Subpart VVVV—National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing	
Section	**Applies Y/N**
§ 63.5680 What is the purpose of this subpart?	**Y**
§ 63.5683 Does this subpart apply to me?	**Y**
§ 63.5686 How do I demonstrate that my facility is not a major source?	**N**
§ 63.5689 What parts of my facility are covered by this subpart? **The affected source (the portion of your boat manufacturing facility covered by this subpart) is the combination of all of the boat manufacturing operations listed in paragraphs (a) through (f) of this section.**	
(a) Open molding resin and gel coat operations (including pigmented gel coat, clear gel coat, production resin, tooling gel coat, and tooling resin).	**Y**
(b) Closed molding resin operations.	**N**
(c) Resin and gel coat mixing operations.	**Y**
(d) Resin and gel coat application equipment cleaning operations.	**Y**
(e) Carpet and fabric adhesive operations.	**N**
(f) Aluminum hull and deck coating operations, including solvent wipedown operations and paint spray gun cleaning operations, on aluminum recreational boats.	**N**
§ 63.5692 How do I know if my boat manufacturing facility is a new source or an existing source?	
(a) A boat manufacturing facility is a new source if it meets the criteria in paragraphs (a)(1) through (3) of this section.	**N**
(1) You commence construction of the affected source after July 14, 2000.	**N**
(2) It is a major source.	**N**
(3) It is a completely new boat manufacturing affected source where no other boat manufacturing affected source existed prior to the construction of the new source.	**N**
(b) For the purposes of this subpart, an existing source is any source that is not a new source.	**Y**
§ 63.5695 When must I comply with this subpart?	**Y**
Standards for Open Molding Resin and Gel Coat Operations	**Y**
§ 63.5698 What emission limit must I meet for open molding resin and gel coat operations?	**Y**
(a) You must limit organic HAP emissions from the five open molding operations listed in paragraphs (a)(1) through (5) of this section to the emission limit specified in paragraph (b) of this section. Operations listed in paragraph (d) are exempt from this limit.	**Y**
(1) Production resin.	**Y**
(2) Pigmented gel coat.	**Y**
(3) Clear gel coat.	**Y**
(4) Tooling resin.	**Y**
(5) Tooling gel coat.	**Y**
(b) You must limit organic HAP emissions from open molding operations to the limit specified by equation 1 of this section, based on a 12-month rolling average. $HAP\ Limit = \left[46(M_R) + 159(M_{PG}) + 291(M_{CG}) + 54(M_{TR}) + 214(M_{TG})\right] \quad (Eq.\ 1)$	**Y**
(c) The open molding emission limit is the same for both new and existing sources.	**Y**
(d) The materials specified in paragraphs (d)(1) through (3) of this section are exempt	**Y**

from the open molding emission limit specified in paragraph (b) of this section.	
(1) Production resins (including skin coat resins) 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. Production resins for which this exemption is used must be applied with nonatomizing (non-spray) resin application equipment. You must keep a record of the resins for which you are using this exemption.	**Y**
(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 your facility on a 12-month rolling-average basis. You must keep a record of the amount of gel coats used per month for which you are using this exemption and copies of calculations showing that the exempt amount does not exceed 1 percent of all gel coat used.	**Y**
(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. You must keep a record of the amount of 100 percent vinylester skin coat resin used per month that is eligible for this exemption and copies of calculations showing that the exempt amount does not exceed 5 percent of all resin used.	**Y**
§ 63.5701 What are my options for complying with the open molding emission limit? You must use one or more of the options listed in paragraphs (a) through (c) of this section to meet the emission limit in §63.5698 for the resins and gel coats used in open molding operations at your facility.	**Y**
(a) *Maximum achievable control technology (MACT) model point value averaging (emissions averaging) option.* (1) Demonstrate that emissions from the open molding resin and gel coat operations that you average meet the emission limit in §63.5698 using the procedures described in §63.5710. Compliance with this option is based on a 12-month rolling average.	**Y**
(2) Those operations and materials not included in the emissions average must comply with either paragraph (b) or (c) of this section.	**Y**
(b) *Compliant materials option.* Demonstrate compliance by using resins and gel coats that meet the organic HAP content requirements in Table 2 to this subpart. Compliance with this option is based on a 12-month rolling average.	**Y**
(c) *Add-on control option.* Use an enclosure and add-on control device, and demonstrate that the resulting emissions meet the emission limit in §63.5698. Compliance with this option is based on control device performance testing and control device monitoring.	**N**
§ 63.5704 What are the general requirements for complying with the open molding emission limit?	**Y**
(a) *Emissions averaging option.* For those open molding operations and materials complying using the emissions averaging option, you must demonstrate compliance by performing the steps in paragraphs (a)(1) through (5) of this section.	**Y**
(1) Use the methods specified in §63.5758 to determine the organic HAP content of resins and gel coats.	**Y**
(2) Complete the calculations described in §63.5710 to show that the organic HAP emissions do not exceed the limit specified in §63.5698.	**Y**
(3) Keep records as specified in paragraphs (a)(3)(i) through (iv) of this section for each resin and gel coat.	**Y**
(i) Hazardous air pollutant content.	**Y**

(ii) Amount of material used per month.	**Y**
(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 nonatomized technology.	**Y**
(iv) Calculations performed to demonstrate compliance based on MACT model point values, as described in §63.5710.	**Y**
(4) Prepare and submit the implementation plan described in §63.5707 to the Administrator and keep it up to date.	**Y**
(5) Submit semiannual compliance reports to the Administrator as specified in §63.5764.	**Y**
(b) *Compliant materials option.* For each open molding operation complying using the compliant materials option, you must demonstrate compliance by performing the steps in paragraphs (b)(1) through (4) of this section.	**Y**
(1) Use the methods specified in §63.5758 to determine the organic HAP content of resins and gel coats.	**Y**
(2) Complete the calculations described in §63.5713 to show that the weighted-average organic HAP content does not exceed the limit specified in Table 2 to this subpart.	**Y**
(3) Keep records as specified in paragraphs (b)(3)(i) through (iv) of this section for each resin and gel coat.	**Y**
(i) Hazardous air pollutant content.	**Y**
(ii) Application method for production resin and tooling resin. This record is not required if all production resins and tooling resins are applied with nonatomized technology.	**Y**
(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.	**Y**
(iv) Calculations performed, if required, to demonstrate compliance based on weighted-average organic HAP content as described in §63.5713.	**Y**
(4) Submit semiannual compliance reports to the Administrator as specified in §63.5764.	**Y**
(c) *Add-on control option.* If you are using an add-on control device, you must demonstrate compliance by performing the steps in paragraphs (c)(1) through (5) of this section.	**N**
(1) Conduct a performance test of the control device as specified in §§63.5719 and 63.5722 to demonstrate initial compliance.	**N**
(2) Use the performance test results to determine control device parameters to monitor after the performance test as specified in §63.5725.	**N**
(3) Comply with the operating limits specified in §63.5715 and the control device and emission capture system monitoring requirements specified in §63.5725 to demonstrate continuous compliance.	**N**
(4) Keep the records specified in §63.5767.	**N**
(5) Submit to the Administrator the notifications and reports specified in §§63.5761 and 63.5764.	**N**
§ 63.5707 What is an implementation plan for open molding operations and when do I need to prepare one?	**Y**
(a) You must prepare an implementation plan for all open molding operations for which you comply by using the emissions averaging option described in §63.5704(a).	**Y**
(b) The implementation plan must describe the steps you will take to bring the open molding operations covered by this subpart into compliance. For each operation included in the emissions average, your implementation plan must include the	**Y**

elements listed in paragraphs (b)(1) through (3) of this section.	
(1) A description of each operation included in the average.	**Y**
(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.	**N**
(3) Calculations showing that the operations covered by the plan will comply with the open molding emission limit specified in §63.5698.	**Y**
(c) You must submit the implementation plan to the Administrator with the notification of compliance status specified in §63.5761.	**Y**
(d) You must keep the implementation plan on site and provide it to the Administrator when asked.	**Y**
(e) If you revise the implementation plan, you must submit the revised plan with your next semiannual compliance report specified in §63.5764.	**Y**
§ 63.5710 How do I demonstrate compliance using emissions averaging?	**Y**
(a) Compliance using the emissions averaging option is demonstrated on a 12-month rolling-average basis and is determined at the end of every month (12 times per year). The first 12-month rolling-average period begins on the compliance date specified in §63.5695.	**Y**
(b) At the end of the twelfth month after your compliance date and at the end of every subsequent month, use equation 1 of this section to demonstrate that the organic HAP emissions from those operations included in the average do not exceed the emission limit in §63.5698 calculated for the same 12-month period. (Include terms in equation 1 of §63.5698 and equation 1 of this section for only those operations and materials included in the average.)	**Y**
(c) At the end of every month, use equation 2 of this section to compute the weighted-average MACT model point value for each open molding resin and gel coat operation included in the average.	**Y**
§ 63.5713 How do I demonstrate compliance using compliant materials?	**Y**
§ 63.5714 How do I demonstrate compliance if I use filled resins?	**N**
§ 63.5715 Demonstrating Compliance for Open Molding Operations Controlled by Add-On Control Devices	**N**
§ 63.5716 When must I conduct a performance test?	**N**
§ 63.5719 How do I conduct a performance test?	**N**
§ 63.5722 How do I use the performance test data to demonstrate initial compliance?	**N**
§ 63.5725 What are the requirements for monitoring and demonstrating continuous compliance?	**N**
Standards for Closed Molding Resin Operations	**N**
§ 63.5728 What standards must I meet for closed molding resin operations?	
Standards for Resin and Gel Coat Mixing Operations	**Y**
§ 63.5731 What standards must I meet for resin and gel coat mixing operations?	
(a) 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.	**Y**
(b) 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.	**Y**
(c) To demonstrate compliance with the work practice standard in paragraph (a) of this section, you must 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	**Y**

equipment passing through the cover.	
(d) You must 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.	**Y**
Standards for Resin and Gel Coat Application Equipment Cleaning Operations	**Y**
§ 63.5734 What standards must I meet for resin and gel coat application equipment cleaning operations?	
(a) For routine flushing of resin and gel coat application equipment (e.g., spray guns, flowcoaters, brushes, rollers, and squeegees), you must 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.	**Y**
(b) You must 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.	**Y**
§ 63.5737 How do I demonstrate compliance with the resin and gel coat application equipment cleaning standards?	**Y**
(a) Determine and record the organic HAP content of the cleaning solvents subject to the standards specified in §63.5734 using the methods specified in §63.5758.	**Y**
(b) If you recycle cleaning solvents on site, you may 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 §63.5758 for demonstrating compliance with organic HAP content limits.	**Y**
(c) At least once per month, you must 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.	**Y**
Standards for Carpet and Fabric Adhesive Operations	**N**
§ 63.5740 What emission limit must I meet for carpet and fabric adhesive operations?	
Standards for Aluminum Recreational Boat Surface Coating Operations	**N**
§ 63.5743 What standards must I meet for aluminum recreational boat surface coating operations?	
§ 63.5746 How do I demonstrate compliance with the emission limits for aluminum wipedown solvents and aluminum coatings?	**N**
§ 63.5749 How do I calculate the organic HAP content of aluminum wipedown solvents?	**N**
§ 63.5752 How do I calculate the organic HAP content of aluminum recreational boat surface coatings?	**N**
§ 63.5753 How do I calculate the combined organic HAP content of aluminum wipedown solvents and aluminum recreational boat surface coatings?	**N**
§ 63.5755 How do I demonstrate compliance with the aluminum recreational boat surface coating spray gun cleaning work practice standards?	**N**
§ 63.5758 Methods for Determining Hazardous Air Pollutant Content How do I determine the organic HAP content of materials?	**Y**

(a) *Determine the organic HAP content for each material used.* To determine the organic HAP content for each material used in your open molding resin and gel coat operations, carpet and fabric adhesive operations, or aluminum recreational boat surface coating operations, you must use one of the options in paragraphs (a)(1) through (6) of this section.	**Y**
(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 determining organic HAP content by Method 311.	**N**
(i) Include in the organic HAP total 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 need to include it in the organic HAP total. Express the mass fraction of each organic HAP you measure as a value truncated to four places after the decimal point (for example, 0.1234).	**N**
(ii) Calculate the total organic HAP content in the test material by adding up the individual organic HAP contents and truncating the result to three places after the decimal point (for example, 0.123).	**N**
(2) *Method 24 (appendix A to 40 CFR part 60).* You may use Method 24 to determine the mass fraction of non-aqueous volatile matter of aluminum coatings and use that value as a substitute for mass fraction of organic HAP.	**N**
(3) *ASTM D1259–85 (Standard Test Method for Nonvolatile Content of Resins).* You may use ASTM D1259–85 (available for purchase from ASTM) to measure the mass fraction of volatile matter of resins and gel coats for open molding operations and use that value as a substitute for mass fraction of organic HAP.	**N**
(4) *Alternative method.* You may use an alternative test method for determining mass fraction of organic HAP if you obtain prior approval by the Administrator. You must follow the procedure in §63.7(f) to submit an alternative test method for approval.	**N**
(5) *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 (4) of this section, such as manufacturer's formulation data, according to paragraphs (a)(5)(i) through (iii) of this section.	**Y**
(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, you do not have to include it in the organic HAP total.	**Y**
(ii) If the organic HAP content is provided by the material supplier or manufacturer as a range, then you must 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 you must use the measured organic HAP content to determine compliance.	**Y**
(iii) If the organic HAP content is provided as a single value, you may 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	**Y**

provided value by 2 percentage points or more, then you must use the measured organic HAP content to determine compliance.	
(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, you may use the values for organic HAP content that are listed in Table 5 or 6 to this subpart. You may use Table 6 to this subpart only if the solvent blends in the materials you use do not match any of the solvent blends in Table 5 to this subpart and you know only whether the blend is either aliphatic or aromatic. However, if test results indicate higher values than those listed in Table 5 or 6 to this subpart, then the test results must be used for determining compliance.	**Y**
(b) *Determine the volume fraction solids in aluminum recreational boat surface coatings.* To determine the volume fraction of coating solids (liters of coating solids per liter of coating) for each aluminum recreational boat surface coating, you must use one of the methods specified in paragraphs (b)(1) through (3) of this section. If the results obtained with paragraphs (b)(2) or (3) of this section do not to agree with those obtained according to paragraph (b)(1) of this section, you must use the results obtained with paragraph (b)(1) of this section to determine compliance.	**N**
(c) *Determine the density of each aluminum recreational boat wipedown solvent and surface coating.* Determine the density of all aluminum recreational boat wipedown solvents, surface coatings, thinners, and other additives from test results using ASTM Method D1475–90, 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 D1475–90 test results and other information sources, you must use the test results to demonstrate compliance.	**N**
Notifications, Reports, and Records	**Y**
§ 63.5761 What notifications must I submit and when?	**Y**
(a) You must submit all of the notifications in Table 7 to this subpart that apply to you by the dates in the table. The notifications are described more fully in 40 CFR part 63, subpart A, General Provisions, referenced in Table 8 to this subpart.	**Y**
(b) If you change any information submitted in any notification, you must submit the changes in writing to the Administrator within 15 calendar days after the change.	**Y**
§ 63.5764 What reports must I submit and when?	**Y**
(a) You must submit the applicable reports specified in paragraphs (b) through (e) of this section. To the extent possible, you must organize each report according to the operations covered by this subpart and the compliance procedure followed for that operation.	**Y**
(b) Unless the Administrator has approved a different schedule for submission of reports under §63.10(a), you must submit each report by the dates in paragraphs (b)(1) through (5) of this section.	**Y**
(1) If your source is not controlled by an add-on control device (i.e., you are complying with organic HAP content limits, application equipment requirements, or MACT model point value averaging provisions), the first compliance report must cover the period beginning 12 months after the compliance date specified for your source in §63.5695 and ending on June 30 or December 31, whichever date is the first date following the end of the first 12-month period after the compliance date that is specified for your source in §63.5695. If your source is controlled by an add-on control device, the first compliance report must cover the period beginning on the compliance date specified for your source in §63.5695 and ending on June 30 or December 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for your source in §63.5695.	**Y**

(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.	**Y**
(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.	**Y**
(4) Each subsequent compliance report must be postmarked or delivered no later than 60 calendar days after the end of the semiannual reporting period.	**Y**
(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), you 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.	**Y**
(c) The compliance report must include the information specified in paragraphs (c)(1) through (7) of this section.	**Y**
(1) Company name and address.	**Y**
(2) A statement by a responsible official with that official's name, title, and signature, certifying the truth, accuracy, and completeness of the report.	**Y**
(3) The date of the report and the beginning and ending dates of the reporting period.	**Y**
(4) A description of any changes in the manufacturing process since the last compliance report.	**Y**
(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 you are 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.	**Y**
(6) If you were in compliance with the emission limits and work practice standards during the reporting period, you must include a statement to that effect.	**Y**
(7) If you deviated from an emission limit or work practice standard during the reporting period, you must also include the information listed in paragraphs (c)(7)(i) through (iv) of this section in the semiannual compliance report.	**Y**
(i) A description of the operation involved in the deviation.	**Y**
(ii) The quantity, organic HAP content, and application method (if relevant) of the materials involved in the deviation.	**Y**
(iii) A description of any corrective action you took to minimize the deviation and actions you have taken to prevent it from happening again.	**Y**
(iv) A statement of whether or not your facility was in compliance for the 12-month averaging period that ended at the end of the reporting period.	**Y**
(d) If your facility has an add-on control device, you must submit semiannual compliance reports and quarterly excess emission reports as specified in §63.10(e). The contents of the reports are specified in §63.10(e).	**N**
(e) If your facility has an add-on control device, you must complete a startup, shutdown, and malfunction plan as specified in §63.6(e), and you must submit the startup, shutdown, and malfunction reports specified in §63.10(e)(5).	**N**
§ 63.5767 What records must I keep?	**Y**
You must keep the records specified in paragraphs (a) through (d) of this section in addition to records specified in individual sections of this subpart.	**Y**
(a) You must keep a copy of each notification and report that you submitted to	**Y**

comply with this subpart.	
(b) You must keep all documentation supporting any notification or report that you submitted.	**Y**
(c) If your facility is not controlled by an add-on control device (i.e., you are complying with organic HAP content limits, application equipment requirements, or MACT model point value averaging provisions), you must keep the records specified in paragraphs (c)(1) through (3) of this section.	**Y**
(d) If your facility has an add-on control device, you must keep the records specified in §63.10(b) relative to control device startup, shut down, and malfunction events; control device performance tests; and continuous monitoring system performance evaluations.	**N**
§ 63.5770 In what form and for how long must I keep my records?	**Y**
(a) Your records must be readily available and in a form so they can be easily inspected and reviewed.	**Y**
(b) You must keep each record for 5 years following the date that each record is generated.	**Y**
(c) You must keep each record on site for at least 2 years after the date that each record is generated. You can keep the records offsite for the remaining 3 years.	**Y**
(d) You can keep the records on paper or an alternative media, such as microfilm, computer, computer disks, magnetic tapes, or on microfiche.	**Y**
Other Information You Need To Know	
§ 63.5773 What parts of the General Provisions apply to me?	**Y**
You must comply with the requirements of the General Provisions in 40 CFR part 63, subpart A, as specified in Table 8 to this subpart.	**Y**
§ 63.5776 Who implements and enforces this subpart?	**Y**
(a) If the Administrator has delegated authority to your State or local agency, the State or local agency has the authority to implement and enforce this subpart.	**Y**
(b) In delegating implementation and enforcement authority of this subpart to a State or local agency under 40 CFR part 63, subpart E, the authorities that are retained by the Administrator of the U.S. EPA and are not transferred to the State or local agency are listed in paragraphs (b)(1) through (4) of this section.	**Y**
(1) Under §63.6(g), the authority to approve alternatives to the standards listed in paragraphs (b)(1)(i) through (vii) of this section is not delegated.	**Y**
(i) §63.5698—Emission limit for open molding resin and gel coat operations.	**Y**
(ii) §63.5728—Standards for closed molding resin operations.	**N**
(iii) §63.5731(a)—Standards for resin and gel coat mixing operations.	**Y**
(iv) §63.5734—Standards for resin and gel coat application equipment cleaning operations.	**Y**
(v) §63.5740(a)—Emission limit for carpet and fabric adhesive operations.	**N**
(vi) §63.5743—Standards for aluminum recreational boat surface coating operations.	**N**
(vii) §63.5746(g)—Approval of alternative means of demonstrating compliance with the emission limits for aluminum recreational boat surface coating operations.	**N**
(2) Under §63.7(e)(2)(ii) and (f), the authority to approve alternatives to the test methods listed in paragraphs (b)(2)(i) through (iv) of this section is not delegated.	**N**
(i) §63.5719(b)—Method for determining whether an enclosure is a total enclosure.	**N**
(ii) §63.5719(c)—Methods for measuring emissions from a control device.	**N**
(iii) §63.5725(d)(1)—Performance specifications for thermal oxidizer combustion temperature monitors.	**N**
(iv) §63.5758—Method for determining hazardous air pollutant content of regulated materials.	**Y**
(3) Under §63.8(f), the authority to approve major alternatives to the monitoring	**N**

requirements listed in §63.5725 is not delegated. A "major alternative" is defined in §63.90.	
(4) Under §63.10(f), the authority to approve major alternatives to the reporting and recordkeeping requirements listed in §§63.5764, 63.5767, and 63.5770 is not delegated. A "major alternative" is defined in §63.90.	**N**

Table 1 to Subpart VVVV of Part 63—Compliance Dates for New and Existing Boat Manufacturing Facilities

As specified in §63.5695, you must comply by the dates in the following table:

If your facility is—	And—	Then you must comply by this date—	
1. An existing source	Is a major source on or before August 22, 2001[1]	August 23, 2004.	**Y**
2. An existng or new area source	Becomes a major source after August 22, 2001[1]	1 year after becoming a major source or August 22, 2002, whichever is later.	**N**
3. A new source	Is a major source at startup[1]	Upon startup or August 22, 2001, whichever is later.	**N**

[1]Your facility is a major source if it is a stationary source or group of stationary sources located within a contiguous area and under common control that emits or can potentially emit, considering controls, in the aggregate, 9.1 megagrams or more per year of a single hazardous air pollutant or 22.7 megagrams or more per year of a combination of hazardous air pollutants.

Table 2 to Subpart VVVV of Part 63—Alternative Organic HAP Content Requirements for Open Molding Resin and Gel Coat Operations

As specified in §§63.5701(b), 63.5704(b)(2), and 63.5713(a), (b), and (d), you must comply with the requirements in the following table:

For this operation—	And this application method—	You must not exceed this weighted-average organic HAP content (weight percent) requirement—	Applies Y/N
1. Production resin operations	Atomized (spray)	28 percent.	**N**
2. Production resin operations	Nonatomized (nonspray)	35 percent.	**Y**
3. Pigmented gel coat operations	Any method	33 percent.	**Y**
4. Clear gel coat operations	Any method	48 percent	**Y**

5. Tooling resin operations	Atomized (spray)	30 percent.	**N**
6. Tooling resin operations	Nonatomized (nonspray)	39 percent.	**Y**
7. Tooling gel coat operations	Any method	40 percent.	**Y**

Table 3 to Subpart VVVV of Part 63—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—**	Applies Y/N
1. Production resin, tooling resin	a. Atomized	$0.014 \times (\text{Resin HAP\%})^{2.425}$	**Y**
	b. Atomized, plus vacuum bagging with roll-out	$0.01185 \times (\text{Resin HAP\%})^{2.425}$	**N**
	c. Atomized, plus vacuum bagging without roll-out	$0.00945 \times (\text{Resin HAP\%})^{2.425}$	**N**
	d. Nonatomized	$0.014 \times (\text{Resin HAP\%})^{2.275}$	**Y**
	e. Nonatomized, plus vacuum bagging with roll-out	$0.0110 \times (\text{Resin HAP\%})^{2.275}$	**N**
	f. Nonatomized, plus vacuum bagging without roll-out	$0.0076 \times (\text{Resin HAP\%})^{2.275}$	**N**
2. Pigmented gel coat, clear gel coat, tooling gel coat	All methods	$0.445 \times (\text{Gel coat HAP\%})^{1.675}$	**Y**

[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.

[66 FR 44232, Aug. 22, 2001; 66 FR 50504, Oct. 3, 2001]

Table 4 to Subpart VVVV of Part 63—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—	Applies Y/N
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.	**N**
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).	**N**
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.	**N**
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	**N**

		enclosure at or above the gas volumetric flow rate or duct static pressure limit.	

Table 5 to Subpart VVVV of Part 63—Default Organic HAP Contents of Solvents and Solvent Blends

As specified in §63.5758(a)(6), when detailed organic HAP content data for solvent blends are not available, you 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**	Applies Y/N
1. Toluene	108–88–3	100	Toluene.	**Y**
2. Xylene(s)	1330–20–7	100	Xylenes, ethylbenzene.	**Y**
3. Hexane	110–54–3	50	n-hexane.	**Y**
4. n-hexane	110–54–3	100	n-hexane.	**Y**
5. Ethylbenzene	100–41–4	100	Ethylbenzene.	**Y**
6. Aliphatic 140		0	None.	**Y**
7. Aromatic 100		2	1% xylene, 1% cumene.	**Y**
8. Aromatic 150		9	Naphthalene.	**Y**
9. Aromatic naptha	64742–95–6	2	1% xylene, 1% cumene.	**Y**
10. Aromatic solvent	64742–94–5	10	Naphthalene.	**Y**
11. Exempt mineral spirits	8032–32–4	0	None.	**Y**
12. Ligroines (VM & P)	8032–32–4	0	None.	**Y**
13. Lactol spirits	64742–89–6	15	Toluene.	**Y**
14. Low aromatic white spirit	64742–82–1	0	None.	**Y**
15. Mineral spirits	64742–88–7	1	Xylenes.	**Y**
16. Hydrotreated naphtha	64742–48–9	0	None.	**Y**
17. Hydrotreated light distillate	64742–47–8	0.1	Toluene.	**Y**
18. Stoddard solvent	8052–41–3	1	Xylenes.	**Y**
19. Super high-flash naphtha	64742–95–6	5	Xylenes.	**Y**
20. Varol®solvent	8052–49–3	1	0.5% xylenes, 0.5% ethyl benzene.	**Y**
21. VM & P naphtha	64742–89–8	6	3% toluene, 3% xylene.	**Y**

22. Petroleum distillate mixture	68477–31–6	8	4% naphthalene, 4% biphenyl.	**Y**

Table 6 to Subpart VVVV of Part 63—Default Organic HAP Contents of Petroleum Solvent Groups

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

Solvent type	**Average organic HAP content, percent by mass**	**Typical organic HAP, percent by mass**	Applies Y/N
Aliphatic (Mineral Spirits 135, Mineral Spirits 150 EC, Naphtha, Mixed Hydrocarbon, Aliphatic Hydrocarbon, Aliphatic Naptha, Naphthol Spirits, Petroleum Spirits, Petroleum Oil, Petroleum Naphtha, Solvent Naphtha, Solvent Blend.)	3	1% Xylene, 1% Toluene, and 1% Ethylbenzene.	**Y**
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.	**Y**

Table 7 to Subpart VVVV of Part 63—Applicability and Timing of Notifications

As specified in §63.5761(a), you must submit notifications according to the following table:

If your facility—	**You must submit—**	**By this date—**	Applies Y/N
1. Is an existing source subject to this subpart	An initial notification containing the information specified in §63.9(b)(2)	No later than the dates specified in §63.9(b)(2).	**Y**
2. Is a new source subject to this subpart	The notifications specified in §63.9(b) (3) to (5)	No later than the dates specified §63.9(b)(4) and (5).	**N**
3. Qualifies for a compliance extension as specified in §63.9(c)	A request for a compliance extension as specified in §63.9(c)	No later than the dates specified in §63.6(i).	**N**
4. Is complying with organic HAP content limits, application equipment requirements; or MACT model point value averaging provisions	A notification of compliance status as specified in §63.9(h)	No later than 30 calendar days after the end of the first 12-month averaging period after your facility's compliance date.	**Y**
5. Is complying by using an add-on control device	a. notification of intent to conduct a performance test as specified in §63.9(e)	No later than the date specified in §63.9(e).	**N**
	b. A notification of the date for the continuous monitoring	With the notification of intent to conduct a performance test.	**N**

	system performance evaluation as specified in §63.9(g)		
	c. A notification of compliance status as specified in §63.9(h)	No later than 60 calendar days after the completion of the add-on control device performance test and continuous monitoring system performance evaluation.	**N**

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

As specified in §63.5773, you must comply with the applicable requirements of the General Provisions according to the following table:

Citation	Requirement	Applies to subpart VVVV	Explanation	Applies Y/N
§63.1(a)	General Applicability	Yes.		**Y**
§63.1(b)	Initial Applicability Determination	Yes.		**Y**
§63.1(c)(1)	Applicability After Standard Established	Yes.		**Y**
§63.1(c)(2)		Yes	Area sources are not regulated by subpart VVVV.	**Y**
§63.1(c)(3)		No	[Reserved]	**N**
§63.1(c)(4)–(5)		Yes.		**Y**
§63.1(d)		No	[Reserved]	**N**
§63.1(e)	Applicability of Permit Program	Yes.		**Y**
§63.2	Definitions	Yes	Additional definitions are found in §63.5779.	**Y**
§63.3	Units and Abbreviations	Yes.		**Y**
§63.4(a)	Prohibited Activities	Yes.		**Y**
§63.4(b)–(c)	Circumvention/Severability	Yes.		**Y**
§63.5(a)	Construction/Reconstruction	Yes.		**Y**
§63.5(b)	Requirements for Existing, Newly Constructed, and Reconstructed Sources	Yes.		**Y**
§63.5(c)		No	[Reserved]	**N**

§63.5(d)	Application for Approval of Construction/Reconstruction	Yes.		**Y**
§63.5(e)	Approval of Construction/Reconstruction	Yes.		**N**
§63.5(f)	Approval of Construction/Reconstruction Based on prior State Review	Yes.		**N**
§63.6(a)	Compliance with Standards and Maintenance Requirements—Applicability	Yes.		**Y**
§63.6(b)	Compliance Dates for New and Reconstructed Sources	Yes	§63.695 specifies compliance dates, including the compliance date for new area sources that become major sources after the effective date of the rule.	**N**
§63.6(c)	Compliance Dates for Existing Sources	Yes	§63.5695 specifies compliance dates, including the compliance date for existing area sources that become major sources after the effective date of the rule.	**Y**
§63.6(d)		No	[Reserved]	**N**
§63.6(e)(1)–(2)	Operation and Maintenance Requirements	No	Operating requirements for open molding operations with add-on controls are specified in §63.5725.	**N**
§63.6(e)(3)	Startup, Shut Down, and Malfunction Plans	Yes	Only sources with add-on controls must complete startup, shutdown, and malfunction plans.	**N**
§63.6(f)	Compliance with Nonopacity Emission Standards	Yes.		**Y**
§63.6(g)	Use of an Alternative Nonopacity Emission Standard	Yes.		**N**
§63.6(h)	Compliance with Opacity/Visible Emissions Standards	No	Subpart VVVV does not specify opacity or visible emission standards.	**N**
§63.6(i)	Extension of Compliance with Emission Standards	Yes.		**N**
§63.6(j)	Exemption from Compliance with Emission Standards	Yes.		**N**
§63.7(a)(1)	Performance Test Requirements	Yes.		**N**
§63.7(a)(2)	Dates for performance tests	No	§63.5716 specifies performance	**N**

			test dates.	
§63.7(a)(3)	Performance testing at other times	Yes.		**N**
§63.7(b)–(h)	Other performance testing requirements	Yes.		**N**
§63.8(a)(1)–(2)	Monitoring Requirements—Applicability	Yes	All of §63.8 applies only to sources with add-on controls. Additional monitoring requirements for sources with add-on controls are found in §63.5725.	**N**
§63.8(a)(3)		No	[Reserved]	**N**
§63.8(a)(4)		No	Subpart VVVV does not refer directly or indirectly to §63.11.	**N**
§63.8(b)(1)	Conduct of Monitoring	Yes.		**N**
§63.8(b)(2)–(3)	Multiple Effluents and Multiple Continuous Monitoring Systems (CMS)	Yes	Applies to sources that use a CMS on the control device stack.	**N**
§63.8(c)(1)–(4)	Continuous Monitoring System Operation and Maintenance	Yes.		**N**
§63.8(c)(5)	Continuous Opacity Monitoring Systems (COMS)	No	Subpart VVVV does not have opacity or visible emission standards.	**N**
§63.8(c)(6)–(8)	Continuous Monitoring System Calibration Checks and Out-of-Control Periods	Yes.		**N**
§63.8(d)	Quality Control Program	Yes.		**N**
§63.8(e)	CMS Performance Evaluation	Yes.		**N**
§63.8(f)(1)–(5)	Use of an Alternative Monitoring Method	Yes.		**N**
§63.8(f)(6)	Alternative to Relative Accuracy Test	Yes	Applies only to sources that use continuous emission monitoring systems (CEMS).	**N**
§63.8(g)	Data Reduction	Yes		**N**
§63.9(a)	Notification Requirements—Applicability	Yes.		**N**
Y§63.9(b)	Initial Notifications	Yes		**N**
§63.9(c)	Request for Compliance Extension	Yes.		**N**

§63.9(d)	Notification That a New Source Is Subject to Special Compliance Requirements	Yes.		**N**
§63.9(e)	Notification of Performance Test	Yes	Applies only to sources with add-on controls.	**N**
§63.9(f)	Notification of Visible Emissions/Opacity Test	No	Subpart VVVV does not have opacity or visible emission standards.	**N**
§63.9(g)(1)	Additional CMS Notifications—Date of CMS Performance Evaluation	Yes	Applies only to sources with add-on controls.	**N**
§63.9(g)(2)	Use of COMS Data	No	Subpart VVVV does not require the use of COMS.	**N**
§63.9(g)(3)	Alternative to Relative Accuracy Testing	Yes	Applies only to sources with CEMS.	**N**
§63.9(h)	Notification of Compliance Status	Yes.		**N**
§63.9(i)	Adjustment of Deadlines	Yes.		**N**
§63.9(j)	Change in Previous Information	Yes.		**N**
§63.10(a)	Recordkeeping/Reporting—Applicability	Yes.		**N**
§63.10(b)(1)	General Recordkeeping Requirements	Yes	§§63.567 and 63.5770 specify additional recordkeeping requirements.	**N**
§63.10(b)(2)(i)–(xi)	Recordkeeping Relevant to Startup, Shutdown, and Malfunction Periods and CMS	Yes	Applies only to sources with add-on controls.	**N**
§63.10(b)(2)(xii)–(xiv)	General Recordkeeping Requirements	Yes.		**N**
§63.10(b)(3)	Recordkeeping Requirements for Applicability Determinations	Yes	§63.5686 specifies applicability determinations for non-major sources.	**N**
§63.10(c)	Additional Recordkeeping for Sources with CMS	Yes	Applies only to sources with add-on controls.	**N**
§63.10(d)(1)	General Reporting Requirements	Yes	§63.5764 specifies additional reporting requirements.	**N**
§63.10(d)(2)	Performance Test Results	Yes	§63.5764 specifies additional requirements for reporting performance test results.	**N**

§63.10(d)(3)	Opacity or Visible Emissions Observations	No	Subpart VVVV does not specify opacity or visible emission standards.	**N**
§63.10(d)(4)	Progress Reports for Sources with Compliance Extensions	Yes.		**N**
§63.10(d)(5)	Startup, Shutdown, and Malfunction Reports	Yes	Applies only to sources with add-on controls.	**N**
§63.10(e)(1)	Additional CMS Reports—General	Yes	Applies only to sources with add-on controls.	**N**
§63.10(e)(2)	Reporting Results of CMS Performance Evaluations	Yes	Applies only to sources with add-on controls.	**N**
§63.10(e)(3)	Excess Emissions/CMS Performance Reports	Yes	Applies only to sources with add-on controls.	**N**
§63.10(e)(4)	COMS Data Reports	No	Subpart VVVV does not specify opacity or visible emission standards.	**N**
§63.10(f)	Recordkeeping/Reporting Waiver	Yes.		**Y**
§63.11	Control Device Requirements—Applicability	No	Facilities subject to subpart VVVV do not use flares as control devices.	**N**
§63.12	State Authority and Delegations	Yes	§63.5776 lists those sections of subpart A that are not delegated.	**Y**
§63.13	Addresses	Yes.		**Y**
§63.14	Incorporation by Reference	Yes.		**Y**
§63.15	Availability of Information/Confidentiality	Yes.		**Y**

(<u>Permitting Note</u>: These applicability references are based upon current operations as reflected in the Title V permit renewal application dated 10/17/2013. Any change in operations may change the applicable provisions.)