly inspections and any repairs made to the container covers that have visible gaps.
[40 CFR 63.5737(c)]

A.17. Recordkeeping Requirements for Carpet and Fabric Adhesive Operations. The owner or operator shall record the organic HAP content of the carpet and fabric adhesives that was determined using the methods in 40 CFR 63.5758 (see Appendix 1 of this permit).
[40 CFR 63.5740(b), 40 CFR 63.5758]

Appendix 1

Determining the HAP content of materials

[40 CFR 63.5758]

The owner or operator shall use one of the options in paragraphs (a)(1) through (6) of this section to determine the HAP content for each material used.

(a)(1) *Method 311 (appendix A to 40 CFR part 63).*

(a)(2) [Reserved]

(a)(3) ASTM D1259-85 (Standard Test Method for Nonvolatile Content of Resins).

(a)(4) *Alternative test method.* Determining the mass fraction of organic HAP after obtaining prior approval by the US EPA according to the procedure in Sec. 63.7(f) to submit an alternative test method for approval.

(a)(5) *Supplier or manufacturer information of the material.*

(i) Include in the organic HAP total 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, it is not included in the organic HAP total.

(ii) If the organic HAP content is provided by the material supplier or manufacturer as a range, then use the upper limit of the range for determining compliance. If a separate measurement of the total organic HAP content using the methods specified in paragraphs (a)(1) through (4) of this section exceeds the upper limit of the range of the total organic HAP content provided by the material supplier or manufacturer, then use the measured organic HAP content to determine compliance.

(iii) If the organic HAP content is provided as a single value, assume the value is a manufacturing target value and actual organic HAP content may vary from the target value. If a separate measurement of the total organic HAP content using the methods specified in paragraphs (a)(1) through (4) of this section is less than 2 percentage points higher than the value for total organic HAP content provided by the material supplier or manufacturer, then you may use the provided value to demonstrate compliance. If the measured total organic HAP content exceeds the provided value by 2 percentage points or more, then use the measured organic HAP content to determine compliance.

(a)(6) *Solvent blends.* Solvent blends may be listed as single components for some regulated materials in certifications provided by manufacturers or suppliers. Solvent blends may contain organic HAP which must be counted toward the total organic HAP content of the materials. When detailed organic HAP content data for solvent blends are not available, use the values for organic HAP content that are listed in Table 5 or 6 to Subpart VVVV (see below). Use Table 6 to Subpart VVVV only if the solvent blends in the materials used do not match any of the solvent blends in Table 5 to Subpart VVVV and it is known that the blend is either aliphatic or aromatic. However, if test results indicate higher values than those listed in Table 5 or 6 to Subpart VVVV, then the test results must be used for determining compliance.

Table 5 to Subpart VVVV—Default Organic HAP Contents of Solvents and Solvent Blends

As specified in 40 CFR 63.5758(a)(6), when detailed organic HAP content data for solvent blends are not available, the owner or operator may use the values in the following table:

Solvent/solvent blend	CAS No.	Average organic HAP content, percent by mass	Typical organic HAP, percent by mass
1 Toluene	108–88–3	100	Toluene.
2 Xylene(s)	1330–20–7	100	Xylenes, ethylbenzene.
3 Hexane	110–54–3	50	n-hexane.
4 n-hexane	110–54–3	100	n-hexane.
5 Ethylbenzene	100–41–4	100	Ethylbenzene.
6 Aliphatic 140		0	None.
7 Aromatic 100		2	1% xylene, 1% cumene.
8 Aromatic 150		9	Naphthalene.
9 Aromatic naptha	64742–95–6	2	1% xylene, 1% cumene.

10 Aromatic solvent	64742–94–5	10	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	15	Toluene.
14 Low aromatic white spirit	64742–82–1	0	None.
15 Mineral spirits	64742–88–7	1	Xylenes.
16 Hydrotreated naphtha	64742–48–9	0	None.
17 Hydrotreated light distillate	64742–47–8	0.1	Toluene.
18 Stoddard solvent	8052–41–3	1	Xylenes.
19 Super high-flash naphtha	64742–95–6	5	Xylenes.
20 Varol solvent	8052–49–3	1	0.5% xylenes, 0.5% ethyl benzene.
21 VM & P naphtha	64742–89–8	6	3% toluene, 3% xylene.
22 Petroleum distillate mixture	68477–31–6	8	4% naphthalene, 4% biphenyl.

Table 6 to Subpart VVVV—Default Organic HAP Contents of Petroleum Solvent Groups
As specified in 40 CFR 63.5758(a)(6), when detailed organic HAP content data for solvent blends are not available, the owner or operator may use the values in the following table:

Solvent type	Average organic HAP content, per-cent by mass	Typical organic HAP, percent by mass
Aliphatic (Mineral Spirits 135, Mineral Spirits 150 EC, Naphtha, Mixed Hydro-carbon, Aliphatic Hydrocarbon, Aliphatic Naptha, Naphthol Spirits, Petroleum Spirits, Petroleum Oil, Petroleum Naphtha, Solvent Naphtha, Solvent Blend.).	3	1% Xylene, 1% Toluene, and 1% Ethylbenzene.
Aromatic (Medium-flash Naphtha, High-flash Naphtha, Aromatic Naphtha, Light Aromatic Naphtha, Light Aromatic Hydrocarbons, Aromatic Hydrocarbons, Light Aromatic Solvent.).	6	4% Xylene, 1% Toluene, and 1% Ethylbenzene.

Appendix 2

Complying with the Open Molding Operation Standards using the MACT Model Point Value Averaging (Emissions Averaging) Option

{*Definition.* MACT model point value means a number calculated for open molding operations that is a surrogate for emissions and is used to determine if the open molding operations are in compliance with the emission limit in subpart VVVV). MACT model point values are based on HAP content and application method for each material.}

APP2.1. Implementation Plan.

(a) if complying by using the emissions averaging option, the owner or operator shall prepare an implementation plan as described in (b) to (e) of this section.

(b) The implementation plan must describe the steps the owner or operator will take to bring the open molding operations into compliance. For each operation included in the emissions average, the implementation plan must include the elements listed in paragraphs (b)(1) through (3) of this section.

(1) A description of each operation included in the average.

(2) The maximum organic HAP content of the materials used, the application method used (if any atomized resin application methods are used in the average), and any other methods used to control emissions.

(3) Calculations showing that the operations covered by the plan will comply with the open molding allowable emission limit (see equation 1, above).

(c) The owner or operator shall submit the implementation plan to the PPRAQD with the notification of compliance status described in 40 CFR 63.9 (h) (see Appendix 5, "*Notification Requirements*").

(d) The owner or operator shall keep the implementation plan on site and provide it to the PPRAQD when asked.

(e) The owner or operator shall submit any revised implementation plan with the next semiannual compliance report which covers the periods from January 1 through June 30 or from July 1 through December 31.

(40 CFR 63.5707)

APP2.2 Compliance periods. The owner or operator shall demonstrate compliance using the emissions averaging option at the end of each month (i.e. 12 times a year), on a 12-month rolling-average basis.
(40 CFR 63.5710 (a))

APP2.3. HAP content determination. The owner or operator shall use the methods specified in 40 CFR 63.5758 (see Appendix 1 of this permit) to determine the organic HAP content of resins and gel coats.
(40 CFR 63.5704(a)(1))

APP2.4. Compliance demonstration using the MACT model point value methodology. The owner or operator shall use the following equation (Eq.2) to demonstrate that the organic HAP emissions from those operations included in the average do not exceed the allowable emission limit estimated using equation 1 (see Eq.1 above) for the same 12-month period.

$$HAP\,emissions = (PV_R)(M_R) + (PV_{PG})(M_{PG}) + (PV_{CG})(M_{CG}) + (PV_{TR})(M_{TR}) + (PV_{TG})(M_{TG}) \quad - (Eq.2)$$

Where:

HAP emissions = Organic HAP emissions calculated using MACT model point values for each operation included in the average, kilograms.

PV_R = Weighted-average MACT model point value for production resin used in the past 12 months, kilograms per megagram.

M_R = Mass of production resin used in the past 12 months, megagrams.

PV_{PG} = Weighted-average MACT model point value for pigmented gel coat used in the past 12 months, kilograms per megagram.

M_{PG} = Mass of pigmented gel coat used in the past 12 months, megagrams.
PV_{CG} = Weighted-average MACT model point value for clear gel coat used in the past 12 months, kilograms per megagram.
M_{CG} = Mass of clear gel coat used in the past 12 months, megagrams.
PV_{TR} = Weighted-average MACT model point value for tooling resin used in the past 12 months, kilograms per megagram.
M_{TR} = Mass of tooling resin used in the past 12 months, megagrams.
PV_{TG} = Weighted-average MACT model point value for tooling gel coat used in the past 12 months, kilograms per megagram.
M_{TG} = Mass of tooling gel coat used in the past 12 months, megagrams.

Estimating PV_R, PV_{PG}, PV_{CG}, PV_{TR}, PV_{TG} The weighted-average MACT model point value for each operations is estimated using the following equation;

$$PV_{OP} = \frac{\sum_{i=1}^{n} (M_I)(PV_I)}{\sum_{i=1}^{n} (M_I)} \qquad (Eq.3)$$

Where:
PV_{OP} = weighted-average MACT model point value for each open molding operation (PV_R, PV_{PG}, PV_{CG}, PV_{TR}, and PV_{TG}) included in the average, kilograms of HAP per megagram of material applied.
M_I = mass of resin or gel coat i used within an operation in the past 12 months, megagrams.
n = number of different open molding resins and gel coats used within an operation in the past 12 months.
PV_i = the MACT model point value for resin or gel coat i used within an operation in the past 12 months, kilograms of HAP per megagram of material applied.

Estimating PV_i As specified in 40 CFR 63.5710(d) and 63.5714(a), the owner or operator shall use the equations in Table 3 of Subpart VVVV to calculate the MACT model point value (PVi) for each resin and gel coat used in each operation in the past 12 months.

Table 3 to Subpart VVVV—MACT Model Point Value Formulas for Open Molding Operations

For this operation—	And this application method—	Use this formula to calculate the MACT model plant value for each resin and gel coat—
1. Production resin, tooling resin	a. Atomized	0.014 × (Resin HAP%) 2.425
	b. Atomized, plus vacuum bagging with roll-out	0.01185 × (Resin HAP%) 2.425
	c. Atomized, plus vacuum bagging without roll-out	0.00945 × (Resin HAP%) 2.425
	d. Nonatomized	0.014 × (Resin HAP%) 2.275
	e. Nonatomized, plus vacuum bagging with roll-out	0.0110 × (Resin HAP%) 2.275
	f. Nonatomized, plus vacuum bagging without roll-out	0.0076 × (Resin HAP%) 2.275
2. Pigmented gel coat, clear gel coat, tooling gel coat	All methods	0.445 × (Gel coat HAP%) 1.675

(40 CFR 63.5704(a)(2), 40 CFR 63.5710(b))

Appendix 3

Complying with the Open Molding Operation Standards using the Compliant Materials Option

APP3.1. Compliance periods. The owner or operator shall demonstrate compliance using the organic HAP content requirements option at the end of each month, on a 12-month rolling-average basis. Compliance demonstration begins at the end of the twelfth month after August 23, 2004 (specified compliance date for existing major sources).
[40 CFR 63.5713(a)]

APP3.2. HAP content. The owner or operator shall use the methods specified in Appendix 1 to determine the organic HAP content of resins and gel coats.
[40 CFR 63.5704(b)(1)]

APP3.3. Compliance demonstration for Non–filled resins (production resin or tooling resin).
The owner or operator shall use the following equation (Eq.4) to demonstrate that the weighted-average organic HAP content of resins listed on Table 2 (see below) does not exceed the corresponding specified limits in the same table.

$$\text{Weighted-Average HAP Content (\%)} = \frac{\sum_{i=1}^{n}(M_I)(HAP_I)}{\sum_{i=1}^{n}(M_I)} \qquad (Eq.4)$$

Where
M_i = mass of open molding resin or gel coat i used in the past 12 months in an operation, megagrams.
HAP_i = Organic HAP content, by weight percent, of open molding resin or gel coat i used in the past 12 months in an operation. Use the methods in Attachment 2 to determine organic HAP content.
n = number of different open molding resins or gel coats used in the past 12 months in an operation.

Table 2 to Subpart VVVV
Alternative Organic HAP Content Requirements
for Open Molding Resin and Gel Coat Operations

For this operation	And this applicaton method	The owner or operator shall not exceed this weighted organic HAP content (weight percent) requirement
1. Production resin operations...	Atomized (spray)	28 percent.
2. Production resin operations...	Nonatomized (nonspray)	35 percent.
3. Pigmented gel coat operations.	Any method	33 percent.
4. Clear gel coat operations..	Any method	48 percent
5. Tooling resin operations..	Atomized (spray)	30 percent.
6. Tooling resin operations..	Nonatomized (nonspray)	39 percent.
7. Tooling gel coat operations....	Any method	40 percent.

[40 CFR 63.5704(b)(2), 40 CFR 63.5713]

APP3.4. Compliance demonstration for filled resins (production resin or tooling resin). The owner or operator shall demonstrate compliance for the filled material on an as-applied basis by first calculating the PV_F, using the following equation (Eq. 5):

$$PV_F = (PV_n)\frac{(100 - \%\,Filler)}{100} \qquad (Eq.5)$$

Where:

PV_F = the as-applied MACT model point value for a filled production resin or tooling resin, kilograms organic HAP per megagram of filled material

PV_u = The MACT model point value for the neat (unfilled) resin, before filler is added, as calculated using the formulas in Table 3 below.

% Filler = The weight-percent of filler in the as applied filled resin system.

If the filled resin is used as a production resin and the value of PV_F does not exceed 46 kilograms of organic HAP per megagram of filled resin applied, then the filled resin is in compliance.

If the filled resin is used as a tooling resin and the value of PV_F does not exceed 54 kilograms of organic HAP per megagram of filled resin applied, then the filled resin is in compliance.

Table 3 to Subpart VVVV—MACT Model Point Value Formulas for Open Molding Operations [1]

As specified in §§ 63.5710(d) and 63.5714(a), you must calculate point values using the formulas in the following table:

For this operation—	And this application method—	Use this formula to calculate the MACT model plant value for each resin and gel coat—
1. Production resin, tooling resin	a. Atomized	0.014 × (Resin HAP%) $^{2.425}$
	b. Atomized, plus vacumm bagging with roll-out	0.01185 × (Resin HAP%) $^{2.425}$
	c. Atomized, plus vacuum bagging without roll-out	0.00945 × (Resin HAP%) $^{2.425}$
	d. Nonatomized	0.014 × (Resin HAP%) $^{2.275}$
	e. Nonatomized, plus vaccum bagging with roll-out	0.0110 × (Resin HAP%) $^{2.275}$
	f. Nonatomized, plus vacuum bagging without roll-out.	0.0076 × (Resin HAP%) $^{2.275}$
2. Pigmented gel coat, clear gel coat, tooling gel coat	All methods	0.445 × (Gel coat HAP%) $^{1.675}$

[1]Equations calculate MACT model point value in kilograms of organic HAP per megagrams of resin or gel coat applied. The equations for vacuum bagging with roll-out are applicable when a facility rolls out the applied resin and fabric prior to applying the vacuum bagging materials. The equations for vacuum bagging without roll-out are applicable when a facility applies the vacuum bagging materials immediately after resin application without rolling out the resin and fabric. HAP% = organic HAP content as supplied, expressed as a weight-percent value between 0 and 100 percent.

[40 CFR 5713(b)(2), 40 CFR 63.5714]

Appendix 4

Complying with the Open Molding Operation Standards using the Add-on Control Option

APP4.1. Performance test. The owner or operator shall conduct a performance test upon startup and once every fiscal year for the selected control device as follow:

(a) The owner or operator shall capture the emissions using a permanent enclosure (such as a spray booth or similar containment device) and direct the captured emissions to the add-on control device.

(b) The owner or operator shall measure emissions as specified in paragraph (b)(1) or (2) of this section.

(1) If the enclosure vented to the control device is a permanent total enclosure as defined in Method 204 of appendix M to 40 CFR part 51, then measure emissions only at the outlet of the control device.

(2) If the permanent enclosure vented to the control device is not a total enclosure, then build a temporary total enclosure, as defined in Method 204 of appendix M to 40 CFR part 51, around the permanent enclosure. The owner or operator shall then simultaneously measure emissions from the control device outlet and the emissions from the temporary total enclosure outlet. Compliance is determined from the combined emissions from the control device outlet and the temporary total enclosure outlet.

(c) The owner or operator shall conduct the control device performance test using the emission measurement methods specified in paragraphs (c)(1) through (4)of this section.

(1) Use either Method 1 or 1A of appendix A to 40 CFR part 60, as appropriate, to select the sampling sites.

(2)Use Method 2, 2A, 2C, 2D, 2F or 2G of appendix A to 40 CFR part 60, as appropriate, to measure gas volumetric flow rate.

(3) Use Method 18 of appendix A to 40 CFR part 60 to measure organic HAP emissions or use Method 25A of appendix A to 40 CFR part 60 to measure total gaseous organic emissions as a surrogate for total organic HAP emissions. If Method 25A is used, The owner or operator shall assume that all gaseous organic emissions measured as carbon are organic HAP emissions. If Method 18 is used and the number of organic HAP in the exhaust stream exceeds five, The owner or operator shall take into account the use of multiple chromatographic columns and analytical techniques to get an accurate measure of at least 90 percent of the total organic HAP mass emissions. Method 18 shall not be used to measure organic HAP emissions from a combustion device; Method 25A is used instead and it is assumed that all gaseous organic mass emissions measured as carbon are organic HAP emissions.

(4) The owner or operator may use American Society for Testing and Materials (ASTM)D6420-99 (available for purchase from at least one of the following addresses: 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959; or University Microfilms International, 300 North Zeeb Road, Ann Arbor, MI 48106.) in lieu of Method 18 of 40 CFR part 60, appendix A, under the conditions specified in paragraphs (c)(4)(i) through (iii) of this section.

(i) If the target compound(s) is listed in Section 1.1 of ASTM D6420-99 and the target concentration is between 150 parts per billion by volume and 100 parts per million by volume.

(ii) If the target compound(s) is not listed in Section 1.1 of ASTM D6420-99, but is potentially detected by mass spectrometry, an additional system continuing calibration check after each run, as detailed in Section 10.5.3 of ASTM D6420-99, must be followed, met, documented, and submitted with the performance test report even if a moisture condenser is not used or the compound is not considered soluble.

(iii) If a minimum of one sample/analysis cycle is completed at least every 15 minutes.

(d) The control device performance test must consist of three runs and each run must last at least 1 hour. The production conditions during the test runs must represent normal production conditions with respect to the types of parts being made and material application methods. The production conditions during the test must also represent maximum potential emissions with respect to the organic HAP content of the materials being applied and the material application rates.

(e) During the test, the owner or operator shall also monitor and record separately the amounts of production resin, tooling resin, pigmented gel coat, clear gel coat, and tooling gel coat applied inside the enclosure that is vented to the control device.

[40 CFR 63.5704(c)(1), 40 CFR 63.5719 and 5722, Rule 62-297.310(7)(a)4c, F.A.C]

APP4.2. Initial Compliance. The owner or operator shall demonstrate initial compliance with the open molding emission limit as described in paragraphs (a) through (c) of this section:

(a) Calculate the organic HAP limit that must achieve using equation 1 (Eq.1). For determining initial compliance, the organic HAP limit is based on the amount of material used during the performance test, in megagrams, rather than during the past 12 months. Calculate the limit using the megagrams of resin and gel coat applied inside the enclosure during the three runs of the performance test and equation 1.

(b) Add the total measured emissions, in kilograms, from all three of the 1-hour runs of the performance test.

(c) If the total emissions from the three 1-hour runs of the performance test are less than the organic HAP limit calculated in paragraph (a) of this section, then initial compliance with the emission limit have been demonstrated for those operations performed in the enclosure and controlled by the add-on control device.

[40 CFR 63.5722]

APP4.3. Operating Limits. The owner or operator shall comply with the following operating limits:

(a) If a thermal oxidizer is used as an add-on control device, the owner or operator shall meet the operating limits specified in Table 4 to this subpart that apply to the emission capture system and thermal oxidizer. The owner or operator shall establish the operating limits during the performance test according to the procedures in 40 CFR 63.5725 (see "*Continuous Compliance Demonstration*", below). The owner or operator shall meet the operating limits at all times after establishing them.

(b) If an add-on control device other than a thermal oxidizer is used, or the owner or operator wishes to monitor an alternative parameter and comply with a different operating limit, the owner or operator shall apply to the US EPA for approval of alternative monitoring under 40 CFR 63.8(f).

[40 CFR 63.5704(c)(3), 40 CFR 63.5715]

APP4.3. Continuous Compliance Demonstration. The owner or operator shall comply with the control device and emission capture system monitoring requirements specified in 40 CFR 63.5725 ((see "*Monitoring the control device*", below) to demonstrate continuous compliance.

[40 CFR 63.5704(c)(3), 40 CFR 63.5725]

APP4.5. Monitoring the control device. The owner or operator shall use the performance test results to determine the control device parameters to monitor as follow:

(a) The owner or operator shall establish control device parameters that indicate proper operation of the control device.

(b) The owner or operator shall install, operate, and maintain a continuous parameter monitoring system as specified in paragraphs (b)(1) through (8) of this section.

(1) The continuous parameter monitoring system must complete a minimum of one cycle of operation for each successive 15-minute period. The owner or operator shall have a minimum of four successive cycles of operation to have a valid hour of data.

(2) The owner or operator shall have valid data from at least 90 percent of the hours during which the process operated.

(3) The owner or operator shall determine the average of all recorded readings for each successive 3-hour period of the emission capture system and add-on control device operation.

(4) The owner or operator shall maintain the continuous parameter monitoring system at all times and have available necessary parts for routine repairs of the monitoring equipment.

(5) The owner or operator shall operate the continuous parameter monitoring system and collect emission capture system and add-on control device parameter data at all times that a controlled open molding operation is being performed, except during monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, if applicable, calibration checks and required zero and span adjustments).

(6) The owner or operator shall not use emission capture system or add-on control device parameter data recorded during monitoring malfunctions, associated repairs, out-of-control periods, or required quality assurance or control activities when calculating data averages. The owner or operator shall use all the data collected during all other periods in calculating the data averages for determining compliance with the emission capture system and add-on control device operating limits.

(7) The owner or operator shall record the results of each inspection, calibration, and validation check.

(8) Any period for which the monitoring system is out-of-control, as defined in Sec. 63.7(d)(7), or malfunctioning, and data are not available for required calculations is a deviation from the monitoring requirements. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the continuous parameter monitoring system to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

(c) Enclosure bypass line. The owner or operator shall meet the requirements of paragraphs (c)(1) and (2) of this section for each emission capture system enclosure that contains bypass lines that could divert emissions away from the add-on control device to the atmosphere.

(1) The owner or operator shall monitor or secure the valve or closure mechanism controlling the bypass line in a nondiverting position in such a way that the valve or closure mechanism cannot be opened without creating a record that the valve was opened. The method used to monitor or secure the valve or closure mechanism must meet one of the requirements specified in paragraphs (c)(1)(i) through (iv) of this section.

(i) Flow control position indicator. Install, calibrate, maintain, and operate according to the manufacturer's specifications a flow control position indicator that takes a reading at least once every 15 minutes and provides a record indicating whether the emissions are directed to the add-on control device or diverted from the add-on control device. The time of occurrence and flow control position must be recorded, as well as every time the flow direction is changed. The flow control position indicator must be installed at the entrance to any bypass line that could divert the emissions away from the add-on control device to the atmosphere.

(ii) Car-seal or lock-and-key valve closures. Secure any bypass line valve in the closed position with a car-seal or a lock-and-key type configuration. The owner or operator shall visually inspect the seal or closure mechanism at least once every month to ensure that the valve is maintained in the closed position, and the emissions are not diverted away from the add-on control device to the atmosphere.

(iii) Valve closure continuous monitoring. Ensure that any bypass line valve is in the closed (non-diverting) position through monitoring of valve position at least once every 15 minutes. The owner or operator shall inspect the monitoring system at least once every month to verify that the monitor will indicate valve position.

(iv) Automatic shutdown system. Use an automatic shutdown system in which the open molding operation is stopped when flow is diverted by the bypass line away from the add-on control device to the atmosphere when the open molding operation is running. The owner or operator shall inspect the automatic shutdown system at least once every month to verify that it will detect diversions of flow and shut down the open molding operation.

(2) If any bypass line is opened, the owner or operator shall include a description of why the bypass line was opened and the length of time it remained open in the semiannual compliance reports required in 40 CFR 63.5764(d) (see *"Reporting Requirements"* , above).

(d) Thermal oxidizers. If a thermal oxidizer or incinerator is used as an add-on control device, the owner or operator shall comply with the requirements in paragraphs (d)(1) through (6) of this section.

(1) The owner or operator shall install a combustion temperature monitoring device in the firebox of the thermal oxidizer or incinerator, or in the duct immediately downstream of the firebox before any substantial heat exchange occurs. The owner or operator shall also meet the requirements in paragraphs (b) and (d)(1)(i) through (vii) of this section for each temperature monitoring device.

(i) Locate the temperature sensor in a position that provides a representative temperature.

(ii) Use a temperature sensor with a minimum tolerance of 2.2 deg. C or 0.75 percent of the temperature value, whichever is larger.

(iii) Shield the temperature sensor system from electromagnetic interference and chemical contaminants.

(iv) If a chart recorder is used, it must have a sensitivity in the minor division of at least 10 deg. C.

(v) Perform an electronic calibration at least semiannually according to the procedures in the manufacturer's owners manual. Following the electronic calibration, owner or operator must conduct a temperature sensor validation check in which a second or redundant temperature sensor placed nearby the process temperature sensor must yield a reading within 16.7 deg. C of the process temperature sensor's reading.

(vi) Conduct calibration and validation checks any time the sensor exceeds the manufacturer's specified maximum operating temperature range or install a new temperature sensor.

(vii) At least monthly, inspect all components for integrity and all electrical connections for continuity, oxidation, and galvanic corrosion.

(2) Before or during the performance test, the owner or operator shall conduct a performance evaluation of the combustion temperature monitoring system according to 40 CFR 63.8(e), which specifies the general requirements for continuous monitoring systems and requirements for notifications, the site-specific performance evaluation plan, conduct of the performance evaluation, and reporting of performance evaluation results.

(3) During the performance test, the owner or operator shall monitor and record the combustion temperature and determine the average combustion temperature for the three 1-hour test runs. This average temperature is the minimum operating limit for the thermal oxidizer.

(4) Following the performance test, the owner or operator shall continuously monitor the combustion temperature and record the average combustion temperature no less frequently than every 15 minutes.

(5) The owner or operator shall operate the incinerator or thermal oxidizer so that the average combustion temperature in any 3-hour period does not fall below the average combustion temperature recorded during the performance test.

(6) If the average combustion temperature in any 3-hour period falls below the average combustion temperature recorded during the performance test, or if the owner or operator fails to collect the minimum data specified in paragraph (d)(4) of this section, it is a deviation for the applicable operating limit specified in table 4 to subpart VVVV (see below.).

(e) Other control devices. For a control device other a thermal oxidizer, The owner or operator shall comply with alternative monitoring requirements and operating limits approved by the Administrator under 40 CFR 63.8(f).

(f) Emission capture system. For each enclosure in the emission capture system, The owner or operator shall comply with the requirements in paragraphs (f)(1) through (5) of this section.

(1) The owner or operator must install a device to measure and record either the flow rate or the static pressure in the duct from each enclosure to the add-on control device.

(2) The owner or operator must install a device to measure and record the pressure drop across at least one opening in each enclosure.

(3) Each flow measurement device must meet the requirements in paragraphs (b) and (f)(3)(i) through (iv) of this section.

(i) Locate the flow sensor in a position that provides a representative flow measurement in the duct between each enclosure in the emission capture system and the add-on control device.

(ii) Reduce swirling flow or abnormal velocity distributions due to upstream and downstream disturbances.

(iii) Conduct a flow sensor calibration check at least semiannually.

(iv) At least monthly, inspect all components for integrity, all electrical connections for continuity, and all mechanical connections for leakage.

(4) For each pressure measurement device, The owner or operator shall comply with the requirements in paragraphs (a) and (f)(4)(i) through (vii) of this section.

(i) Locate each pressure drop sensor in or as close to a position that provides a representative measurement of the pressure drop across each enclosure opening being monitored.

(ii) Locate each duct static pressure sensor in a position that provides a representative measurement of the static pressure in the duct between the enclosure and control device.

(iii) Minimize or eliminate pulsating pressure, vibration, and internal and external corrosion.

(iv) Check the pressure tap for plugging daily.

(v) Use an inclined manometer with a measurement sensitivity of 0.0004 millimeters mercury (mmHg) to check gauge calibration quarterly and transducer calibration monthly.

(vi) Conduct calibration checks any time the sensor exceeds the manufacturer's specified maximum operating pressure range or install a new pressure sensor.

(vii) At least monthly, inspect all components for integrity, all electrical connections for continuity, and all mechanical connections for leakage.

(5) For each capture device that is not part of a permanent total enclosure as defined in Method 204 in appendix M to 40 CFR part 51, The owner or operator shall establish an operating limit for either the gas volumetric flow rate or duct static pressure, as specified in paragraphs (f)(5)(i) and (ii) of this section. The owner or operator shall also establish an operating limit for pressure drop across at least one opening in each enclosure according to paragraphs (f)(5)(iii) and (iv) of this section. The operating limits for a permanent total enclosure are specified in Table 4 to this subpart (see below).

(i) During the performance test described in 40 CFR 63.5719 (see *"Performance Test"*, above), the owner or operator shall monitor and record either the gas volumetric flow rate or the duct static pressure for each separate enclosure in the emission capture system at least once every 15 minutes during each of the three test runs at a point in the duct between the enclosure and the add-on control device inlet.

(ii) Following the emission test, calculate and record the average gas volumetric flow rate or duct static pressure for the three test runs for each enclosure. This average gas volumetric flow rate or duct static pressure is the minimum operating limit for that specific enclosure.

(iii) During the performance test described in 40 CFR 63.5719 (see *"Performance Test"*, above), the owner or operator shall monitor and record the pressure drop across the opening of each enclosure in the emission capture system at least once every 15 minutes during each of the three test runs.

(iv) Following the emission test, calculate and record the average pressure drop for the three test runs for each enclosure. This average pressure drop is the minimum operating limit for that specific enclosure.

Table 4 to Subpart VVVV—Operating Limits if Using an Add-on Control Device for Open Molding Operations

As specified in §§ 63.5715(a) and 63.5725(f)(5), you must meet the operating limits in the following table:

For the following device—	You must meet the following operating limit—	And you must demonstrate continuous compliance with the operating limit by—
1. Thermal oxidizer	The average combustion temperature in any 3-hour period must not fall below the combustion temperature limit established according to §63.5725(d).	a. Collecting the combustion temperature data according to §63.5725(d); b. reducing the data to 3-hour block averages; and c. maintaining the 3-hour average combustion temperature at or above the temperature limit.
2. Other control devices	An operating limit approved by the Administrator according to §63.8(f).	a. Collecting parameter monitoring as approved by the Administrator according to §63.8(f); and b. maintaining the parameters within the operating limits approved according to §63.8(f).
3. Emission capture system that is a PTE according to §63.5719(b).	a. The direction of the air flow at all times must be into the enclosure; and b. in any 3-hour period, either the average facial velocity of air through all natural draft openings in the enclosure must be at least 200 feet per minute; or c. the pressure drop across the enclosure must be at least 0.007 inch H_2O, as established in Method 204 of appendix M to 40 CFR part 51.	i. Collecting the direction of air flow, and either the facial velocity of air through all natural draft openings according to §63.5725(f)(3) or the pressure drop across the enclosure according to §63.5725(f)(4); and ii. reducing the data for facial velocity or pressure drop to 3-hour block averages; and iii. maintaining the 3-hour average facial velocity of air flow through all natural draft openings or the pressure drop at or above the facial velocity limit or pressure drop limit, and maintaining the direction of air flow into the enclosure at all times.
4. Emission capture system that is not a PTE according to §63.5719(b).	a. The average gas volumetric flow rate or duct static pressure in each duct between a capture device and add-on control device inlet in any 3-hour period must not fall below the average volumetric flow rate or duct static pressure limit established for that capture device according to §63.5725(f)(5); and b. the average pressure drop across an opening in each enclosure in any 3-hour period must not fall below the average pressure drop limit established for that capture device according to §63.5725(f)(5).	i. Collecting the gas volumetric flow rate or duct static pressure for each capture device according to §63.5725(f)(1) and (3); ii. reducing the data to 3-hour block averages; iii. maintaining the 3-hour average gas volumetric flow rate or duct static pressure for each capture device at or above the gas volumetric flow rate or duct static pressure limit; iv. collecting data for the pressure drop across an opening in each enclosure according to §63.5725(f)(2) and (4); v. reducing the data to 3-hour block averages; and vi. maintaining the 3-hour average pressure drop across the opening for each enclosure at or above the gas volumetric flow rate or duct static pressure limit.

[40 CFR 63.5704(c)(2), 40 CFR 63.5725]

Appendix 5
Reports Submittal
(40 CFR 63. 5764)

(a) The owner or operator shall submit the applicable reports specified in paragraphs (b) through (e) of this section. To the extent possible, the owner or operator shall organize each report according to the operations covered by this subpart and the compliance procedure followed for that operation.

(b) Unless the Administrator has approved a different schedule for submission of reports under 40 CFR 63.10(a), the owner or operator shall submit each report by the dates in paragraphs (b)(1) through (5) of this section.

(1) The first compliance report must cover the period beginning 12 months after the startup date.

(2) The first compliance report must be postmarked or delivered no later than 60 calendar days after the end of the compliance reporting period specified in paragraph (b)(1) of this section.

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

(4) Each subsequent compliance report must be postmarked or delivered no later than 60 calendar days after the end of the semiannual reporting period.

(5) For each affected source that is subject to permitting regulations pursuant to 40 CFR part 70 or 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), the owner or operator may submit the first and subsequent compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (b)(1) through (4) of this section.

(c) The compliance report must include the information specified in paragraphs(c)(1) through (7) of this section.

(1) Company name and address.

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

(3) The date of the report and the beginning and ending dates of the reporting period.

(4) A description of any changes in the manufacturing process since the last compliance report.

(5) A statement or table showing, for each regulated operation, the applicable organic HAP content limit, application equipment requirement, or MACT model point value averaging provision with which the owner or operator is complying. The statement or table must also show the actual weighted-average organic HAP content or weighted-average MACT model point value (if applicable) for each operation during each of the rolling 12-month averaging periods that end during the reporting period.

(6) If the owner or operator was in compliance with the emission limits and work practice standards during the reporting period, the owner or operator must include a statement to that effect.

(7) If the owner or operator deviated from an emission limit or work practice standard during the reporting period, the owner or operator must also include the information listed in paragraphs (c)(7)(i) through (iv) of this section in the semiannual compliance report.

(i) A description of the operation involved in the deviation.

(ii) The quantity, organic HAP content, and application method (if relevant) of the materials involved in the deviation.

(iii) A description of any corrective action taken to minimize the deviation and actions the owner or operator have taken to prevent it from happening again.

(iv) A statement of whether or the facility was in compliance for the 12-month averaging period that ended at the end of the reporting period.

(d) If the facility has an add-on control device, the owner or operator shall submit semiannual compliance reports and quarterly excess emission reports as specified in 40 CFR 63.10(e). The contents of the reports are specified in 40 CFR 63.10(e).

(e) If the facility has an add-on control device, the owner or operator shall complete a startup, shutdown, and malfunction plan as specified in 40 CFR 63.6(e), and must submit the startup, shutdown, and malfunction reports specified in 40 CFR 63.10(e)(5).

Appendix 6

Table 8 (edited) to Subpart VVVV of Part 63—Applicability of General Provisions (40 CFR Part 63, Subpart A) to Subpart VVVV

Citation	Requirement	Explanation
40 CFR 63.2	Definitions	Additional definitions are found in 40 CFR 63.5779.
40 CFR 63.3	Units and Abbreviations	
40 CFR 63.4(a)	Prohibited Activities	
40 CFR 63.4(b)–(c)	Circumvention/Severability	
40 CFR 63.5(a)	Construction/Reconstruction	
40 CFR 63.5(b)	Requirements for Existing, Newly Constructed, and Reconstructed Sources	
40 CFR 63.5(d)	Application for Approval of Construction/Reconstruction	
40 CFR 63.5(e)	Approval of Construction/Reconstruction	
40 CFR 63.5(f)	Approval of Construction/Reconstruction Based on prior State Review	
40 CFR 63.6(a)	Compliance with Standards and Maintenance Requirements—Applicability	
40 CFR 63.6(b)	Compliance Dates for New and Reconstructed Sources	40 CFR 63.695 specifies compliance dates, including the compliance date for new area sources that become major sources after the effective date of the rule.
40 CFR 63.6(c)	Compliance Dates for Existing Sources	40 CFR 63.5695 specifies compliance dates, including the compliance date for existing area sources that become major sources after the effective date of the rule.
40 CFR 63.6(e)(3)	Startup, Shut Down, and Malfunction Plans	Only sources with add-on controls must complete startup, shutdown, and malfunction plans.
40 CFR 63.6(f)	Compliance with Nonopacity Emission Standards	
40 CFR 63.6(g)	Use of an Alternative Nonopacity Emission Standard	
40 CFR 63.6(i)	Extension of Compliance with Emission Standards	
40 CFR 63.6(j)	Exemption from Compliance with Emission Standards	
40 CFR 63.7(a)(1)	Performance Test Requirements	
40 CFR 63.7(a)(3)	Performance testing at other times	
40 CFR 63.7(b)–(h)	Other performance testing requirements	
40 CFR 63.8(a)(1)–	Monitoring Requirements—Applicability	All of 40 CFR 63.8 applies only to sources with add-on

(2)		controls. Additional monitoring requirements for sources with add-on controls are found in 40 CFR 63.5725.
40 CFR 63.8(b)(1)	Conduct of Monitoring	
40 CFR 63.8(b)(2)–(3)	Multiple Effluents and Multiple Continuous Monitoring Systems (CMS)	Applies to sources that use a CMS on the control device stack.
40 CFR 63.8(c)(1)–(4)	Continuous Monitoring System Operation and Maintenance	
40 CFR 63.8(c)(6)–(8)	Continuous Monitoring System Calibration Checks and Out-of-Control Periods	
40 CFR 63.8(d)	Quality Control Program	
40 CFR 63.8(e)	CMS Performance Evaluation	
40 CFR 63.8(f)(1)–(5)	Use of an Alternative Monitoring Method	
40 CFR 63.8(f)(6)	Alternative to Relative Accuracy Test	Applies only to sources that use continuous emission monitoring systems (CEMS).
40 CFR 63.8(g)	Data Reduction	
40 CFR 63.9(a)	Notification Requirements—Applicability	
40 CFR 63.9(b)	Initial Notifications	
40 CFR 63.9(c)	Request for Compliance Extension	
40 CFR 63.9(d)	Notification That a New Source Is Subject to Special Compliance Requirements	
40 CFR 63.9(e)	Notification of Performance Test	Applies only to sources with add-on controls.
40 CFR 63.9(g)(1)	Additional CMS Notifications—Date of CMS Performance Evaluation	Applies only to sources with add-on controls.
40 CFR 63.9(g)(3)	Alternative to Relative Accuracy Testing	Applies only to sources with CEMS.
40 CFR 63.9(h)	Notification of Compliance Status	
40 CFR 63.9(i)	Adjustment of Deadlines	
40 CFR 63.9(j)	Change in Previous Information	
40 CFR 63.10(a)	Recordkeeping/Reporting—Applicability	
40 CFR 63.10(b)(1)	General Recordkeeping Requirements	40 CFR 40 CFR 63.567 and 63.5770 specify additional recordkeeping requirements.
40 CFR 63.10(b)(2)(i)–(xi)	Recordkeeping Relevant to Startup, Shutdown, and Malfunction Periods and CMS	Applies only to sources with add-on controls.
40 CFR 63.10(b)(2)(xii)–(xiv)	General Recordkeeping Requirements	
40 CFR 63.10(b)(3)	Recordkeeping Requirements for	40 CFR 63.5686 specifies applicability determinations

	Applicability Determinations	for non-major sources.
40 CFR 63.10(c)	Additional Recordkeeping for Sources with CMS	Applies only to sources with add-on controls.
40 CFR 63.10(d)(1)	General Reporting Requirements	40 CFR 63.5764 specifies additional reporting requirements.
40 CFR 63.10(d)(2)	Performance Test Results	40 CFR 63.5764 specifies additional requirements for reporting performance test results.
40 CFR 63.10(d)(5)	Startup, Shutdown, and Malfunction Reports	Applies only to sources with add-on controls.
40 CFR 63.10(e)(1)	Additional CMS Reports—General	Applies only to sources with add-on controls.
40 CFR 63.10(e)(2)	Reporting Results of CMS Performance Evaluations	Applies only to sources with add-on controls.
40 CFR 63.10(e)(3)	Excess Emissions/CMS Performance Reports	Applies only to sources with add-on controls.

Executed in Broward County, Florida

for

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Director
Broward County Pollution Prevention, Remediation and Air Quality Division