Marlow-Hunter, LLC

Facility ID No. 0010077
Alachua County

Title V Air Operation Permit Renewal

Permit No. 0010077-010-AV
(Renewal of Title V Air Operation Permit No. 0010077-009-AV)

Permitting Authority:
State of Florida
Department of Environmental Protection
Air Permitting Program, Northeast District

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Title V Air Operation Permit Renewal

Permit No. 0010077-010-AV

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Florida Department of Environmental Protection

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14700 Northwest US Highway 441
Alachua, Florida 32615

Permit No. 0010077-010-AV
Alachua County Facility
Facility Id No. 0010077
Title V Air Operation Permit Renewal

The purpose of this permit is to renew the Title V air operation permit for the above referenced facility. The existing facility is located in Alachua County at 14700 Northwest US Highway 441, Alachua, Alachua County; UTM Coordinates: Zone 17, 355.1 km East and 3296.37 km North; and, Latitude: 29°47'27" North and Longitude: 82°29'57" West.

The Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-213. The above named permittee is hereby authorized to operate the facility in accordance with the terms and conditions of this permit.

0010077-010-AV Effective Date: May 30, 2017
Renewal Application Due Date: October 17, 2021
Expiration Date: May 30, 2022

Julie R. Hudson
Environmental Manager
Air Permitting,

JRH/mlp

Subsection A. Facility Description.

Marlow-Hunter, LLC is a fiberglass boat manufacturing facility. Process operations include the fabrication of boat decks, hulls and fiberglass reinforced plastic parts, the grounding and sanding of rough surfaces, the coating of hulls with antifouling paint, and the assembly of the decks and hulls to form the completed boats.

The manufacturing operation, which generates emissions from laying up fiberglass, woodworking, and materials storage and handling has the following emissions points:

Emissions Point EP-1 identifies the 12 exhaust stacks of the ventilation/exhaust system for the deck and hull building. Each stack contains 2 polyester fiber non-woven filters and 12 box filters using a roll-mat media to control particulate. The polyester filters are changed on a weekly basis while the box filters are changed depending upon the pressure drop across the filter. Stacks E1-E4 and E9-E12 are located in the Hull Room and Stacks E13-E16 are located in the Deck Room.

Emission Point EP-2 identifies the exhaust stack for the mill lamination vent where various adhesives are applied to the wood components of the boats.

Emissions Point EP-3 & EP-4 identifies the (2) particulate matter control devices used to collect the generated dust in the woodworking mill. Each device consists of a cyclone and baghouse in series. Lumber that is milled in this building is used to pre-fabricate the boat interiors. This process utilizes various kinds of adhesives, varnishes, caulks, putty and filler, cleanup solvents and other minor VOC containing products.

Emissions Point EP-5 identifies the wall and ceiling vents through which fugitive VOC and HAP emissions resulting from the use of raw materials in the R & D Building, the Assembly Room, and the Finishing Room are emitted. In addition, the facility operates a spray room equipped with paint arrestor filters to control overspray as well as a drying room. The spray room has four (4) exhaust fans, while the drying room has one.

Located in the office area of the facility is an emergency diesel engine. The engine was manufactured prior to 2006, has less than 500 horsepower and utilizes diesel fuel.

Subsection B. Summary of Emissions Units.

EU No.	Brief Description
Regulated Emissions Units	
001	Fiberglass boat manufacturing operation, which generates emissions from laying up fiberglass, woodworking, and materials storage and handling.
005	Office Area Emergency Engine

Also included in this permit are miscellaneous insignificant emissions units and/or activities (see Appendix I, List of Insignificant Emissions Units and/or Activities).

Subsection C. Applicable Regulations.

Based on the Title V air operation permit renewal application received February 27, 2017, this facility is a major source of hazardous air pollutants (HAP). A summary of applicable regulations is shown in the following table.

Regulation	**EU No(s).**
Federal Rule Citations	
40 CFR 63, Subpart A, NESHAP General Provisions	001, 005
40 CFR 63, Subpart VVVV	001
40 CFR 63, Subpart ZZZZ	005

Regulation	EU No(s).
State Rule Citations	
Rule 62-4, F.A.C.	001
Rule 62-296, F.A.C.	001
Rule 62-213, F.A.C.	001
Rule 62-210, F.A.C.	001
62-204.800, F.A.C.	001, 005

The following conditions apply facility-wide to all emission units and activities:

FW1. Appendices. The permittee shall comply with all documents identified in Section IV, Appendices, listed in the Table of Contents. Each document is an enforceable part of this permit unless otherwise indicated.

[Rule 62-213.440, F.A.C.]

Emissions and Controls

FW2. **Not federally Enforceable.** 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) and 62-210.200(Definitions), F.A.C.]

FW3. General Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed-necessary and ordered by the Department.

[Rule 62-296.320(1), F.A.C.]

FW4. 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. This regulation does not impose a specific testing requirement.

[Rule 62-296.320(4)(b), F.A.C.]

FW5. Unconfined Particulate Matter. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter 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 particulate matter at this facility include:

a. Maintenance of paved areas/paved parking areas as needed;
b. Reduced speed for vehicular traffic; and
c. Implementation of good housekeeping practices.

[Rule 62-296.320(4)(c), F.A.C.]

Annual Reports and Fees

See Appendix RR, Facility-wide Reporting Requirements for additional details.

FW6. Electronic Annual Operating Report and Title V Annual Emissions Fees. The information required by the Annual Operating Report for Air Pollutant Emitting Facility [Including Title V Source Emissions Fee Calculation] (DEP Form No. 62-210.900(5)) shall be submitted by April 1 of each year, for the previous calendar year, to the Department of Environmental Protection's (DEP) Division of Air Resource Management. Each Title V source shall submit the annual operating report using the DEP's Electronic Annual Operating Report (EAOR) software, unless the Title V source claims a technical or financial hardship by submitting DEP Form No. 62-210.900(5) to the DEP Division of Air Resource Management instead of using the reporting software. Emissions shall be computed in accordance with the provisions of subsection 62-210.370(2), F.A.C. Each Title V source must pay between January 15 and April 1 of each year an annual emissions fee in an amount determined as set forth in subsection 62-213.205(1), F.A.C. The annual fee shall only apply to those regulated pollutants, except carbon monoxide and greenhouse gases, for which an allowable numeric emission-limiting standard is specified in the source's most recent construction permit or

operation permit. Upon completing the required EAOR entries, the EAOR Title V Fee Invoice can be printed by the source showing which of the reported emissions are subject to the fee and the total Title V Annual Emissions Fee that is due. The submission of the annual Title V emissions fee payment is also due (postmarked) by April 1st of each year. A copy of the system-generated EAOR Title V Annual Emissions Fee Invoice and the indicated total fee shall be submitted to: **Major Air Pollution Source Annual Emissions Fee, Post Office Box 3070, Tallahassee, Florida 32315-3070.** Additional information is available by accessing the Title V Annual Emissions Fee On-line Information Center at the following Internet web site: http://www.dep.state.fl.us/air/emission/tvfee.htm. [Rules 62-210.370(3), 62-210.900 & 62-213.205, F.A.C.; and, §403.0872(11), Florida Statutes (2013)]

{Permitting Note: Resources to help you complete your AOR are available on the electronic AOR (EAOR) website at: http://www.dep.state.fl.us/air/emission/eaor. If you have questions or need assistance after reviewing the information posted on the EAOR website, please contact the Department by phone at (850) 717-9000 or email at eaor@dep.state.fl.us.}

{Permitting Note: The Title V Annual Emissions Fee form (DEP Form No. 62-213.900(1)) has been repealed. ***A separate Annual Emissions Fee form is no longer required to be submitted by March 1st each year.****}*

FW7. Annual Statement of Compliance. The permittee shall submit an annual statement of compliance to the compliance authority at the address shown on the cover of this permit and to the US. EPA at the address shown below within 60 days after the end of each calendar year during which the Title V air operation permit was effective. [Rules 62-213.440(3)(a)2. & 3. and (b), F.A.C.]

U.S. Environmental Protection Agency, Region 4
Atlanta Federal Center
61 Forsyth Street, SW
Atlanta, Georgia 30303
Attn: Air Enforcement Branch

FW8. Prevention of Accidental Releases (Section 112(r) of CAA).

a. As required by Section 112(r)(7)(B)(iii) of the CAA and 40 CFR 68, the owner or operator shall submit an updated Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center. (See paragraph e., below.)
b. As required under Section 252.941(1)(c), F.S., the owner or operator shall report to the appropriate representative of the Division of Emergency Management, as established by department rule, within one working day of discovery of an accidental release of a regulated substance from the stationary source, if the owner or operator is required to report the release to the United States Environmental Protection Agency under Section 112(r)(6) of the CAA.
c. The owner or operator shall submit the required annual registration fee to the Division of Emergency Management on or before April 1, in accordance with Part IV, Chapter 252, F.S., and Rule 27P-21, F.A.C.
d. Any required written reports, notifications, certifications, and data required to be sent to the Division of Emergency Management, should be sent to: Division of Emergency Management, 2555 Shumard Oak Boulevard, Tallahassee, FL 32399-2100, Telephone: (850) 413-9970, Fax: (850) 488-1739.
e. Any Risk Management Plans, original submittals, revisions, or updates to submittals, should be sent electronically through EPA's Central Data Exchange system at the following address: https://cdx.epa.gov. Information on electronically submitting risk management plans using the Central Data Exchange system is available at: http://www2.epa.gov/rmp. The RMP Reporting Center can be contacted at: RMP Reporting Center, Post Office Box 10162, Fairfax, VA 22038, Telephone: (703) 227-7650.

f. Any required reports to be sent to the National Response Center, should be sent to: National Response Center, EPA Office of Solid Waste and Emergency Response, 1200 Pennsylvania Avenuem Northwest, Mail Code: USEPA (5101T), Washington, DC 20460, Telephone: (800) 424-8802.
g. Send the required annual registration fee using approved forms made payable to: Cashier, Division of Emergency Management, State Emergency Response Commission, 2555 Shumard Oak Boulevard, Tallahassee, FL 32399-2149

[Part IV, Chapter 252, F.S.; and, Rule 27P-21, F.A.C.]

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
-001	Fiberglass boat manufacturing operation, which generates emissions from laying up fiberglass, woodworking, and materials storage and handling. Emission Points are identified as follows: ▪ EP1 Exhaust stacks E1-E4 & E9-E16 associated with the ventilation/exhaust system for the deck and hull building; ▪ EP2- Stack ML1, the mill lamination vent; ▪ EP3 & EP4- Stacks W1 & W2 associated with each of the two, cyclone and baghouse in series combination; and ▪ EP5- Wall and ceiling vents, M1-M3, and five (5) exhaust fans from the spray room and drying room.

{Permitting note(s): These emissions unit(s) are regulated under: NESHAP - 40 CFR 63, Subpart A- General Provisions and Subpart VVVV [National Emission Standards For Hazardous Air Pollutants for Boat Manufacturing], adopted and incorporated by reference in Rule 62-204.800.}

The following specific conditions apply to the emissions unit(s) listed above:

Essential Potential to Emit (PTE) Parameters

A.1. Hours of Operation. The hours of operation for these emissions units shall not exceed 8,232 hours/year.

[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C., Permit AC01-200235]

Operational and Work Practices

A.2. Fabric Filter. The polyester fiber non-woven filters of the ventilation/exhaust system located throughout the Deck and Hull Buildings shall be changed weekly. The box filters shall be changed depending on the pressure drop across the filter.

[Title V Permit No. 0010077-004-AV, Rule 62-4.070(3), F.A.C.]

A.3. Resin and Gel Coat Mixing 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.

[40 CFR 63.5731(a)]

A.4. Resin and Gel Coat Mixing Container Work Practice Exemption. The work practice standard in **Specific Condition No. A.3.** 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(b)]

A.5. Resin and Gel Coat Application Equipment Cleaning. For the routine flushing of resin and gel coat application equipment (e.g., spray guns, flowcoaters, brushes, rollers, and squeegees), the permittee shall use a cleaning solvent that contains no more than 5 percent organic HAP by weight. No organic HAP content limit applies when removing cured resin or gel coat from application equipment.

[40 CFR 63.5734(a)]

A.6. Organic HAP-containing Solvent Storage. The permittee shall store organic HAP-containing solvents used for removing cured resin or gel coat[1] in containers with covers. The covers shall 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.

[1]*Cured resin or gel coat means resin or gel coat that has changed from a liquid to a solid.*

[40 CFR 63.5734(b)]

A.7. Carpet and Fabric Adhesives Organic HAP Content. The permittee shall use carpet and fabric adhesives that contain no more than 5 percent organic HAP by weight.

[40 CFR 63.5740(a)]

Emission Limitations and Standards

{Permitting Note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

A.8. Volatile Organic Compounds. Total VOC emissions (including styrene) shall not exceed 172 tons per year.

[Title V Permit No. 0010077-004-AV, Permit Revision Request received 05/09/01]

A.9. Styrene. Styrene emissions shall not exceed 131.57 tons per year.

[Title V Permit No. 0010077-004-AV]

A.10. Toluene. Toluene emissions shall not 17.5 tons per year.

[Emission Cap Title V Permit No. 0010077-004-AV]

A.11. Total Hazardous Air Pollutants. Total hazardous air pollutant emissions shall not exceed 157.05 tons per year.

[Emission Cap Title V Permit No. 0010077-004-AV]

A.12. Total Organic HAP Emissions. Total Organic HAP Emissions from the following open molding operations shall be limited as stated in **Specific Condition No. A.13**.: Production Resin, Pigmented Gel Coat, Clear Gel Coat, Tooling Resin, and Tooling Gel Coat.

[40 CFR 63.5698(a)]

A.13. Total Organic HAP Emissions. Total Organic HAP Emissions shall be limited to the limit specified by the following equation, based on a 12-month rolling average:

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

Where:

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

M_R = **mass of production resin** used in the past 12 months, excluding any materials exempt under Specific Condition **A.14**., megagrams.

M_{PG} = **mass of pigmented gel coat** used in the past 12 months, excluding any materials exempt under Specific Condition **A.14**., megagrams.

Condition A.13. Continued

$_{MCG}$ = **mass of clear gel coat** used in the past 12 months, excluding any materials exempt under Specific Condition **A.14**., megagrams.

$_{MTR}$ = **mass of tooling resin** used in the past 12 months, excluding any materials exempt under Specific Condition **A.14**., megagrams.

$_{MTG}$ = **mass of tooling gel coat** used in the past 12 months, excluding any materials exempt under Specific Condition **A.14**., megagrams.

[40 CFR 63.5698(b)]

A.14. The following materials are exempt from the open molding emission limit specified in Specific Condition **A.13.**

(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.

(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.

(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.

[40 CFR 63.5698(d)]

<u>Compliance Methods</u>

A.15. The permittee shall use one or more of the following options, (a) and (b) to meet the emission limit in **Specific Condition No. A.13.:**

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 are averaged meet the emission limit in **Specific Condition No. A.13**. using the procedures described in **Specific Condition Nos. B.7. through B.11.** Compliance with this option is based on a 12-month rolling average.

(2) Those operations and materials not included in the emissions average must comply with either (b) or (c) of this section.

Condition A.15. Continued

b. *Compliant materials option.* Demonstrate compliance by using resins and gel coats that meet the organic HAP content requirements in Table 2. Compliance with this option is based on a 12-month rolling average.

c. *Add-on control option.* Use an enclosure and add-on control device, and demonstrate that the resulting emissions meet the emission limit in **Specific Condition No. A.13**. Compliance with this option is based on control device performance testing and control device monitoring.

[40 CFR 63.5701 (a),(b),(c)]

A.16. The Permittee shall meet the requirements of **Specific Condition B.0**. through **B.15**., if using the Emissions Averaging Option to meet the emission limit in **Specific Condition No. A.13.**

[40 CFR 63.5704(a)]

A.17. The Permittee shall meet the requirements of **Specific Conditions Nos. C.0**. through **C.5**., if using the Compliant Materials Option to meet the emission limit in **Specific Condition No. A.13**.

[40 CFR 63.5704(b)]

A.18. HAP Content of Cleaning Solvents Determination. The Permittee shall determine and record the organic HAP content of the cleaning solvents subject to the requirements of **Specific Condition Nos. A.5.** and **A.6.** using the methods stated in Specific Condition No**. A.20**.

[40 CFR 63.5737(a)]

A.19. Onsite Recycled Cleaning Solvents. For those cleaning solvents recycled onsite, the permittee 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 Specific Condition No. **A.20**. for demonstrating compliance with organic HAP content limits.

[40 CFR 63.5737(b)]

A.20. HAP content Determination Method. The permittee shall use one of the following options, (1) through (5) to determine the organic HAP content for each material used in open molding resin and gel coat operations or carpet and fabric adhesive operations.

(1) *Method 311 (appendix A to 40 CFR part 63)*. The permittee may use Method 311 for determining the mass fraction of organic HAP. The procedures specified in (1)(a) and (b) shall be used when determining organic HAP content by Method 311.

(a) 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).

(b) 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).

Condition A.20 Continued

(2) *ASTM D1259–85 (Standard Test Method for Nonvolatile Content of Resins)*. The permittee 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.

(3) *Alternative method*. The permittee may use an alternative test method for determining mass fraction of *organic* HAP if prior approval is obtained by the Administrator. The procedures in § 63.7(f) shall be followed in order to submit an alternative test method for approval.

(4) *Information from the supplier or manufacturer of the material*. The permittee may rely on information other than that generated by the test methods specified in paragraphs (1) through (4) above, such as manufacturer's formulation data, according to paragraphs (5)(i) through (iii) below.

(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.

(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 (1) through (4) above 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, 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 (1) through (4) above is less than 2 percentage points higher than the value for total organic HAP content provided by the material supplier or manufacturer, then the permittee 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.

(5) *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, the values for organic HAP content that are listed in Table 5 or 6 may be used. Table 6 may be used only if the solvent blends in the materials used do not match any of the solvent blends in Table 5 and only whether the blend is either aliphatic or aromatic is known. However, if test results indicate higher values than those listed in Table 5 or 6, then the test results must be used for determining compliance.

[40 CFR 63.5758(a)]

A.21. Carpet and Fabric Adhesives Organic HAP Content Methods. The permittee shall determine and record the organic HAP content of the carpet and fabric adhesives using the methods in **Specific Condition No. A.20.** to demonstrate compliance with the emission limit in **Specific Condition No. A.7.**

[40 CFR 63.5740(b)]

Inspections

A.22. Resin and Gel Coat Mixing Container Inspection. To demonstrate compliance with the work practice standard in **Specific Condition No.A.3.,** the permittee 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.23. Organic HAP-Containing Solvents Containers. The permittee 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 no less than once per month. The permittee shall keep records of the monthly inspections and any repairs made to the covers.

[40 CFR 63.5737(c)]

Recordkeeping Requirements:

A.24. Recordkeeping. Compliance with the limits stated in **Specific Condition Nos. A.8**. through **A.11**. shall be determined by recording the following data for each material used that contains Styrene, total HAPs, or VOC.

Quantity	
• Gallons of Material Used (Plant usage logs shall be maintained)	
Emissions Factors	
• Density of Material in Pounds per Gallon (Manufacturer specification's data shall be maintained)	• Pollutant Factor (Percentage by Weight)
Emissions	
• Total Cumulative VOC Emissions (Tons) • Total Cumulative Styrene Emissions (Tons) • Total HAP Emissions (Tons)	

*Styrene emissions shall be determined using the same method as stated in Specific Condition **A.26**.*

A.25. Recordkeeping-Styrene. Styrene emissions shall be determined using the following equations:

Emissions, in tons = Amount of material x styrene monomer content (percent/100)
x emission factor (percent/100, from the table below)
x ton/2000 pounds

Condition A.25. Continued

Application Method	NVS Monomer 35%	NVS Monomer 38%	NVS Monomer 42%	NVS Monomer 45%	NVS Monomer 50%
Resin Non-Spray Lay-up	11%	11%	12%	12%	13%
Tooling/Pigmented/ Based Gelcoats	48%	51%	54%	56%	---

The applicable emission factor shall be interpolated from the above table, in conjunction with the percent of available non-vapor suppressed (NVS) monomer in the resin/gelcoat.

[Title V Permit Revision No. 1090022-004-AV]

A.26. VOC, Styrene, Toluene and Total HAP Recordkeeping. The information required by **Specific Condition A.25**. shall be recorded and maintained at the facility.

[Rules 62-4.070(3); 62-213.440, F.A.C.]

A.27. Resin and Gel Coat Mixing Container Recordkeeping. The permittee shall keep records of which mixing containers are subject **Specific Condition Nos. A.3., A.4. and A.22**. The permittee shall maintain records of the results of the inspections, including a description of any repairs or corrective actions taken.

[40 CFR 63.5731(d)]

A.28. Records. The permittee shall maintain the records stated below:

(1) A copy of each notification and report that is submitted to comply with 40 CFR 63 Subpart VVVV.

(2) All documentation supporting any notification or report that is submitted.

(3) For facilities not controlled by an add-on control device: 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 permittee shall also record the amounts of each applied by atomized and nonatomized methods.

(4) For facilities with an add-on control device: 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.

[40 CFR 63.5767]

A.29. Records – Form. The permittee shall maintain records that are readily available and in a form so that they can be easily inspected and reviewed. The records may be on paper or an alternative media, such as microfilm, computer, computer disks, magnetic tapes, or on microfiche.

[40 CRR. 63.5770(a) and (d)]

A.30. Records –Duration. The permittee shall maintain each record for a period of 5 years following the date that each record is generated. The record shall be maintained onsite for at least 2 years after the date that the record is generated and may be maintained offsite for the remaining 3 years.

[40 CFR 63.5770(b) and (c)]

Notification Requirements

A.31. The permittee shall submit all applicable notifications in Table 7 to the Administrator and the Northeast District Office by the dates specified in the table. The notifications are described more fully in 40 CFR part 63, Subpart A, General Provisions Table 8.

[40 CFR 63.5761(a)]

A.32. A If any information submitted in any notification is changed, the permittee shall submit the changes in writing to the Administrator within 15 calendar days after the change.

[40 CFR 63.5761(b)]

Reporting Requirements

A.33. Reporting. A report of the data required by **Condition A.26**. shall be submitted to the Northeast District Office on a semi-annual basis. These reports shall be postmarked no later than the 60th day following the end of the reporting period defined below:

Reporting Period	Report Due Date
January - June	August 1
July-December	March 1

The annual operating report for that calendar year shall be submitted in lieu of the July-December semi-annual report.

[Title V Permit Revision No. 0010077-004-AV]

A.34. The permittee shall submit the applicable reports stated in **Specific Condition** Nos. **A.35**.- **A.37**. by the dates in **A.35**. through **A.36**.[1]

[1] Unless a different schedule for submission of reports has been approved by the Administrator pursuant to 40 CFR 63.10(a).

[40 CFR 63.5764(a)]

A.35. Compliance Report Periods. Each compliance report must cover the applicable semiannual reporting period from January 1 through June 30 or from July 1 through December 31.

[40 CFR 63.5764(b)(3)]

A.36. Compliance Report Submittal Dates. Each compliance report must be postmarked or delivered no later than 60 calendar days after the end of the semiannual reporting period.

[40 CFR 63.5764(b)(4)]

A.37. The compliance report shall include the information specified below in (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.

Condition A.37 Continued

(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.

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

(7) If during the reporting period a deviation from an emission limit or work practice standard occurred, the information listed in (7)(i) through (iv) of this section shall 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 the actions taken to prevent it from happening again.

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

[40 CFR 63.5764(c)]

A.38. Compliance Method: To demonstrate compliance with 40 CFR 63 Subpart VVVV, either the Emissions Averaging Option or the Compliant Materials Option may be used, but each time a compliance option is used, it must be used for a minimum of 12 consecutive months before switching to the other option.

A.39. Other Reporting Requirements. See Appendix RR, Facility-Wide Reporting Requirements, for additional reporting requirements.

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
-001	Fiberglass boat manufacturing operation, which generates emissions from laying up fiberglass, woodworking, and materials storage and handling. Emission Points are identified as follows: ▪ EP1 Exhaust stacks E1-E4 & E9-E16 associated with the ventilation/exhaust system for the deck and hull building; ▪ EP2- Stack ML1, the mill lamination vent; ▪ EP3 & EP4- Stacks W1 & W2 associated with each of the two, cyclone and baghouse in series combination; and ▪ EP5- Wall and ceiling vents, M1-M3, and five (5) exhaust fans from the spray room and drying room.

The following specific conditions apply to the emissions unit(s) listed above:

B.0. Conditions B.1. through **B.15**. shall become effective should the permittee use the Emissions Averaging Option to meet the emission limit in **Specific Condition No. A.13.**

[Rule 62-4.070(3), F.A.C.]

Test Methods and Procedures

{Permitting Note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

B.1. Emissions Averaging Option. If using the Emissions Averaging Option to meet the emission limit in **Specific Condition No. A.13**., the permittee shall demonstrate compliance by performing the following steps (1) through (5) of this section.

(1) Use the methods specified in **Specific Condition No. A.20**.to determine the organic HAP content of resins and gel coats.

(2) Complete the calculations described in **Specific Condition Nos. B.7. – B.11**. to show that the organic HAP emissions do not exceed the limit in Specific Condition No. **A.13.**

(3) Keep records as specified below in (3)(i) through (iv) for each resin and gel coat.

(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 nonatomized technology.

(iv) Calculations performed to demonstrate compliance based on MACT model point values, as described in **Specific Condition Nos. B.8**. through **B.11.**

(4) Prepare and submit the implementation plan described in **Specific Condition Nos. B. 2**. through **B. 6.** to the Administrator and keep it up to date.

(5) Submit semiannual compliance reports to the Administrator as stated in specific condition No. **A.33.**

[40 CFR 63.5704(a)]

Recordkeeping and Reporting Requirements

B.2. Implementation Plan. If using the emissions averaging option to meet the emission limit in **Specific Condition No. A.13**., the permittee must prepare an implementation plan.

[40 CFR 63.5707(a)]

B.3. Implementation Plan Requirements. The implementation plan stated in Specific Condition No. **B.2**. shall describe the steps that will be taken in order to bring the open molding operations stated in **Specific Condition No. A.12**. into compliance with 40 CFR 63 Subpart VVVV. For each operation included in the emissions average, the implementation plan must include the elements listed below in (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 emission limit stated in **Specific Condition No. A.13.**

[40 CFR 63.5704(b)]

B.4. Implementation Plan Submittal. The permittee shall submit the implementation plan to the Administrator with the notification of compliance status stated in Specific **Condition Nos. A.31.** and **A.32.**

[40 CFR 63.5704(c)]

B.5. The permittee shall keep the implementation plan on site and provide it to the Administrator when asked.

[40 CFR 63.5704(d)]

B.6. Should the implementation plan be revised, the permittee shall submit the revised plan with the next semiannual compliance report stated in **Specific Condition No. A.35.**

[40 CFR 63.5704(e)]

B.7. Recordkeeping. 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, August 23, 2004.

[40 CFR 63.5710(a)]

B.8. Recordkeeping. At the end of the twelfth month after your compliance date and at the end of every subsequent month, use the following equation to demonstrate that the organic HAP emissions from those operations included in the average do not exceed the emission limit in Specific Condition No. **A.13**. calculated for the same 12-month period. (Include terms in the equation in Specific Condition No. **A.13**. and the following equation for only those operations and materials included in the average.)

$$\text{HAP emissions} = \left[(PV_R)(M_R)+(PV_{PG})(M_{PG})+(PV_{CG})(M_{CG})+(PV_{TR})(M_{TR})+(PV_{TG})(M_{TG})\right]$$

(Eq. 1)

Where:

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

Condition B.8. Continued

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.

[40 CFR 63.5710(b)]

B.9. Recordkeeping. At the end of every month, use the following equation to compute the weighted-average MACT model point value for each open molding resin and gel coat operation included in the average.

$$PV_{OP} = \frac{\sum_{i=1}^{n} \left(M_i \, PV_i \right)}{\sum_{i=1}^{n} \left(M_i \right)} \qquad \text{(Eq. 2)}$$

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.

[40 CFR 63.5710(c)]

B.10. Recordkeeping. The permittee shall use the equations in Table 3 to calculate the MACT model point value (PV_i) for each resin and gel coat used in each operation in the past 12 months.

[40 CFR 63.5710(d)]

B.11. Recordkeeping. If the organic HAP emissions, as calculated in **Specific Condition No. B.8.**, are less than the organic HAP limit calculated in **Specific Condition No. A.13.** for the same 12-month period, then you are in compliance with the emission limit in **Specific Condition No. A.13.** for those operations and materials included in the average.

[40 CFR 63.5710(e)]

Filled Resins:

B.12. Filled Resin Usage. If including a filled resin in the emissions averaging procedure described in **Specific Condition No. B.1.,** then use the value of PVF calculated using the equation in **Specific Condition B.13**. for the value of PV i in the equation in **Specific Condition No. B.9.**

[40 CFR 63.5714(d)]

B.13. Filled Resin Usage. When using either a filled production resin or filled tooling resin, the permittee must demonstrate compliance for the filled material on an as-applied basis using the following equation:

$$PV_F = PV_u \times \frac{(100 - \%Filler)}{100}$$

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.

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

[40 CFR 63.5714(a)]

B.14. Filled Resin as a Production Resin Compliance Determination. If the filled resin is used as a production resin and the value of PV_F calculated by the equation in Specific Condition No. **B.13.** does not exceed 46 kilograms of organic HAP per megagram of filled resin applied, then the filled resin is in compliance.

[40 CFR 63.5714(b)]

B.15. Filled Resin as a Tooling Resin Compliance Determination. If the filled resin is used as a tooling resin and the value of PV_F calculated by the equation in Specific Condition No. **B.13.** does not exceed 54 kilograms of organic HAP per megagram of filled resin applied, then the filled resin is in compliance.

[40 CFR 63.5714(c)]

The specific conditions in this section apply to the following emissions unit:

EU No.	Brief Description
-001	Fiberglass boat manufacturing operation, which generates emissions from laying up fiberglass, woodworking, and materials storage and handling. Emission Points are identified as follows: ▪ EP1 Exhaust stacks E1-E4 & E9-E16 associated with the ventilation/exhaust system for the deck and hull building; ▪ EP2- Stack ML1, the mill lamination vent; ▪ EP3 & EP4- Stacks W1 & W2 associated with each of the two, cyclone and baghouse in series combination; and ▪ EP5- Wall and ceiling vents, M1-M3, and five (5) exhaust fans from the spray room and drying room.

The following specific conditions apply to the emissions unit(s) listed above:

C.0. Conditions C.1. through **C.5.** shall become effective should the permittee use the Compliant Materials Option to meet the emission limit in **Specific Condition No. A.13.**

[Rule 62-4.070(3), F.A.C.]

C.1. Compliant Materials Option. If using the Compliant Materials Option to meet the emission limit in **Specific Condition No. A.13**., the permittee shall demonstrate compliance by performing the following steps (1) through (4) of this section.

(1) Use the methods specified in **Specific Condition No. A.20**. to determine the organic HAP content of resins and gel coats.

(2) Complete the calculations described in Specific Condition No. **C.4**. to show that the weighted-average organic HAP content does not exceed the limit specified in Table 2.

(3) Keep records as specified below in (3)(i) through (iv) of this section for each resin and gel coat.

(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 nonatomized 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.

(iv) Calculations performed, if required, to demonstrate compliance based on weighted-average organic HAP content as described in Specific Condition No. **C.4.**

(4) Submit semiannual compliance reports to the Administrator as specified in Specific Condition **A.34.**

[40 CFR 63.5704(b)]

C.2. Recordkeeping. Compliance using the organic HAP content requirements listed in Table 2 is based on a 12-month rolling average that is calculated at the end of every month. The first 12-month rolling-average period begins on August 23, 2004. If using filled material (production resin or tooling resin), the permittee shall comply according to the procedure described in Specific Condition No. **B.12. – B.15.**

[40 CFR 63.5713(a)]

C.3. Recordkeeping. At the end of the twelfth month after August 23, 2004 and at the end of every subsequent month, the permittee shall review the organic HAP contents of the resins and gel coats used in the past 12 months in each operation. If all resins and gel coats used in an operation have organic HAP contents no greater than the applicable organic HAP content limits in Table 2, then in the facility has reached compliance with the emission limit stated in **Specific Condition A.13.** for that 12-month period for that operation. In addition, the permittee is not required to complete the weighted-average organic HAP content calculation contained in **Specific Condition No. C.4**. for that operation.

[40 CFR 63.5713(b)]

C.4. Recordkeeping. At the end of every month, the permittee shall use the following equation to calculate the weighted-average organic HAP content for all resins and gel coats used in each operation in the past 12 months.

$$\text{Weighted-Average HAP Content (\%)} = \frac{\prod_{i=1}^{n} \left(M_i \, HAP_i \right)}{\prod_{i=1}^{n} \left(M_i \right)} \qquad \text{(Eq. 1)}$$

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 **Specific Condition No. A.20**. to determine organic HAP content.

n = number of different open molding resins or gel coats used in the past 12 months in an operation.

[40 CFR 63.5713(c)]

C.5. Recordkeeping. If the weighted-average organic HAP content does not exceed the applicable organic HAP content limit specified in Table 2, then the facility has reached compliance with the emission limit stated in **Specific Condition No. A.13.**

The specific conditions in this section apply to the following emissions unit:

Description	Duty	Displacement liters/cylinder (l/c)	Manufacturer	Fuel Fired	HP	Year Manufactured	Year Installed	Year Rebuilt	Model No.	Serial #
Office Area - Emergency Engine	Emergency	---	---	Diesel	<500	<2006	---	No	AFB060YR	163020

This engine is subject to 40 CFR 63 Subpart ZZZZ National Emissions Standards For Hazardous Air Pollutants For Stationary Reciprocating Internal Combustion Engines. In accordance with the definitions of this subpart, these engines are existing, stationary RICE. ***Unless the RICE is modified or reconstructed after 7/11/2005, NSPS 40 CFR 60, Subpart IIII, will not apply.***

D.1. NESHAP, 40 CFR 63 Subpart ZZZZ Applicability: These diesel engines are classified as existing, stationary Reciprocating Internal Combustion Engines (RICE) and shall comply with applicable provisions of 40 CFR 63 Subpart ZZZZ. This engine is classified as Emergency stationary RICE.

[40 CFR 63.6675(def); 40 CFR 63.6585(a) & (b); 40 CFR 60.6590(a)(1)(ii)]

D.2. 40 CFR 63, Subpart A-General Provision: Table 8 of 40 CFR 63 Subpart ZZZZ, shows which parts of the General Provisions in 40 CFR63.1 through 63.15 are applicable.

[40 CFR 63.6665]

Performance Restrictions

D.3. Authorized Fuel:

a. Diesel fuel is the only authorized fuel for this engine.

[Permit No. 0010077-010-AV]

b. Beginning January 1, 2015, owners and operators of existing emergency CI stationary RICE with a site rating of more than 100 brake HP and a displacement of less than 30 liters per cylinder that uses diesel fuel and operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in **Condition D.4.(2)(ii) and (iii),** must use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to January 1, 2015, may be used until depleted.

(1) *Sulfur content:* 15ppm maximum for NR diesel fuel

(2) *Cetane index or aromatic content*, as follows:

(i) A minimum cetane index of 40; or

(ii) A maximum aromatic content of 35 volume percent.

[40 CFR 63.6604(b); 40 CFR 80.510(b)(1)(i), (b)(2); Rule 62-204.800(8), FAC]

D.4. Method of Operation - Emergency Stationary RICE: The emergency stationary RICE shall be operated according to the requirements in paragraphs (1) through (3) of this Condition. Any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (1) through (3) of this Condition, is prohibited. If you do not operate the engine according to the requirements in paragraphs (1) through (3) of this Condition, the engine will not be considered an emergency engine under 40 CFR 63 Subpart ZZZZ and will need to meet all requirements for non-emergency engines.

(1) *Emergency Situations.* There is no time limit on the use of emergency stationary RICE in emergency situations.

(2) You may operate your emergency stationary RICE for any combination of the purposes specified in paragraphs (2)(i) through (iii) of this Condition for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraph (3) of this Condition counts as part of the 100 hours per calendar year allowed by this paragraph (2).

(i) *Maintenance and Testing.* The emergency stationary RICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that Federal, State, or local standards require maintenance and testing of emergency RICE beyond 100 hours per year.

(ii) *Emergency Demand Response Situations*. Emergency stationary RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see 40 CFR63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

(iii) *Voltage Deviation*. Emergency stationary RICE may be operated for periods where there is a deviation of voltage or frequency of 5 percent or greater below standard voltage or frequency.

(3) *Non-Emergency Situations*. The emergency stationary RICE may be operated up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

[40 CFR 63.6640(f)(1), (2), (3)]

Emission standards

D.5. The engine shall comply with the following standards:

a. Change oil and filter every 500 hours of operation or annually[1], whichever comes first[2];
b. Inspect air cleaner every 1,000 hours of operation or annually[1], whichever comes first; and
c. Inspect all hoses and belts every 500 hours of operation or annually[1], whichever comes first, and replace as necessary.[3]

[1] Annually is interpreted to mean per calendar year

[2] Sources have the option to utilize an oil analysis program as described in **Condition D.6**. in order to extend the specified oil change requirement.

[3] Sources can petition the Administrator pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices

[40 CFR 63.6602, Item 1 of Table 2c, Table 2c Footnotes 2 and 3]

D.6. Oil Analysis Program Option. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement stated in **Condition D.5.** The oil analysis must be performed at the same frequency specified for changing the oil in **Condition D.5.** The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

[40 CFR 63.6625(i)]

General compliance requirements

D.7. Continuous Compliance. You must be in compliance with the emission limitations and operating limitations in 40 CFR 63 Subpart ZZZZ that applies at all times.

[40 CFR 63.6605(a)]

D.8. Operation and Maintenance of Equipment. At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[40 CFR 63.6605(b)]

D.9. Operation and Maintenance. The stationary RICE and after-treatment control device (if any) shall be operated and maintained according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

[40 CFR 63.6625(e)(2)]

D.10. Hour Meter. The owner or operator must install a non-resettable hour meter if one is not already installed.

[40 CFR 63.6625(f)]

D.11. Engine Startup. The owner or operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in 40 CFR 63 Subpart ZZZZ Table 2c apply.[1]

[1] Sources can petition the Administrator pursuant to the requirements of 40 CFR 63.6(g) for alternative work practices

[40 CFR 63.6625(h), Table 2c, Item 1, Table 2c footnote 3]

Monitoring requirements

D.12. You must demonstrate continuous compliance with each operating limitation in **Condition D.5.** according to methods specified below:

a. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or

ii. Develop and follow your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

[40 CFR 63.6640(a), Table 6, No. 9.a.i. & ii.]

D.13. The following records in paragraphs (a)(1) - (a)(5) shall be kept:

(a)(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in 40 CFR63.10(b)(2)(xiv).

(2) Records of the occurrence and duration of each malfunction of operation (*i.e.,* process equipment) or the air pollution control and monitoring equipment.

(3) N/A.

(4) Records of all required maintenance performed on the air pollution control and monitoring equipment.

(5) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

[40 CFR 63.6655(a)]

D.14. The records required in **Condition D.13.** shall be kept to show continuous compliance with each emission or operating limitation in **Condition D.5.**

[40 CFR 63.6655(d), Table 6, No. 9.a.i. & ii.]

D.15. Records of the maintenance conducted on the stationary RICE shall be kept in order to demonstrate that the stationary RICE and after-treatment control device (if any) is operated and maintained according to the owner or operator's own maintenance plan.

[40 CFR 63.6655(e)(2)]

D.16. Records of the hours of operation of the engine shall be kept that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes

[40 CFR 63.6655(f)(1)]

D.17. Records: Records shall meet the following:

(a) Records must be in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b)(1).

(b) As specified in 40 CFR 63.10(b)(1), each record shall be kept for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) Each record shall be kept readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to 40 CFR 63.10(b)(1).

[40 CFR 63.6660]

Reporting requirements

D.18. Each instance shall be reported in which each emission limitation or operating limitation in **Condition D.5.** is not met. These instances are deviations from the emission and operating limitations in 40 CFR 63 Subpart ZZZZ. These deviations must be reported according to the requirements in 40 CFR 63.6650.

[40 CFR 63.6640(b)]

D.19. Each instance shall be reported in which the requirements in Table 8 to 40 CFR 63 Subpart ZZZZ that apply are not met.

[40 CFR 63.6640(e)]

[40 CFR 63.6650(h)]

D.20. Emergency Situation. If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in **Condition D.5.**, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the work practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

[40 CFR 63 Subpart ZZZZ Table 2c, footnote 1]

D.21. Emergency Demand Response Situations & Voltage Deviation. If you own or operate an emergency stationary RICE with a site rating of more than 100 brake HP that operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in **Condition D.4.**(2)(ii) and (iii), you must submit an annual report according to the requirements in 40 CFR 63.6650(h)(1) through (3)

[40 CFR 63 Subpart ZZZZ Table 7, Item 4; 40 CFR 63.6650(h)(1), (2), (3)]

Notification requirements

D.22. The applicable notification requirements in 40 CFR 63.6645 and in 40 CFR Part 63, Subpart A shall be met. Pursuant to 40 CFR 63.6645(a)(5), the notification requirements of 40 CFR 63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) are not applicable to existing stationary emergency RICE.

[40 CFR 63.6595(c), 40 CFR 63.6645(a)(5)]

SECTION IV. APPENDICES.

The Following Appendices Are Enforceable Parts of This Permit:

Appendix A, Glossary.
Appendix I, List of Insignificant Emissions Units and/or Activities.
Appendix NESHAP, Subpart A – General Provisions.
Appendix NESHAP, Subpart VVVV
Appendix NESHAP, Subpart ZZZZ
Appendix RR, Facility-wide Reporting Requirements.
Appendix TR, Facility-wide Testing Requirements.
Appendix TV, Title V General Conditions.