Traditional Watercraft, Incorporated
d/b/a Island Packet Yachts

Facility ID No. 1030224
Pinellas County

Title V Air Operation Permit Renewal

Permit No. 1030224-011-AV
(Renewal of Title V Air Operation Permit No. 1030224-009-AV)

Permitting Authority:

State of Florida
Department of Environmental Protection
Air Resource Management, Southwest District

13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Telephone: (813) 470-5700
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Compliance Authority:

Pinellas County Air Quality Division
509 East Avenue South, Suite 138
Clearwater, Florida 33756

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Title V Air Operation Permit Renewal

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DRAFT/PROPOSED PERMIT

PERMITTEE:
Traditional Watercraft, Inc.
d/b/a Island Packet Yachts
1979 Wild Acres Road
Largo, Florida 33771

Permit No. 1030224-011-AV
Facility ID No.: 1030224
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 Traditional Watercraft, Inc. is located in Pinellas County at 1979 and 2080 Wild Acres Road, Largo, Florida. UTM Coordinates are: Zone 17, 327.44 km East and 3087.18 km North. Latitude is: $27^0$53'54" North; and, Longitude is: $82^0$45'12" 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, 62-213. The above named permittee is hereby authorized to operate the facility in accordance with the terms and conditions of this permit.

Effective Date: Date, 200x
Renewal Application Due Date: Exp. Date -225, 20xx
Expiration Date: Eff. Date + 5 years, 20xx

(Draft/Proposed)

_____

Kelley M. Boatwright
District Air Program Administrator
Southwest District

KMB/sg/admin

SECTION I. FACILITY INFORMATION.

Subsection A. Facility Description.

This facility consists of a fiberglass boat manufacturing facility subject to the requirements of 40 CFR 63, Subpart VVVV-National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing. The facility has 2 sites: 1) 1979 Wild Acres Road and 2) 2080 Wild Acres Road. Both sites are in Largo, Pinellas County.

Subsection B. Summary of Emissions Units.

EU No.	Brief Description
Regulated Emissions Units	
001	Fiberglass Boat Manufacturing Facility
002	Emergency Spark Ignition (SI) RICE Engine

Subsection C. Applicable Regulations.

Based on the Title V air operation permit renewal application received December 10, 2013, this facility is a major source of hazardous air pollutants (HAPs). A summary of applicable regulations is shown in the following table.

Regulation	EU Nos.
Federal Regulations	
40 CFR 63, Subpart A - NESHAP General Provisions	001 & 002
40 CFR 63 Subpart VVVV- National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing	001
40 CFR 63, Subpart ZZZZ – National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)	002
State Regulations	
Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297, F.A.C.	All

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.; Pinellas County Code, Section 58-178 and Construction Permit 1030224-010-AC]

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. The permittee shall comply with the following:

a. The exhaust fan associated with the Gelcoat Booth, Polycore Booth, Small Parts Lamination activities in the enclosure between the glass building and tooling/mold storage building, and the Varnish Booth shall be operating whenever usage of materials containing VOC/OS occurs and shall remain operating for at least 2 hours after the usage has been completed. When hull/deck gelcoating/lamination are occurring, the doors on the north and east sides of the building will be closed. In order to ensure sufficient make up controlled airflow through the building to the exhaust stacks, the doors on the south side of the gelcoat/lamination area and the south side of the building (mill area) will be open to a maximum of 10 feet. When activities require, one of the internal doors between the two building halves may be opened, but only when the south side (mill area) door is closed.

b. When determining the "VOC emission rate", the percent of solids in the recovered solvents and hazardous waste, shall be documented and subtracted from the amount of recovered solvents and hazardous waste.

c. All materials containing VOC/OS shall be stored in closed containers and/or in small automatic closing safety cans.

d. Clean-up solvents washings shall be directed into containers that prevent evaporation into the atmosphere.

e. All equipment, pipes, hoses, lids, fittings, etc., shall be operated/maintained in such a manner as to minimize leaks, fugitive VOC/OS emissions and spills of materials containing VOC/OS.

f. Work practice controls, when practicable, shall include limiting the amount of clean-up solvents issued to employees and employees shall use gloves whenever handling resins.

g. Immediately attend to all spills of materials containing VOC/OS as appropriate.

h. For each of the two (2) exhaust stacks in the glass shop (gelcoat booth and Polycore booth) and the exhaust stack associated with the small parts lamination in the enclosure, there shall be no device,

which (a) reduces the vertical momentum of the stack gas, or (b) reduces the vertical dispersion of the stack gas.

[Rule 62-4.070(3) and 62-296.320(1)(a), F.A.C.; Construction Permit No. 1030224-010-AC]

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. EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C. This regulation does not impose a specific testing requirement.
[Rule 62-296.320(4)(b)1, F.A.C.]

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. Using enclosures and/or wind screens as necessary.

b. Vacuuming and/or sweeping of the heavy sanding/grinding area as necessary.

c. The buildings shall be kept reasonably clean and the dust controlled to reasonable levels by vacuuming and/or sweeping as necessary.

d. Use the hoods, fans, filters and similar equipment to contain, capture and/or vent particulate matter, which shall include the use of filters in the Grinding/Trimming activities (enclosure), Gelcoat Spray Booth, Polycore Booth, and Cutting/Grinding Booth.

As an indicator that adequate control measures are being employed, visible emission s from exhaust fans, doors, and vents should not exceed five percent (5%) opacity. If this level is exceeded, it shall not be considered a violation in and of itself, but may allow the Department to require additional controls or work practices.

[Rule 62-296.320(4)(c)2, F.A.C.; Construction Permit No. 1030224-010-AC]

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 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, P.O. 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 within 60 days after the end of each calendar year during which the Title V permit was effective.
[Rules 62-213.440(3)(a)2. & 3. and (b), F.A.C.]

FW8. Prevention of Accidental Releases (Section 112(r) of CAA). If, and when, the facility becomes subject to 112(r), the permittee shall:

a. Submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center. 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://www.epa.gov/osweroe1/content/rmp/index.htm. The RMP Reporting Center can be contacted at: RMP Reporting Center, Post Office Box 10162, Fairfax, VA 22038, Telephone: (703) 227-7650.
b. Submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.

[40 CFR 68]

***IMPORTANT NOTES TO PERMITTEE*:**

Permit Renewal - see Appendix TV, Condition No. TV18.
(Note - Renewal application is due 225 days prior to expiration date of this permit.)

Title V Semi-Annual Monitoring Reports - see Appendix RR, Condition No. RR4.

Subsection A. Emissions Unit No. 001 – Fiberglass Boat Manufacturing Facility

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

EU ID No.	Brief Description
001	Fiberglass Boat Manufacturing Facility - The site at Number 1979 Wild Acres Road consists of two (2) main buildings (glass building and tooling/mold storage building) and an enclosure between these two (2) buildings. The main lamination activities and curing are conducted in the glass building. Inside the glass building is a cutting/grinding booth. Small parts lamination, grinding and trimming are conducted in the enclosure between the glass building and tooling/mold storage building. After a fiberglass reinforced boat and other related components are designed, molds for the fiberglass components are built. After applying a wax to the surface of the molds, they are sprayed with a (typically pigmented) styrene based gelcoat in the gelcoat spray booth located in the northeast corner of the glass building. When the gelcoat has sufficiently solidified, fiberglass material is placed in the mold and polyester resin is applied to the glass with hand-held, flow through pressure fed rollers. The resin is catalyzed at a point just before it reaches the handle of the roller. The required thickness of fiberglass and resin are built up using this method. After curing the hardened fiberglass hull and deck parts are removed from the mold and put on a cradle. On some of the parts with large, flat horizontal surfaces, non-structural thickness is built up by using putty applied by hand or by nonatomized applicator. Closed molding techniques are used for some parts fabrication. In this procedure the gelcoat is applied to the surface of the mold in a traditional "open molding" method; fiberglass cloth or mat is then laid over the gelcoated surface and a second "half" of the mold is placed over the fiberglass. The edges are sealed except for a point where the resin is introduced. A vacuum is pulled on the part for several hours to verify the seal integrity. Catalyst is introduced into the resin drums and/or pails and thoroughly mixed prior to infusion into the part. The vacuum draws the catalyzed resin into the part until it appears at the exit hose at which point the flow will be terminated. Vacuum will continue to be applied overnight. After curing over night the part is removed from the mold. Closed molding operations meet the criteria for insignificant activity specified in Rule 62 -213.430(6)(b), F.A.C. Excess material is trimmed from the parts in the grinding booth which is equipped with a dust collection system. Additional, lesser amounts of grinding may be performed in the main building or glass shop. All of these areas are equipped with dust filters. No particulates are discharged outside the building from the grinding booth. These grinding and trimming activities are considered exempt. The site at Number 2080 Wild Acres Road consists of Assembly Building No. 4 (south) and Assembly Building No. 5 (north), and a separate building (west) with a wood mill (shop).

Essential Potential to Emit (PTE) Parameters

A.1. Hours of Operation – This emissions unit may operate continuously (8,760 hours/year).
[Rule 62-210.200 (Potential to Emit), F.A.C., Construction Permit No. 1030224-010-AC]

Emission Limitations and Standards

A.2. Emission Limitations and Standards - Emission shall not exceed the following:

Pollutant	Tons per any consecutive 12-month period
Total Hazardous Air Pollutants (including Styrene)	99.0
Total Volatile Organic Compounds (including Styrene)	99.0

[Rule 62-210.200 (Definition "Potential to Emit"), F.A.C.; Construction Permit 1030224-010-AC]

Recordkeeping and Reporting Requirements

A.3. Recordkeeping Requirements – Compliance with the emission limitations of Specific Condition No. A.2. shall be documented on a monthly basis, based upon usage of all VOC/HAP-containing materials (e.g., resin, gelcoat, putties, fillers, etc.). Monthly usage of materials may be based upon an inventory at the beginning of the month, receipt of material during the month, and inventory of the materials at the end of the month, provided the material is not used in multiple application methods with different emission factors. All logs shall include the Facility name and Facility ID (1030224). The emission summary shall show the following:

a. The total VOC emissions for the month, in tons;

b. The total HAP emissions for the month, in tons;

c. The total VOC emissions, in tons, for the most recent consecutive 12-month period;

d. The total HAP emissions, in tons, for the most recent consecutive 12-month period;

General Recordkeeping Requirements

e. The method of application (where applicable) for each material used (see Table below);

f. Emissions of styrene, methyl methacrylate (MMA), and other HAPs and VOCs shall be determined as outlined in Specific Condition No. A4., until notified by the Department or the Pinellas County Air Quality Division. Note, styrene and MMA are each considered both a VOC and a HAP.

g. Each log, where applicable, shall have attached the documentation for all chemicals captured for disposal or recycle.

h. When determining the VOC emissions and HAP emission rates, the percent of solids in the recovered materials shall be documented and accounted for in the emission calculations, if applicable.

i. The monthly logs shall be completed by the end of the following month. Supporting documentation (Material Safety Data Sheets, purchase orders, etc.) shall be kept for each material which includes sufficient information to determine VOC emissions and HAP emissions.

j. The VOC and HAP emission summary, calculations, and records used to determine emissions shall be recorded in a permanent form suitable for inspection by the Department or the Pinellas County Air Quality Division upon request. The logs/records shall be kept at the facility for a minimum of five (5) years.

[Rules 62-4.070(3) and 62-213.440(1)(b), F.A.C.; Construction Permit No. 1030224-010-AC]

A.4. Emissions Calculation Requirements – Emissions of Styrene, Methyl methacrylate (MMA), and other volatile organic compounds (VOC) shall be determined for open molding activities as follows until notified by the Department. Note, Styrene and MMA are each considered a VOC and a HAP.

1. Styrene emissions shall be determined using the following equation:

$$\text{Emissions (tons)} = \frac{\text{Ms} \times \text{EF}}{2000 \text{ lb/ton}}$$

where:

Ms = amount of styrene containing material used (in tons)
EF = emission factor (lb/ton) for styrene monomer content (from table below)

The applicable styrene emission factor shall be obtained (interpolated/extrapolated, if applicable) from the following table, in conjunction with the percent of available non-vapor suppressed (NVS) styrene monomer in the resin/gelcoat:

% Monomer	**Resin** Hand (Non-Spray) Layup**	**Resin** Mechanical Atomized Spray Layup**	**Resin Mechanical Nonatomized* Spray Layup**	**Gel Coat** Mechanical Atomized Spray Layup**	**Gelcoat Mechanical Nonatomized* Spray Layup**
18	39	51	39	138	67
19	41	54	41	148	70
20	43	58	43	158	79
21	45	61	45	168	88
22	48	64	47	178	97
23	50	68	49	189	106
24	52	71	51	200	115
25	55	75	54	211	124
26	57	78	56	221	133
27	59	82	58	233	142
28	62	86	60	244	151
29	64	90	62	256	160
30	67	94	64	269	169
31	69	97	66	281	178
32	71	102	68	295	187
33	74	105	71	308	196
34	77	112	74	322	205
35	80	118	77	336	214
36	83	127	80	354	223
37	86	136	83	371	232
38	90	146	86	390	241
39	92	156	89	408	250
40	95	166	93	427	259
41	98	176	96	446	268
42	100	187	99	466	278
43	112	192	102	477	287

% Monomer	**Resin** Hand (Non-Spray) Layup**	**Resin** Mechanical Atomized Spray Layup**	**Resin Mechanical Nonatomized* Spray Layup**	**Gel Coat** Mechanical Atomized Spray Layup**	**Gelcoat Mechanical Nonatomized* Spray Layup**
44	117	202	105	495	296
45	122	212	108	513	305
46	127	221	111	532	314
47	133	232	115	551	323
48	138	242	118	571	332
49	143	252	121	590	341
50	148	263	124	609	350

* *Nonatomized* means any application technology in which the resin is not broken into droplets or an aerosol as it travels from the application equipment to the surface of the part. Nonatomized resin application technology includes, but is not limited to, flowcoaters, chopper flowcoaters, and pressure fed resin rollers. In addition, the device must be operated according to the manufacturer's directions, including instructions to prevent the operation of the device at excessive spray pressures.

** *The emission factors in these columns are based on a weighted average using the following assumptions:*

- *Using the Unified Emission Factors - 20% by weight of the facility's usage of resins and gelcoats are for reinforced plastic composites production for items such as hatches and doors, but not for hulls and decks.*

- *Using the National Marine Manufacturer Association's Factors – 80% by weight of the facility's usage of resins and gelcoats are for items such as decks and hulls.*

2. MMA emissions shall be determined by the following equations:

$$\text{Emissions(tons)} = \text{Mmma} \times \text{Cmma} \times 0.75$$

where:

Mmma = amount of MMA containing material used (in tons)
Cmma = MMA content (percent/100)

3. VOC and HAP emissions for all other materials shall be determined by the following equation for each material. These values shall be used in conjunction with other emissions values in this specific condition to determine total VOC/HAP emissions:

$$\text{Emissions(tons)} = \text{Mvoc}_{/\text{HAP}} \times \text{Cvoc}_{/\text{HAP}} \text{ x EF}$$

where:

$\text{Mvoc}_{/\text{HAP}}$ = amount of VOC/HAP-containing material used (in tons)
$\text{Cvoc}_{/\text{HAP}}$ = VOC/HAP content (percent/100)
EF = emission factor for the individual VOC/HAP-containing material

** Emissions factor shall be 1.0 except for certain reactive species (e.g. isocyanates, peroxides, and phthalates). Emissions factors other than 1.0 must be approved by the Department.

[Rule 62-213.440(1)(b), F.A.C.; Construction Permit 1030224-010-AC]

Other Requirements

A.5. Federal Rule Requirements - In addition to the specific conditions listed above, this emissions unit is also subject to the applicable provisions of 40 CFR 63, Subparts A - General Provisions to 40 CFR 63 and VVVV - National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing as adopted and incorporated by reference in Rule 62-204.800, F.A.C. The requirements listed below are based on the Title V permit renewal application received on December 10, 2013. When demonstrating 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.

40 CFR 63, Subpart VVVV - National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing - Applicable Provision Requirements

Based on Federal Register dated 8/22/01, revised 12/8/01 to reflect 10/03/01 Federal Register revision.

What This Subpart Covers

§63.5680 What is the purpose of this subpart?
§63.5683 Does this subpart apply to me?
§63.5686 How do I demonstrate that my facility is not a major source?
Not applicable.
§63.5689 What parts of my facility are covered by this subpart?
§63.5692 How do I know if my boat manufacturing facility is a new source or an existing source?
§**63.5695** When must I comply with this subpart?

Standards for Open Molding Resin and Gel Coat Operations

§63.5698 What emission limit must I meet for open molding resin and gel coat operations?
§63.5701 What are my options for complying with the open molding emission limit?
§63.5704 What are the general requirements for complying with the open molding emission limit?
§63.5707 What is an implementation plan for open molding operations and when do I need to prepare one?
§63.5710 How do I demonstrate compliance using emissions averaging?
§63.5713 How do I demonstrate compliance using compliant materials?
§63.5714 How do I demonstrate compliance if I use filled resins?

Demonstrating Compliance for Open Molding Operations Controlled by Add-on Control Devices

§63.5715 What operating limits must I meet?
Not applicable.
§63.5716 When must I conduct a performance test?
Not applicable.
§63.5719 How do I conduct a performance test?
Not applicable.
§63.5722 How do I use the performance test data to demonstrate initial compliance?

Not applicable.

§63.5725 What are the requirements for monitoring and demonstrating continuous compliance?

Not applicable.

Standards for Closed Molding Resin Operations

§63.5728 What standards must I meet for closed molding resin operations?

Standards for Resin and Gel Coat Mixing Operations

§63.5731 What standards must I meet for resin and gel coat mixing operations?

Standards for Resin and Gel Coat Application Equipment Cleaning Operations

§63.5734 What standards must I meet for resin and gel coat application equipment cleaning operations?

§63.5737 How do I demonstrate compliance with the resin and gel coat application equipment cleaning standards?

Standards for Carpet and Fabric Adhesive Operations

§63.5740 What emission limit must I meet for carpet and fabric adhesive operations?

Standards for Aluminum Recreational Boat Surface Coating Operations

§63.5743 What standards must I meet for aluminum recreational boat surface coating operations?

Not applicable.

§63.5746 How do I demonstrate compliance with the emission limits for aluminum wipedown solvents and aluminum coatings?

Not applicable.

§63.5749 How do I calculate the organic HAP content of aluminum wipedown solvents?

Not applicable.

§63.5752 How do I calculate the organic HAP content of aluminum recreational boat surface coatings?

Not applicable.

§63.5753 How do I calculate the combined organic HAP content of aluminum wipedown solvents and aluminum recreational boat surface coatings?

Not applicable.

§63.5755 How do I demonstrate compliance with the aluminum recreational boat surface coating spray gun cleaning work practice standards?

Not applicable.

Methods for Determining Hazardous Air Pollutant Content

§63.5758 How do I determine the organic HAP content of materials?

Notifications, Reports, and Records

§63.5761 What notifications must I submit and when?

§63.5764 What reports must I submit and when?

§63.5767 What records must I keep?

§63.5770 In what form and for how long must I keep my records?

Other Information You Need To Know

§63.5773 What parts of the General Provisions apply to me?

§63.5776 Who implements and enforces this subpart?

Definitions

§63.5779 What definitions apply to this subpart?

Table 1 to Subpart VVVV - Compliance Dates for New and Existing Boat Manufacturing Facilities

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

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

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

Not applicable.

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

Table 6 to Subpart VVVV - Default Organic HAP Contents of Petroleum Solvent Groups

Table 7 to Subpart VVVV - Applicability and Timing of Notifications

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

[Rule 62-204.800, F.A.C.; 40 CFR 63, Subparts A and VVVV]

Subsection B. Emissions Unit No. 002 –Emergency Spark Ignition (SI) RICE Engine

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

EU No.	Brief Description
002	Emergency Spark Ignition (SI) RICE Engine - A Subaru Robin Y-6F-JXS 2872 GA gasoline engine is used only in situations of facility wide loss of power. It was manufactured in April 2006.

This emissions unit consists of the following Emergency Engine:

Description	Manufacturer	Model No.	Power (bhp)	Date of Construction
Robin-Coleman Generator	Subaru	EX300D520117036	9.5	Before 6/12/2006

Federal Rule Requirements

B.1. 40 CFR 63, Subpart ZZZZ Requirements. The existing emergency spark ignition engine at a major source included in this emissions unit is subject to the applicable requirements contained in 40 CFR 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines and 40 CFR 63, Subpart A - General Provisions. The applicable requirements for the engine (based on the facility NESHAP source status of "major", engine category and horse power (HP) rating) are shown in Appendix NESHAP - 40 CFR 63, Subpart ZZZZ - Summary of Requirements.

{Permitting Note - See "Appendix NESHAP-40 CFR 63, Subpart A" and "Appendix NESHAP-40 CFR 63, Subpart ZZZZ"}

[Rule 62-4.070(3), F.A.C.; 40 CFR 63 Subpart A and 40 CFR 63 (Subpart ZZZZ)]

Essential Potential to Emit (PTE) Parameters

B.2. Hours of Operation. The permittee must operate this emissions unit according to the requirements in 40 CFR 63.6640(f)(1) through (3). In order for each engine to be considered an emergency stationary RICE under 40 CFR 63, Subpart ZZZZ, any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year (per engine), as described in 40 CFR 63.6640(f)(1) through (3), is prohibited. If each engine is not operated according to the requirements in 40 CFR 63.6640(f)(1) through (3), the engines will not be considered an emergency engine under 40 CFR 63, Subpart ZZZZ and must meet all requirements for non-emergency engines.

For each engine listed in this emissions unit:

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

(2) Operation of emergency stationary RICE for any combination of the purposes specified in 40 CFR 63.6640(f)(2)(i) through (iii) of this section for a maximum of 100 hours per calendar year is allowed. Any operation for non-emergency situations as allowed by 40 CFR 63.6640(f)(3) of this section counts as part of the 100 hours per calendar year allowed by 40 CFR 63.6640(f)(2).

(i) - Emergency stationary RICE may be operated for 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 calendar year.

(ii) - 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 § 63.14), 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) - 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) Emergency stationary RICE located at major sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in 40 CFR 63.6640(f)(2). The 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, 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.

[Rule 62-210.200 (Potential to Emit), F.A.C., 40 CFR 63.6640(f)]

Operational and Maintenance Requirements

B.3. The permittee shall comply with the requirements in 40 CFR 63, Subpart ZZZZ, Table 2c, Item 6 listed below:

O&M Requirements For Existing Spark Ignition Stationary Rice ≤500 Hp Located At A Major Source Of HAP Emissions	
a.	Change oil and filter every 500 hours of operation or annually, whichever comes first
b.	Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first, and replace as necessary;
c.	Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.

[40 CFR 63.6602 and Table 2c (Subpart ZZZZ)]

B.4. The permittee shall comply with the following monitoring, installation operational and maintenance requirements:

a. The permittee must operate and maintain the stationary RICE and after-treatment control device (if any) 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:

b. The permittee must install a non-resettable hour meter if one is not already installed.

c. The permittee you 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 Tables 1a, 2a, 2c, and 2d of Subpart ZZZZ apply.

[40 CFR 63.6625(e), (f) & (h) (Subpart ZZZZ)]

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 40 CFR 63, Subpart A – General Provisions

Appendix NESHAP 40 CFR 63, Subpart VVVV - National Emission Standards for Hazardous Air Pollutants for Boat Manufacturing

Appendix NESHAP 40 CFR 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)

Appendix NESHAP 40 CFR 63 – Subpart ZZZZ Requirements

Appendix RR, Facility-wide Reporting Requirements

Appendix TV, Title V General Conditions

REFERENCED ATTACHMENTS

The Following Appendices Are included for Applicant Convenience:

Statement of Basis

Table H, Permit History