

ENVIRONMENTAL PROTECTION COMMISSION OF
HILLSBOROUGH COUNTY, as Delegated by

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF PERMIT ISSUANCE

CERTIFIED MAIL

Mr. Frank Garfi
Director of Facilities
H. Lee Moffitt Cancer Center
12902 Magnolia Drive
Tampa, FL 33612

File No.: 0571269-007-AO
County: Hillsborough

Enclosed is Air Operating (AO) Permit No. 0571269-007-AO for the operation of three (3) boilers and seven (7) diesel powered generators located at 12902 Magnolia Drive, Tampa, Florida 33612, issued pursuant to Section 403.087, Florida Statutes. Please read this new permit thoroughly as there are changes from the previous permit.

The EPC will issue the final permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to Section 120.569 and 120.57 F.S. before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Legal Department of the EPC at 3629 Queen Palm Drive, Tampa, Florida 33619, Phone 813-627-2600, Fax 813-627-2602. Petitions filed by the permit applicant or any of the parties listed below must be filed within 14 (fourteen) days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S. must be filed within 14 (fourteen) days of receipt of this permit. Under Section 120.60(3), however, any person who asked the EPC for notice of agency action may file a petition within 14 (fourteen) days of receipt of that notice, regardless of the date of publication.

A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the F.A.C.

A petition that disputes the material facts on which the EPC's action is based must contain the following information:

(a) The name and address of each agency affected and each agency's file or identification number if known;

(b) The name, address, and telephone number of the petitioner and the name, address, and telephone number of each petitioner's representative, if any, which shall be the address for service purposes during the course of the proceedings; and an explanation of how the petitioner's substantial interests will be affected by the EPC's determination;

(c) A statement of how and when the petitioner received notice of the EPC action;

(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;

(e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the EPC's proposed action;

(f) A statement of specific rules or statutes the petitioner contends requires reversal or modification of the EPC's proposed action; and

(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the EPC to take with respect to the EPC's proposed action.

A petition that does not dispute the material facts upon which the EPC's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above as required by Rule 28-106.301.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the EPC's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the EPC on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation under section 120.573, F.S. is not available in this proceeding.

This action is final and effective on the date filed with the Clerk of the EPC unless a petition is filed in accordance with above. Upon the timely filing of a petition, this order will not be effective until further order of the EPC.

Any person listed below may request to obtain additional information, a copy of the application (except for information entitled to confidential treatment pursuant to Section 403.111, F.S.), all relevant

supporting materials, and all other materials available to the EPC that are relevant to the permit decision. Interested persons may contact Diana M. Lee, P.E., at the above address or call (813) 627-2600, for additional information.

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Tampa, FL 33612

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Any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes, by filing a notice of appeal under rule 9.110 of the Florida rules of Appellate Procedure with the EPC's Legal Office at 3629 Queen Palm Drive, Tampa, Florida 33619 and with the clerk of the Department of Environmental Protection in the Office of General Counsel, Mail Station 35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Tampa, Florida

ENVIRONMENTAL PROTECTION COMMISSION
OF HILLSBOROUGH COUNTY

Richard D. Garrity, Ph.D.
Executive Director

RDG/KRZ/krz

cc: E. J. LeBoss – Air Observations, Inc. (via e-mail)
Jim Estler – Clean Air Consulting, Inc. (via e-mail)

CERTIFICATE OF SERVICE

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

Clerk Stamp

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to Section
120.52(11), Florida Statutes, with the
designated EPC clerk, receipt of which is
hereby acknowledged.

Clerk

Date

PERMITTEE:
H. Lee Moffitt Cancer Center
12902 Magnolia Drive
Tampa, FL 33612

PERMIT/CERTIFICATION
Permit No: 0571269-007-AO
County: Hillsborough
Expiration Date: July 20, 2017
Project: Operation of (3) Boilers and (7) RICEs

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 62-204, 62-210, 62-212, 62-296, 62-297, and 62-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the EPC and made a part hereof and specifically described as follows:

This permit authorizes the operation of three (3) identical Cleaver Brooks Boilers used to generate steam for the facility. The three boilers (Model No. OB-200-400-5), have the following serial numbers (SN): SN No.OL100475 – Boiler No.1; SN No.OL100474 – Boiler No.2 and SN No.OL103067 – Boiler No.3. The boilers are fired on natural gas as a primary fuel and on No. 2 fuel oil with less than 0.05% sulfur by weight, as a backup. The maximum combined heat input rate for the three boilers is 50.22 MMBtu/hr (16.74 MMBtu/hr each).

This permit also authorizes the operation of seven (7) diesel-powered, reciprocating internal combustion engines (RICE) for electrical power generation. The electrical power generators are run routinely to maintain readiness for providing an emergency power supply, and also they are enrolled in the *Demand Response* program offered by the public utility, Tampa Electric Company, to provide electrical power during peak energy demand periods as requested by TECO. Each generator set listed below is manufactured by Caterpillar® and is limited by the amount of fuel oil that may be consumed, annually.

GENSET*	ENGINE	SERIAL NO.	MANUFACTURE YEAR	kW RATING
MRC#1	CAT 3412	2WJ01599	1997	750
MRC#2	CAT 3412	81Z17105	1996*	500
CEP#1	CAT 3508	1FZ00814	2001	1250
CEP#2	CAT 3508	1FZ00812	2001	1250
CEP#3	CAT 3508	1FZ01695	2003	1250
MCC#1	CAT 3516	GZS00606	2005	2060
MCC#2	C32	SYC02861	2008	1000

* MCC - Moffitt Cancer Center
CEP - Central Energy Plant

MRC - Moffitt Research Center

The MCC#2 generator set was manufactured in March, 2008 and therefore is subject to 40 CFR 60, Subpart IIII (*New Source Performance Standards (NSPS) for Stationary Compression Ignition Internal Combustion Engines*). This Caterpillar® C32 Diesel Engine has a power rating of 1000-kW, a displacement < 10 liters per cylinder, and meets the US EPA Tier 2 emission standards for non-road compression ignition engines. A more stringent fuel requirement (< 0.0015% sulfur by weight) effective on October 1, 2010 is required for this engine as specified in Specific Condition No. 6.

All the RICEs, except for EU 011- MCC #2 generator, are subject to 40 CFR 63, Subpart ZZZZ (*National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines*) since they are existing and new stationary RICE located at an area source of HAPs pursuant to 40 CFR 63.6585(a) & 63.6590(a)(1)(iii) and (a)(2)(iii). The MCC #2 (EU 011) is only required to meet the requirements of the NSPS, Subpart IIII pursuant to 40 CFR 63.6590(c)(1). The applicable NESHAP requirements are included in Section D of this permit.

This facility is an area source of HAP emissions, and is subject to the requirements of 40 CFR 63, Subpart JJJJJ (*Industrial, Commercial and Institutional Boilers and Process Heaters - Area Sources*) which require initial notification no later than 120 calendar days after May 20, 2011 or within 120 days after the source becomes subject to the standard. Since the State of Florida has not adopted this regulation, this permit does not include specific conditions from this Subpart. However, the facility is responsible for compliance with this regulation.

Location: 12902 Magnolia Drive, Tampa, FL

UTM: 17-360.35 E 3105.08 N NEDS NO: 1269

EU ID: 001 – Boiler No. 1
 002 – Boiler No. 2
 003 – Boiler No. 3
 005 – MRC#1 Generator (SN: 2WJ01599)
 006 – MRC#2 Generator (SN: 81Z17105)
 007 – MCC#1 Generator (SN: GZS00606)
 008 – CEP#1 Generator (SN: 1FZ00814)
 009 – CEP#2 Generator (SN: 1FZ00812)
 010 – CEP#3 Generator (SN: 1FZ01695)
 011 – MCC#2 Generator (SN: SYC02861)

References Permit No.: 0571269-005-AC
Replace Permit Nos.: 0571269-004/006-AO

PERMITTEE:
H. Lee Moffitt Cancer Center

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PROJECT: Operation of (3) Boilers and (7) RICEs

SPECIFIC CONDITIONS:

Section A - Facility-wide Conditions

- A.1.** A part of this permit is the attached General Conditions. [Rule 62-4.160, F.A.C.]
- A.2.** All applicable rules of the Environmental Protection Commission of Hillsborough County including design discharge limitations specified in the application shall be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations prior to construction. [Rule 62-4.070(7), F.A.C.]
- A.3.** Issuance of this permit does not relieve the permittee from complying with applicable emission limiting standards or other requirements of Chapters 62-204, 62-210, 62-212, 62-296 and 62-297, F.A.C., or any other requirements under federal, state, or local law. [Rule 62-210.300, F.A.C.]
- A.4.** The permittee shall not cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor. [Rule 62-296.320(2), F.A.C.]
- A.5.** As requested by the permittee, in order to establish the facility as a synthetic minor for both criteria and Hazardous Air Pollutants (HAP), the HAP, as defined in Rule 62-210.200, F.A.C., emissions shall be less than 10 tons in any 12 consecutive month period for any individual HAP, and less than 25 tons in any 12 consecutive month period for any combination of HAPs. [Rule 62-4.070(3), F.A.C.]
- A.6.** The permittee shall notify the Air Compliance Section of the Environmental Protection Commission of Hillsborough County at least 15 days prior to the date on which each formal compliance test is to begin of the date, time, and place of each such test, and the contact person who will be responsible for coordinating and having such test conducted. [Rule 62-297.310(7)(a)9., F.A.C.]
- A.7.** All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter in accordance with the provision in Rule 62-296.320, F.A.C. These provisions are applicable to any source, including, but not limited to, vehicular movement, transportation of materials, construction, alterations, demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling. [Rule 62-296.320(c), F.A.C.]
- A.8.** When the Environmental Protection Commission of Hillsborough County (EPC) after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in Rules 62-204, 62-210, 62-212, 62-296, or 62-297, F.A.C., or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the source to conduct compliance tests which identify the nature and quantity of pollutant emissions from the source and to provide a report on the results of said tests to the EPC. [Rule 62-297.310(7)(b), F.A.C.]
- A.9.** The permittee shall notify the Air Compliance Section of the EPC at least 15 days prior to the date on which each formal compliance test is to begin of the date, time, and place of each such test, and the

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SPECIFIC CONDITIONS:

test contact person who will be responsible for coordinating and having such test conducted.
[Rule 62-297.310(7)(a)(9) and 62-297.310(8), F.A.C.]

A.10. The permittee shall provide timely notification to the Environmental Protection Commission of Hillsborough County prior to implementing any changes that may result in a modification to this permit pursuant to Rule 62-210.200, F.A.C., Modification. The changes do not include normal maintenance, but may include, and are not limited to, the following, and may also require prior authorization before implementation: [Rules 62-210.300 and 62-4.070(3), F.A.C.]

- A) Alteration or replacement of any equipment or major component of such equipment.*
- B) Installation or addition of any equipment* which is a source of air pollution.
- C) The use of materials and fuels other than those authorized in this permit.

A.11. The permittee must submit to the Environmental Protection Commission of Hillsborough County each calendar year, a completed DEP Form 62-210.900(5), "Annual Operating Report (AOR) for Air Pollutant Emitting Facility", for the preceding calendar year. The AOR shall be submitted by April 1 of the following year. [Rule 62-210.370(3), F.A.C.]

A.12. If the permittee wishes to transfer this permit to another owner, an "Application for Transfer of Permit" (DEP Form 62-210.900(7)) shall be submitted, in duplicate, to the Environmental Protection Commission of Hillsborough County within 30 days after the sale or legal transfer of the permitted facility. [Rule 62-4.120, F.A.C.]

A.13. Prior to 60 days before the expiration of this operating permit, the permittee shall apply for a renewal of the permit using the current version of the permit renewal application form and submit the most recent 3 months of records required by this permit. A renewal application shall be timely and sufficient. If the application is submitted prior to sixty days before the expiration of the permit, it will be considered timely and sufficient. If the renewal application is submitted at a later date, it will not be considered timely and sufficient unless it is submitted and made complete prior to the expiration of the operation permit. Under any circumstances if the renewal application is not deemed complete before the current operating permit expires, the agency may take enforcement action. When the application for renewal is timely and sufficient, the existing permit shall remain in effect until the renewal application has been finally acted upon by the EPC or, if there is court review of the final agency action, until a later date is required by Section 120.60, Florida Statutes. [Rules 62-4.090, F.A.C. and 62-4.070(3), F.A.C.]

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SPECIFIC CONDITIONS:

Section B – Conditions for Boilers Operation

B.1. The amount of particulate matter and sulfur dioxide emissions from the boilers shall be limited by the firing of natural gas or No. 2 fuel oil. The No. 2 fuel oil shall have a maximum sulfur content not to exceed 0.05 percent by weight. [Rule 62-296.406, F.A.C., Permit No. 0571269-001-AC and BACT Determination dated October 29, 2001]

B.2. Visible emissions shall not exceed a density of 20% opacity except for one six-minute period per hour which opacity shall not exceed 27%. [Rule 62-296.406(1), F.A.C.]

B.3. To ensure compliance with Specific Condition Nos. B.1 and B.2, the following restrictions and limitations shall apply for any consecutive twelve month period:
[Rule 62-4.070(3), F.A.C. and Permit No. 0571269-003-AO]

- A) Combined maximum fuel usage for the three boilers per 12 consecutive month period:
431 MMCF of natural gas and 3,142,338 gallons of No. 2 fuel oil.
- B) Combined maximum heat input for the three boilers: 50.22 MMBtu/hr
- C) Hours of operation are not restricted.
- D) All products of combustion must be vented through the stack.

B.4. The permittee shall comply with the following requirements for EU ID Nos. 001, 002, and 003:
[Rule 62-204.800, F.A.C.]

- A) H. Lee Moffitt Cancer Center shall furnish the EPC written notification of any physical or operational change to an existing facility which may increase the emission rate of any air pollutant to which a standard applies, unless that change is specifically exempted under an applicable subpart or in §60.14(e). This notice shall be postmarked 60 days or as soon as practicable before the change is commenced and shall include information describing the precise nature of the change, present and proposed emission control systems, productive capacity of the facility before and after the change, and the expected completion date of the change. The EPC may request additional relevant information subsequent to this notice.
[40 CFR 60.7(a)(4)]
- B) The permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or any periods during which a continuous monitoring system or monitoring device is inoperative. [40 CFR 60.7(b)]
- C) The permittee shall maintain a file of all measurements, including performance testing measurements and all other information required by this part recorded in a permanent form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports, and records. [40 CFR 60.7(f)]

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H. Lee Moffitt Cancer Center

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SPECIFIC CONDITIONS:

- D) At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the EPC which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
[40 CFR 60.11(d)]
- E) No owner or operator subject to the provisions of this part shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere. [40 CFR 60.12]

B.5. Compliance with Specific Condition No. 4 shall be demonstrated by either of the following:
[Rule 62-4.070(3) and 62-297.440, F.A.C.]

- A) Certificate of Fuel Oil Analysis* from the fuel oil vendor or a vendor shipment receipt (bill of lading) showing delivery of low sulfur oil containing a maximum of 0.05% sulfur by weight shall be maintain on-site.
- B) Certificate of Fuel Oil Analysis* for a fuel oil sample taken during the visible emission compliance test shall be submitted in conjunction with the test results.

*According to ASTM Method D-975

B.6. In order to demonstrate compliance with Specific Condition No. B.3, the permittee shall maintain a fuel flow meter in good operating condition for each fuel type. [Rule 62-4.070(3), F.A.C.]

B.7. In order to demonstrate compliance with Specific Condition No. B.3, the permittee shall maintain monthly records of operation. Records shall be kept onsite for three years and shall be made available to any local, state or federal air pollution agency upon request. At a minimum the records shall include, but not be limited to, the following: [Rules 62-4.070(3) and 62-4.160(14)(b), F.A.C.]

- A) Month, Year
- B) The total hours of operation when No. 2 fuel oil is combusted by EU 001, 002, or 003.
- C) Amount of No. 2 Fuel Oil consumed
- D) Amount of Natural Gas consumed
- E) Rolling twelve month total for the hours of operation in which No. 2 fuel oil is burned for each boiler.
- F) Rolling twelve month totals for C) and D) above

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H. Lee Moffitt Cancer Center

PERMIT/CERTIFICATION NO.: 0571269-007-AO
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SPECIFIC CONDITIONS:

G) Certificate of Fuel Oil Analyses

B.8. Test EU 001, 002, and 003 for visible emissions annually during each federal fiscal year (October 1 through September 30), with a target date of August 23rd. Since EU 001, 002, and 003 utilize the same stack, the visible emissions test may be performed simultaneously provided Specific Condition No. B.10 is met for EU 001, 002, and 003 during the test. Submit 2 copies of test data to the Air Compliance Section of the EPC within 45 days of such testing. Testing procedures shall be consistent with the requirements of 40 CFR 60 and Rule 62-297, F.A.C.

B.9. An annual visible emissions test shall be conducted while it is running on No. 2 diesel oil, if the specific boiler has burned diesel oil for more than 400 hours in the previous 12 months, otherwise it shall be conducted while burning natural gas. EPA Method 9 contained in 40 CFR 60, Appendix A and adopted by reference in Rule 62-297, F.A.C. shall be used to test for compliance. Test results must include the sulfur content of the fuel if No. 2 diesel oil is burned. The EPA Method 9 test shall be at least 60 minutes in duration. The minimum requirements for stack sampling facilities, source sampling and reporting, shall be in accordance with Rule 62-297, F.A.C. and 40 CFR 60, Appendix A.

[Rules 62-4.070(3) and 62-297.310(7)(a)3, F.A.C.]

B.10. Compliance testing of a boiler must be accomplished during a period when it is cycling up to a normal high firing rate or is continuously operated at capacity. Capacity is defined as 90-100% of 16.74 MMBtu/hr per boiler or 50.22 MMBtu/hr for all three boilers combined. If it is impracticable to test at capacity, then the boiler may be tested at less than capacity; in this case subsequent operation is limited to 110% of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than fifteen days for purposes of additional compliance testing to regain the rated capacity in the permit, with prior notification to the EPC. The permittee shall submit a statement of the operating mode as part of the compliance test. Failure to submit an operation mode statement or operating at conditions which do not reflect the normal operating conditions may invalidate the data.

[Rules 62-4.070(3) and 62-297.310(2)(b), F.A.C.]

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SPECIFIC CONDITIONS:

Section C – Conditions for (7) RICE Operation

C.1. As requested by the permittee, the maximum diesel fuel oil usage for each RICE in any consecutive 12-month periods, is as follows:

EU No.	GENSET	GALLONS
005	MRC#1	23,100
006	MRC#2	23,000
007	MCC#1	24,900
008	CEP#1	21,100
009	CEP#2	21,100
010	CEP#3	21,100
011	MCC#2	52,200

[Rule 62-4.070(3), F.A.C. and Permit No. 0571269-005-AC]

C.2. In order to comply with Specific Condition No. C.1, the permittee shall use only diesel fuel oil with a sulfur content not exceeding 0.05 percent (500 ppm), by weight. In addition, the diesel fuel fired in generator set MCC#2 (EU 011), shall meet the requirements of 40 CFR 80.510(b). Whereby, the sulfur content shall not exceed 0.0015 percent (15 ppm) by weight and either; a minimum cetane index of 40 or maximum aromatic content of 35 percent by volume.

[Rule 62-4.070(3), F.A.C. and 40 CFR 60.4207(a)]

C.3. Visible emissions from the exhaust stack of each RICE shall not have opacity equal to or greater than 20 percent. [Rule 62-296.320(4)(b), F.A.C., and Chapter 1-3.52, Rules of the EPC]

C.4. Test each RICE exhaust stack, at the point of highest opacity, for visible emission annually during each federal fiscal year (October 1 through September 30), with a target date of August 23rd. The permittee shall submit two copies of the test report to the Air Compliance Section of the EPC within 45 days of such testing. The EPA Method 9 test shall be at least thirty (30) minutes in duration and the observation at a point where the highest emissions are expected to occur. Testing procedures shall be consistent with the requirements of 40 CFR 60, Appendix A and Rule 62-297, F.A.C.

[Rule 62-297.310(7), F.A.C., and Chapter 1-3.52, Rules of the EPC]

C.5. Compliance testing of the RICE shall be conducted when it is operating at maximum capacity. The maximum capacity is defined as operating within 90-100% load, identified as the manufacturer's power rating (kW) or fuel consumption (gal/hr). All tests shall be conducted while operating on diesel fuel oil. If it is impracticable to test at capacity, then the RICE may be tested at less than capacity; in this case subsequent operation is limited to 110% of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than fifteen days for purposes of additional compliance testing to regain the rated capacity in the permit, with prior notification to the EPC. The permittee shall submit a statement of the operating mode and *Certificate of*

PERMITTEE:
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SPECIFIC CONDITIONS:

Fuel Oil Analysis as part of the compliance test report. Failure to submit an operation mode statement or operating conditions which do not reflect the normal operating conditions may invalidate the test. [Rule 62-297.310(2), F.A.C.]

C.6. In order to demonstrate continuous compliance with Specific Condition C.1, the permittee shall maintain monthly records of operation. Records shall be kept onsite for three years and shall be made available to any local, state or federal air pollution agency upon request. At a minimum the records shall include, but not be limited to, the following: [Rules 62-4.070(3) and 62-4.160(14)(b), F.A.C.]

- A) Month and Year of record;
- B) Amount of diesel fuel consumed, monthly, for each RICE;
- C) Monthly hours of operation for each RICE;
- D) The 12-month rolling total for items B and C, above.

PERMITTEE:
H. Lee Moffitt Cancer Center

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SPECIFIC CONDITIONS:

Section D – NESHAP Subpart ZZZZ Conditions Apply for Following RICES

EU 005 - MRC # 1 GENERATOR	1,500 KW	2,012 HP
EU 006 - MRC # 2 GENERATOR	750 KW	1,006 HP
EU 007 - MCC # 1 GENERATOR	2,060 KW	2,763 HP
EU 008 - CEP # 1 GENERATOR	1,250 KW	1,676 HP
EU 009 - CEP # 2 GENERATOR	1,250 KW	1,676 HP
EU 010 - CEP # 3 GENERATOR	1,250 KW	1,676 HP

D.1. The facility is subject to 40 CFR 63, Subpart ZZZZ, if the facility owns/operates a stationary RICE at an area source of HAP emissions. A stationary RICE is any internal combustion engine which uses reciprocating motion to convert heat energy into mechanical work and which is not mobile. [Rule 62-204.800, F.A.C. and 40 CFR 63.6585(a)]

D.2. EU 011 – MCC#2 Generator (SN: SYC02861) is a new stationary RICE located at an area source of HAP and must meet the requirements of 40 CFR 63, Subpart ZZZZ by meeting the requirements of 40 CFR part 60 Subpart IIII. No further requirements apply for this engine under this Subpart. [Rule 62-204.800, F.A.C. and 40 CFR 63.6590(c)(1)]

D.3. If the facility has existing stationary CI RICE located at an area source of HAP emissions, the facility must comply with the applicable emission limitations and operating limitations no later than May 3, 2013. [Rule 62-204.800, F.A.C. and 40 CFR 63.6595(a)(1)]

D.4. Compliance with the numerical emission limitations established in 40 CFR 63, Subpart ZZZZ is based on the results of testing the average of three 1-hour runs using the testing requirements and procedures in 40 CFR 63.6620 and Table 4 to this Subpart.

(a) Since the facility owns/operates existing stationary RICE located at an area source of HAP emissions, the facility must comply with the requirements in Table 2d to this Subpart and the operating limitations in Table 1b and Table 2b to this Subpart that apply to the facility. [Rule 62-204.800, F.A.C. and 40 CFR 63.6603(a)]

D.5. If the facility owns/operates existing non-emergency, non-black start CI stationary RICE with a site rating of more than 300 brake HP with a displacement of less than 30 liters per cylinder that uses diesel fuel, the facility must use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel. [Rule 62-204.800, F.A.C. and 40 CFR 63.6604]

D.6. The facility must be in compliance with the emission limitations and operating limitations in this Subpart that apply to the facility. At all times the facility must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent

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with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require the facility 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 EPC 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.

[Rule 62-204.800, F.A.C. and 40 CFR 63.6605]

D.7. The facility must conduct an initial performance test or other initial compliance demonstration according to Tables 4 and 5 to this Subpart that apply to the facility within 180 days after the compliance date, May 3, 2013, and according to the provisions in 40 CFR 63.7(a)(2).

[Rule 62-204.800, F.A.C. and 40 CFR 63.6612(a)]

D.8. If the facility must comply with the emission limitations and operating limitations, the facility must conduct subsequent performance tests as specified in Table 3 of this Subpart.

[Rule 62-204.800, F.A.C. and 40 CFR 63.6615]

D.9. The facility shall use the following applicable performance tests and procedures:

[Rule 62-204.800, F.A.C. and 40 CFR 63.6620]

(a) The facility must conduct each performance test in Tables 3 and 4 of this Subpart that applies to the facility.

(b) Each performance test must be conducted according to the requirements that this subpart specifies in Table 4 to this subpart. If the facility owns or operates a non-operational stationary RICE that is subject to performance testing, the facility does not need to start up the engine solely to conduct the performance test. Owners and operators of a non-operational engine can conduct the performance test when the engine is started up again.

(c) [Reserved]

(d) The facility must conduct three separate test runs for each performance test required in this section, as specified in 40 CFR 63.7(e)(3). Each test run must last at least 1 hour.

(e) (1) The facility must use Equation 1 of this section to determine compliance with the percent reduction requirement:

$$\frac{C_i - C_o}{C_i} \times 100 = R \quad (\text{Eq. 1})$$

Where:

C_i = concentration of CO or formaldehyde at the control device inlet,

C_o = concentration of CO or formaldehyde at the control device outlet, and

R = percent reduction of CO or formaldehyde emissions.

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(2) The facility must normalize the carbon monoxide (CO) or formaldehyde concentrations at the inlet and outlet of the control device to a dry basis and to 15 percent oxygen, or an equivalent percent carbon dioxide (CO₂). If pollutant concentrations are to be corrected to 15 percent oxygen and CO₂ concentration is measured in lieu of oxygen concentration measurement, a CO₂ correction factor is needed. Calculate the CO₂ correction factor as described in paragraphs (e)(2)(i) through (iii) of this section.

(i) Calculate the fuel-specific F_o value for the fuel burned during the test using values obtained from Method 19, section 5.2, and the following equation:

$$F_o = \frac{0.209 F_d}{F_c} \quad (\text{Eq. 2})$$

Where:

F_o = Fuel factor based on the ratio of oxygen volume to the ultimate CO₂ volume produced by the fuel at zero percent excess air.

0.209 = Fraction of air that is oxygen, percent/100.

F_d = Ratio of the volume of dry effluent gas to the gross calorific value of the fuel from Method 19, dsm³/J (dscf/10⁶ Btu).

F_c = Ratio of the volume of CO₂ produced to the gross calorific value of the fuel from Method 19, dsm³/J (dscf/10⁶ Btu).

(ii) Calculate the CO₂ correction factor for correcting measurement data to 15 percent oxygen, as follows:

$$X_{co_2} = \frac{5.9}{F_o} \quad (\text{Eq. 3})$$

Where:

X_{co2} = CO₂ correction factor, percent.

5.9 = 20.9 percent O₂ - 15 percent O₂, the defined O₂ correction value, percent.

(iii) Calculate the NO_x and SO₂ gas concentrations adjusted to 15 percent O₂ using CO₂ as follows:

$$C_{adj} = C_d \frac{X_{co_2}}{\%CO_2} \quad (\text{Eq. 4})$$

Where:

%CO₂ = Measured CO₂ concentration measured, dry basis, percent.

(f) If the facility complies with the emission limitation to reduce CO and the facility is not using an oxidation catalyst, if the facility complies with the emission limitation to reduce formaldehyde and the facility are not using NSCR, or if the facility complies with the emission limitation to limit the concentration of formaldehyde in the stationary RICE exhaust and the facility is not using an oxidation catalyst or NSCR, the facility must petition the Administrator for operating limitations to be established during the initial performance test and continuously monitored thereafter; or for approval of no

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operating limitations. The facility must not conduct the initial performance test until after the petition has been approved by the Administrator.

(g) If the facility petitions the EPC for approval of operating limitations, the facility's petition must include the information described in paragraphs (g)(1) through (5) of this section.

(1) Identification of the specific parameters the facility proposes to use as operating limitations;

(2) A discussion of the relationship between these parameters and HAP emissions, identifying how HAP emissions change with changes in these parameters, and how limitations on these parameters will serve to limit HAP emissions;

(3) A discussion of how the facility will establish the upper and/or lower values for these parameters which will establish the limits on these parameters in the operating limitations;

(4) A discussion identifying the methods the facility will use to measure and the instruments the facility will use to monitor these parameters, as well as the relative accuracy and precision of these methods and instruments; and

(5) A discussion identifying the frequency and methods for recalibrating the instruments the facility will use for monitoring these parameters.

(h) If the facility petitions the EPC for approval of no operating limitations, the facility's petition must include the information described in paragraphs (h)(1) through (7) of this section.

(1) Identification of the parameters associated with operation of the stationary RICE and any emission control device which could change intentionally (*e.g.*, operator adjustment, automatic controller adjustment, etc.) or unintentionally (*e.g.*, wear and tear, error, etc.) on a routine basis or over time;

(2) A discussion of the relationship, if any, between changes in the parameters and changes in HAP emissions;

(3) For the parameters which could change in such a way as to increase HAP emissions, a discussion of whether establishing limitations on the parameters would serve to limit HAP emissions;

(4) For the parameters which could change in such a way as to increase HAP emissions, a discussion of how the facility could establish upper and/or lower values for the parameters which would establish limits on the parameters in operating limitations;

(5) For the parameters, a discussion identifying the methods the facility could use to measure them and the instruments the facility could use to monitor them, as well as the relative accuracy and precision of the methods and instruments;

(6) For the parameters, a discussion identifying the frequency and methods for recalibrating the instruments the facility could use to monitor them; and

(7) A discussion of why, from the facility's point of view, it is infeasible or unreasonable to adopt the parameters as operating limitations.

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(i) The engine percent load during a performance test must be determined by documenting the calculations, assumptions, and measurement devices used to measure or estimate the percent load in a specific application. A written report of the average percent load determination must be included in the notification of compliance status. The following information must be included in the written report: the engine model number, the engine manufacturer, the year of purchase, the manufacturer's site-rated brake horsepower, the ambient temperature, pressure, and humidity during the performance test, and all assumptions that were made to estimate or calculate percent load during the performance test must be clearly explained. If measurement devices such as flow meters, kilowatt meters, beta analyzers, stain gauges, etc. are used, the model number of the measurement device, and an estimate of its accurate in percentage of true value must be provided.

D.10. Monitoring, installation, collection, operation, and maintenance requirements.
[Rule 62-204.800, F.A.C. and 40 CFR 63.6625]

(a) If the facility elects to install a CEMS as specified in Table 5 of this subpart, the facility must install, operate, and maintain a CEMS to monitor CO and either oxygen or CO₂ at both the inlet and the outlet of the control device according to the requirements in paragraphs (a)(1) through (4) of this section.

(1) Each CEMS must be installed, operated, and maintained according to the applicable performance specifications of 40 CFR part 60, appendix B.

(2) The facility must conduct an initial performance evaluation and an annual relative accuracy test audit (RATA) of each CEMS according to the requirements in §63.8 and according to the applicable performance specifications of 40 CFR part 60, appendix B as well as daily and periodic data quality checks in accordance with 40 CFR part 60, appendix F, procedure 1.

(3) As specified in §63.8(c)(4)(ii), each CEMS must complete a minimum of one cycle of operation (sampling, analyzing, and data recording) for each successive 15-minute period. The facility must have at least two data points, with each representing a different 15-minute period, to have a valid hour of data.

(4) The CEMS data must be reduced as specified in §63.8(g)(2) and recorded in parts per million or parts per billion (as appropriate for the applicable limitation) at 15 percent oxygen or the equivalent CO₂ concentration.

(b) If the facility is required to install a continuous parameter monitoring system (CPMS) as specified in Table 5 of this subpart, the facility must install, operate, and maintain each CPMS according to the requirements in paragraphs (b)(1) through (5) of this section. For an affected source that is complying with the emission limitations and operating limitations on March 9, 2011, the requirements in paragraph (b) of this section are applicable September 6, 2011.

(1) The facility must prepare a site-specific monitoring plan that addresses the monitoring system design, data collection, and the quality assurance and quality control elements outlined in paragraphs (b)(1)(i) through (v) of this section and in §63.8(d). As specified in §63.8(f)(4), the facility may request approval of monitoring system quality assurance and quality control

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procedures alternative to those specified in paragraphs (b)(1) through (5) of this section in the facility's site-specific monitoring plan.

(i) The performance criteria and design specifications for the monitoring system equipment, including the sample interface, detector signal analyzer, and data acquisition and calculations;

(ii) Sampling interface (*e.g.*, thermocouple) location such that the monitoring system will provide representative measurements;

(iii) Equipment performance evaluations, system accuracy audits, or other audit procedures;

(iv) Ongoing operation and maintenance procedures in accordance with provisions in §63.8(c)(1) and (c)(3); and

(v) Ongoing reporting and recordkeeping procedures in accordance with provisions in §63.10(c), (e)(1), and (e)(2)(i).

(2) The facility must install, operate, and maintain each CPMS in continuous operation according to the procedures in the facility's site-specific monitoring plan.

(3) The CPMS must collect data at least once every 15 minutes (see also §63.6635).

(4) For a CPMS for measuring temperature range, the temperature sensor must have a minimum tolerance of 2.8 degrees Celsius (5 degrees Fahrenheit) or 1 percent of the measurement range, whichever is larger.

(5) The facility must conduct the CPMS equipment performance evaluation, system accuracy audits, or other audit procedures specified in the facility's site-specific monitoring plan at least annually.

(6) The facility must conduct a performance evaluation of each CPMS in accordance with the facility's site-specific monitoring plan.

(c) Reserved.

(d) Reserved.

(e) Reserved.

(f) Reserved.

(g) If the facility owns or operates an existing non-emergency, non-black start CI engine greater than or equal to 300 HP that is not equipped with a closed crankcase ventilation system, the facility must comply with either paragraph (g)(1) or paragraph (g)(2) of this section. Owners and operators must follow the manufacturer's specified maintenance requirements for operating and maintaining the open or closed crankcase ventilation systems and replacing the crankcase filters, or can request the Administrator to approve different maintenance requirements that are as protective as manufacturer requirements. Existing CI engines located at area sources in areas of Alaska not accessible by the FAHS do not have to meet the requirements of paragraph (g) of this section.

(1) Install a closed crankcase ventilation system that prevents crankcase emissions from being emitted to the atmosphere, or

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(2) Install an open crankcase filtration emission control system that reduces emissions from the crankcase by filtering the exhaust stream to remove oil mist, particulates, and metals.

(h) If the facility operates a new, reconstructed, or existing stationary engine, the facility 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 to this Subpart apply.

(i) If the facility owns or operates a stationary CI engine that is subject to the work, operation or management practices in items 1 or 2 of Table 2c to this Subpart or in items 1 or 4 of Table 2d to this Subpart, the facility has the option of utilizing an oil analysis program in order to extend the specified oil change requirement in Tables 2c and 2d to this subpart. The oil analysis must be performed at the same frequency specified for changing the oil in Table 2c or 2d to this subpart. 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.

(j) Reserved.

D.11. Demonstration of initial compliance with the emission limitations and operating limitations.
[Rule 62-204.800, F.A.C. and 40 CFR 63.6630]

(a) The facility must demonstrate initial compliance with each emission and operating limitation that applies to the facility according to Table 5 of this Subpart.

(b) During the initial performance test, the facility must establish each operating limitation in Tables 1b and 2b of this Subpart that applies to the facility.

(c) The facility must submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 6645.

D.12. Monitoring and collecting data requirements for demonstration of continuous compliance
[Rule 62-204.800, F.A.C. and 40 CFR 63.6635]

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(a) If the facility must comply with emission and operating limitations, the facility must monitor and collect data according to this section.

(b) Except for monitor malfunctions, associated repairs, required performance evaluations, and required quality assurance or control activities, the facility must monitor continuously at all times that the stationary RICE is operating. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

(c) The facility may not use data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities in data averages and calculations used to report emission or operating levels. The facility must, however, use all the valid data collected during all other periods.

D.13. Demonstration of continuous compliance with the emission limitations and operating limitations [Rule 62-204.800, F.A.C. and 40 CFR 63.6640]

(a) The facility must demonstrate continuous compliance with each emission limitation and operating limitation in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this Subpart that apply to the facility according to methods specified in Table 6 to this Subpart.

(b) The facility must report each instance in which the facility did not meet each emission limitation or operating limitation in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to this subpart that apply to the facility. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in 40 CFR 63.6650. If the facility changes the catalyst, the facility must reestablish the values of the operating parameters measured during the initial performance test. When the facility reestablishes the values of the facility's operating parameters, the facility must also conduct a performance test to demonstrate that the facility is meeting the required emission limitation applicable to the facility's stationary RICE.

(c) [Reserved]

(d) For new, reconstructed, and rebuilt stationary RICE, deviations from the emission or operating limitations that occur during the first 200 hours of operation from engine startup (engine burn-in period) are not violations. Rebuilt stationary RICE means a stationary RICE that has been rebuilt as that term is defined in 40 CFR 94.11(a).

(e) Reserved.

D.14. Notifications submittal requirements [Rule 62-204.800, F.A.C. and 40 CFR 63.6645]

(a) The facility must submit all of the notifications in §§63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply to the facility by the dates specified if the facility owns or operates any of the following;

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(1) An existing stationary RICE located at an area source of HAP emissions.

(2) This requirement does not apply if the facility owns or operates an existing stationary RICE less than 100 HP, an existing stationary emergency RICE, or an existing stationary RICE that is not subject to any numerical emission standards.

(b) If the facility is required to submit an Initial Notification but are otherwise not affected by the requirements of this subpart, in accordance with §63.6590(b), the facility's notification should include the information in §63.9(b)(2)(i) through (v), and a statement that the facility's stationary RICE has no additional requirements and explain the basis of the exclusion (for example, that it operates exclusively as an emergency stationary RICE if it has a site rating of more than 500 brake HP located at a major source of HAP emissions).

(c) If the facility is required to conduct a performance test, the facility must submit a Notification of Intent to conduct a performance test at least 60 days before the performance test is scheduled to begin as required in §63.7(b)(1).

(d) If the facility is required to conduct a performance test or other initial compliance demonstration as specified in Tables 4 and 5 to this subpart, the facility must submit a Notification of Compliance Status according to §63.9(h)(2)(ii).

(1) For each initial compliance demonstration required in Table 5 to this subpart that does not include a performance test, the facility must submit the Notification of Compliance Status before the close of business on the 30th day following the completion of the initial compliance demonstration.

(2) For each initial compliance demonstration required in Table 5 to this subpart that includes a performance test conducted according to the requirements in Table 3 to this subpart, the facility must submit the Notification of Compliance Status, including the performance test results, before the close of business on the 60th day following the completion of the performance test according to §63.10(d)(2).

D.15. Reports submittal requirement

[Rule 62-204.800, F.A.C. and 40 CFR 63.6650]

(a) The facility must submit each report in Table 7 of this subpart that applies to the facility.

(b) Unless the EPC has approved a different schedule for submission of reports under §63.10(a), the facility must submit each report by the date in Table 7 of this subpart and according to the requirements in paragraphs (b)(1) through (b)(9) of this section.

(1) For semiannual Compliance reports, the first Compliance report must cover the period beginning on the compliance date that is specified for the facility's affected source in 40 CFR 63.6595 and ending on June 30 or December 31, whichever date is the first date following the end of the first calendar half after the compliance date that is specified for the facility's source in 40 CFR 63.6595.

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(2) For semiannual Compliance reports, the first Compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date follows the end of the first calendar half after the compliance date that is specified for the facility's affected source in 40 CFR 63.6595.

(3) For semiannual Compliance reports, each subsequent Compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.

(4) For semiannual Compliance reports, each subsequent Compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

(5) For each stationary RICE that is subject to permitting regulations pursuant to 40 CFR part 70 or 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6 (a)(3)(iii)(A), the facility may submit the first and subsequent Compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (b)(1) through (b)(4) of this section.

(6) For annual Compliance reports, the first Compliance report must cover the period beginning on the compliance date that is specified for the facility's affected source in §63.6595 and ending on December 31.

(7) For annual Compliance reports, the first Compliance report must be postmarked or delivered no later than January 31 following the end of the first calendar year after the compliance date that is specified for the facility's affected source in §63.6595.

(8) For annual Compliance reports, each subsequent Compliance report must cover the annual reporting period from January 1 through December 31.

(9) For annual Compliance reports, each subsequent Compliance report must be postmarked or delivered no later than January 31.

(c) The Compliance report must contain the information in paragraphs (c)(1) through (6) of this section.

(1) Company name and address.

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

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

(4) If the facility had a malfunction during the reporting period, the compliance report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with §63.6605(b), including actions taken to correct a malfunction.

(5) If there are no deviations from any emission or operating limitations that apply to the facility, a statement that there were no deviations from the emission or operating limitations during the reporting period.

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(6) If there were no periods during which the continuous monitoring system (CMS), including CEMS and CPMS, was out-of-control, as specified in §63.8(c)(7), a statement that there were no periods during which the CMS was out-of-control during the reporting period.

(d) For each deviation from an emission or operating limitation that occurs for a stationary RICE where the facility is not using a CMS to comply with the emission or operating limitations in this subpart, the Compliance report must contain the information in paragraphs (c)(1) through (4) of this section and the information in paragraphs (d)(1) and (2) of this section.

(1) The total operating time of the stationary RICE at which the deviation occurred during the reporting period.

(2) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

(e) For each deviation from an emission or operating limitation occurring for a stationary RICE where the facility is using a CMS to comply with the emission and operating limitations in this subpart, the facility must include information in paragraphs (c)(1) through (4) and (e)(1) through (12) of this section.

(1) The date and time that each malfunction started and stopped.

(2) The date, time, and duration that each CMS was inoperative, except for zero (low-level) and high-level checks.

(3) The date, time, and duration that each CMS was out-of-control, including the information in §63.8(c)(8).

(4) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of malfunction or during another period.

(5) A summary of the total duration of the deviation during the reporting period, and the total duration as a percent of the total source operating time during that reporting period.

(6) A breakdown of the total duration of the deviations during the reporting period into those that are due to control equipment problems, process problems, other known causes, and other unknown causes.

(7) A summary of the total duration of CMS downtime during the reporting period, and the total duration of CMS downtime as a percent of the total operating time of the stationary RICE at which the CMS downtime occurred during that reporting period.

(8) An identification of each parameter and pollutant (CO or formaldehyde) that was monitored at the stationary RICE.

(9) A brief description of the stationary RICE.

(10) A brief description of the CMS.

(11) The date of the latest CMS certification or audit.

(12) A description of any changes in CMS, processes, or controls since the last reporting period.

D.16. Recordkeeping requirement

[Rule 62-204.800, F.A.C. and 40 CFR 63.6655]

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(a) If the facility must comply with the emission and operating limitations, the facility must keep the records described in paragraphs (a)(1) through (a)(5), (b)(1) through (b)(3) and (c) of this section.

(1) A copy of each notification and report that the facility submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that the facility submitted, according to the requirement in §63.10(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) Records of performance tests and performance evaluations as required in 40 CFR 63.10(b)(2)(viii).

(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 CFR 63.6605(b), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

(b) For each CEMS or CPMS, the facility must keep the records listed in paragraphs (b)(1) through (3) of this section.

(1) Records described in 40 CFR 63.10(b)(2)(vi) through (xi).

(2) Previous (*i.e.*, superseded) versions of the performance evaluation plan as required in 40 CFR 63.8(d)(3).

(3) Requests for alternatives to the relative accuracy test for CEMS or CPMS as required in 40 CFR 63.8(f)(6)(i), if applicable.

(c) Reserved.

(d) The facility must keep the records required in Table 6 of this subpart to show continuous compliance with each emission or operating limitation that applies to the facility.

(e) The facility must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the facility operated and maintained the stationary RICE and after-treatment control device (if any) according to the facility's own maintenance plan if the facility own or operate any of the following stationary RICE;

(1) An existing stationary RICE with a site rating of less than 100 brake HP located at a major source of HAP emissions.

(2) An existing stationary emergency RICE.

(3) An existing stationary RICE located at an area source of HAP emissions subject to management practices as shown in Table 2d to this subpart.

(f) If the facility owns or operates any of the stationary RICE in paragraphs (f)(1) or (2) of this section, the facility must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for

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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 time the engine was operated as part of demand response.

(1) An existing emergency stationary RICE with a site rating of less than or equal to 500 brake HP located at a major source of HAP emissions that does not meet the standards applicable to non-emergency engines.

(2) An existing emergency stationary RICE located at an area source of HAP emissions that does not meet the standards applicable to non-emergency engines.

D.17. Additional recordkeeping requirement
[Rule 62-204.800, F.A.C. and 40 CFR 63.6660]

(a) The facility's 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), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) The facility must keep each record 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).

D.18. Definitions

Terms and definitions used in this Subpart ZZZZ are defined under 40 CFR 63.6675.

Tables to this Subpart are attached to this permit.

[Rule 62-204.800, F.A.C. and 40 CFR 63.6675]

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Table 2b to Subpart ZZZZ of Part 63— Operating Limitations for Existing Compression Ignition Stationary RICE >500 HP and Existing 4SLB Stationary RICE >500 HP Located at an Area Source of HAP Emissions

As stated in 40 CFR 63.6600, 63.6601, 63.6603, 63.6630, and 63.6640, the facility must comply with the following operating limitations for existing compression ignition stationary RICE >500 HP; and existing 4SLB stationary RICE >500 HP located at an area source of HAP emissions that operate more than 24 hours per calendar year:

For each . . .	You must meet the following operating limitation . . .
1. 2SLB and 4SLB stationary RICE and CI stationary RICE complying with the requirement to reduce CO emissions and using an oxidation catalyst; or 2SLB and 4SLB stationary RICE and CI stationary RICE complying with the requirement to limit the concentration of formaldehyde in the stationary RICE exhaust and using an oxidation catalyst; or 4SLB stationary RICE and CI stationary RICE complying with the requirement to limit the concentration of CO in the stationary RICE exhaust and using an oxidation catalyst	a. maintain your catalyst so that the pressure drop across the catalyst does not change by more than 2 inches of water at 100 percent load plus or minus 10 percent from the pressure drop across the catalyst that was measured during the initial performance test; and b. maintain the temperature of your stationary RICE exhaust so that the catalyst inlet temperature is greater than or equal to 450 °F and less than or equal to 1350 °F. ¹
2. 2SLB and 4SLB stationary RICE and CI stationary RICE complying with the requirement to reduce CO emissions and not using an oxidation catalyst; or 2SLB and 4SLB stationary RICE and CI stationary RICE complying with the requirement to limit the concentration of formaldehyde in the stationary RICE exhaust and not using an oxidation catalyst; or 4SLB stationary RICE and CI stationary RICE complying with the requirement to limit the concentration of CO in the stationary RICE exhaust and not using an oxidation catalyst	Comply with any operating limitations approved by the Administrator.

SLB – Stroke Lean Born
SRB – Stroke Rich Born

Table 2d to Subpart ZZZZ of Part 63— Requirements for Existing Stationary RICE Located at Area Sources of HAP Emissions

As stated in 40 CFR 63.6603 and 63.6640, the facility must comply with the following requirements for existing stationary RICE located at area sources of HAP emissions:

For each . . .	You must meet the following requirement, except during periods of startup . . .	During periods of startup you must . . .
3. Non-Emergency, non-black start CI stationary RICE >500 HP	a. Limit concentration of CO in the stationary RICE exhaust to 23	

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	ppmvd at 15 percent O ₂ ; or	
	b. Reduce CO emissions by 70 percent or more.	
5. Emergency stationary SI RICE; black start stationary SI RICE; non-emergency, non-black start 4SLB stationary RICE >500 HP that operate 24 hours or less per calendar year; non-emergency, non-black start 4SRB stationary RICE >500 HP that operate 24 hours or less per calendar year. ²	a. Change oil and filter every 500 hours of operation or annually, whichever comes first; ¹ b. Inspect spark plugs every 1,000 hours of operation or annually, whichever comes first; and c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.	
8. Non-emergency, non-black start 4SLB stationary RICE >500 HP	a. Limit concentration of CO in the stationary RICE exhaust to 47 ppmvd at 15 percent O ₂ ; or	
	b. Reduce CO emissions by 93 percent or more.	
10. Non-emergency, non-black start 4SRB stationary RICE >500 HP	a. Limit concentration of formaldehyde in the stationary RICE exhaust to 2.7 ppmvd at 15 percent O ₂ ; or	
	b. Reduce formaldehyde emissions by 76 percent or more.	

¹Sources have the option to utilize an oil analysis program as described in 40 CFR 63.6625(i) in order to extend the specified oil change requirement in Table 2d of this subpart.

Table 3 to Subpart ZZZZ of Part 63—Subsequent Performance Tests

As stated in §§63.6615 and 63.6620, the facility must comply with the following subsequent performance test requirements:

For each . . .	Complying with the requirement to . . .	You must . . .
4. Existing non-emergency, non-black start CI stationary RICE with a brake horsepower >500 that are not limited use stationary RICE; existing non-emergency, non-black start 4SLB and 4SRB stationary RICE located at an area source of HAP emissions with a brake horsepower >500 that are operated more than 24 hours per calendar year that are not limited use stationary RICE	Limit or reduce CO or formaldehyde emissions	Conduct subsequent performance tests every 8,760 hrs. or 3 years, whichever comes first.
5. Existing non-emergency, non-black start CI stationary RICE with a brake horsepower >500 that are limited use stationary RICE; existing non-emergency, non-black start 4SLB and 4SRB stationary RICE located at an	Limit or reduce CO or formaldehyde emissions	Conduct subsequent performance tests every 8,760 hrs. or 5 years,

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area source of HAP emissions with a brake horsepower >500 that are operated more than 24 hours per calendar year and are limited use stationary RICE		whichever comes first.
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Table 4 to Subpart ZZZZ of Part 63—Requirements for Performance Tests

As stated in §§63.6610, 63.6611, 63.6612, 63.6620, and 63.6640, the facility must comply with the following requirements for performance tests for stationary RICE:

For each . . .	Complying with the requirement to . . .	You must . . .	Using . . .	According to the following requirements . . .
1. 2SLB, 4SLB, and CI stationary RICE	a. Reduce CO emissions	i. Measure the O ₂ at the inlet and outlet of the control device; and	(1) Portable CO and O ₂ analyzer	(a) Using ASTM D6522–00 (2005) ^a (incorporated by reference, see §63.14). Measurements to determine O ₂ must be made at the same time as the measurements for CO concentration.
		ii. Measure the CO at the inlet and the outlet of the control device	(1) Portable CO and O ₂ analyzer	(a) Using ASTM D6522–00 (2005) ^{ab} (incorporated by reference, see §63.14) or Method 10 of 40 CFR appendix A. The CO concentration must be at 15 percent O ₂ , dry basis.
2. 4SRB stationary RICE	a. Reduce formaldehyde emissions	i. Select the sampling port location and the number of traverse points; and	(1) Method 1 or 1A of 40 CFR part 60, appendix A §63.7(d)(1)(i)	(a) Sampling sites must be located at the inlet and outlet of the control device.
		ii. Measure O ₂ at the inlet and outlet of the control device; and	(1) Method 3 or 3A or 3B of 40 CFR part 60, appendix A, or ASTM Method D6522–00m (2005)	(a) Measurements to determine O ₂ concentration must be made at the same time as the measurements for formaldehyde concentration.
		iii. Measure moisture content at the inlet and outlet of the control device; and	(1) Method 4 of 40 CFR part 60, appendix A, or Test Method 320 of 40 CFR part 63, appendix A, or ASTM D 6348–03	(a) Measurements to determine moisture content must be made at the same time and location as the measurements for formaldehyde concentration.
		iv. Measure formaldehyde at the inlet and the outlet of the control device	(1) Method 320 or 323 of 40 CFR part 63, appendix A; or ASTM D6348–03, ^c provided in ASTM D6348–03 Annex A5 (Analyte Spiking Technique), the percent R must be greater than or equal to 70 and less than	(a) Formaldehyde concentration must be at 15 percent O ₂ , dry basis. Results of this test consist of the average of the three 1-hour or longer runs.

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			or equal to 130	
3. Stationary RICE	a. Limit the concentration of formaldehyde or CO in the stationary RICE exhaust	i. Select the sampling port location and the number of traverse points; and	(1) Method 1 or 1A of 40 CFR part 60, appendix A §63.7(d)(1)(i)	(a) If using a control device, the sampling site must be located at the outlet of the control device.
		ii. Determine the O ₂ concentration of the stationary RICE exhaust at the sampling port location; and	(1) Method 3 or 3A or 3B of 40 CFR part 60, appendix A, or ASTM Method D6522-00 (2005)	(a) Measurements to determine O ₂ concentration must be made at the same time and location as the measurements for formaldehyde concentration.
		iii. Measure moisture content of the stationary RICE exhaust at the sampling port location; and	(1) Method 4 of 40 CFR part 60, appendix A, or Test Method 320 of 40 CFR part 63, appendix A, or ASTM D 6348-03	(a) Measurements to determine moisture content must be made at the same time and location as the measurements for formaldehyde concentration.
		iv. Measure formaldehyde at the exhaust of the stationary RICE; or	(1) Method 320 or 323 of 40 CFR part 63, appendix A; or ASTM D6348-03, ^c provided in ASTM D6348-03 Annex A5 (Analyte Spiking Technique), the percent R must be greater than or equal to 70 and less than or equal to 130	(a) Formaldehyde concentration must be at 15 percent O ₂ , dry basis. Results of this test consist of the average of the three 1-hour or longer runs.
		v. Measure CO at the exhaust of the stationary RICE	(1) Method 10 of 40 CFR part 60, appendix A, ASTM Method D6522-00 (2005), ^a Method 320 of 40 CFR part 63, appendix A, or ASTM D6348-03	(a) CO Concentration must be at 15 percent O ₂ , dry basis. Results of this test consist of the average of the three 1-hour longer runs.

^a The facility may also use Methods 3A and 10 as options to ASTM-D6522-00 (2005). You may obtain a copy of ASTM-D6522-00 (2005) from at least one of the following addresses: American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959, or University Microfilms International, 300 North Zeeb Road, Ann Arbor, MI 48106. ASTM-D6522-00 (2005) may be used to test both CI and SI stationary RICE.

^b The facility may also use Method 320 of 40 CFR part 63, appendix A, or ASTM D6348-03.

^c The facility may obtain a copy of ASTM-D6348-03 from at least one of the following addresses: American Society for Testing and Materials, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959, or University Microfilms International, 300 North Zeeb Road, Ann Arbor, MI 48106.

Table 5 to Subpart ZZZZ of Part 63—Initial Compliance with Emission Limitations and Operating Limitations

As stated in §§63.6612, 63.6625 and 63.6630, the facility must initially comply with the emission and operating limitations as required by the following:

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For each . . .	Complying with the requirement to . . .	You have demonstrated initial compliance if . . .
<p>1. New or reconstructed non-emergency 2SLB stationary RICE >500 HP located at a major source of HAP, new or reconstructed non-emergency 4SLB stationary RICE ≥250 HP located at a major source of HAP, non-emergency stationary CI RICE >500 HP located at a major source of HAP, existing non-emergency stationary CI RICE >500 HP located at an area source of HAP, and existing non-emergency 4SLB stationary RICE >500 HP located at an area source of HAP that are operated more than 24 hours per calendar year</p>	<p>a. Reduce CO emissions and using oxidation catalyst, and using a CPMS</p>	<p>i. The average reduction of emissions of CO determined from the initial performance test achieves the required CO percent reduction; and ii. You have installed a CPMS to continuously monitor catalyst inlet temperature according to the requirements in §63.6625(b); and iii. You have recorded the catalyst pressure drop and catalyst inlet temperature during the initial performance test.</p>
<p>2. Non-emergency stationary CI RICE >500 HP located at a major source of HAP, existing non-emergency stationary CI RICE >500 HP located at an area source of HAP, and existing non-emergency 4SLB stationary RICE >500 HP located at an area source of HAP that are operated more than 24 hours per calendar year</p>	<p>a. Limit the concentration of CO, using oxidation catalyst, and using a CPMS</p>	<p>i. The average CO concentration determined from the initial performance test is less than or equal to the CO emission limitation; and ii. You have installed a CPMS to continuously monitor catalyst inlet temperature according to the requirements in §63.6625(b); and iii. You have recorded the catalyst pressure drop and catalyst inlet temperature during the initial performance test.</p>
<p>3. New or reconstructed non-emergency 2SLB stationary RICE >500 HP located at a major source of HAP, new or reconstructed non-emergency 4SLB stationary RICE ≥250 HP located at a major source of HAP, non-emergency stationary CI RICE >500 HP located at a major source of HAP, existing non-emergency stationary CI RICE >500 HP located at an area source of HAP, and existing non-emergency 4SLB stationary RICE >500 HP located at an area source of HAP that are operated more than 24 hours per calendar year</p>	<p>a. Reduce CO emissions and not using oxidation catalyst</p>	<p>i. The average reduction of emissions of CO determined from the initial performance test achieves the required CO percent reduction; and ii. You have installed a CPMS to continuously monitor operating parameters approved by the Administrator (if any) according to the requirements in §63.6625(b); and iii. You have recorded the approved operating parameters (if any) during the initial performance test.</p>
<p>4. Non-emergency stationary CI RICE >500 HP located at a major source of HAP, existing non-emergency stationary CI RICE >500 HP located at an area source of HAP, and existing non-emergency 4SLB stationary RICE >500 HP located at an area source of HAP that are operated more than 24 hours per calendar year</p>	<p>a. Limit the concentration of CO, and not using oxidation catalyst</p>	<p>i. The average CO concentration determined from the initial performance test is less than or equal to the CO emission limitation; and ii. You have installed a CPMS to continuously monitor operating parameters approved by the Administrator (if any) according to the requirements in §63.6625(b); and iii. You have recorded the approved operating parameters (if any) during the initial performance test.</p>
<p>5. New or reconstructed non-emergency 2SLB</p>	<p>a. Reduce CO emissions,</p>	<p>i. You have installed a CEMS to</p>

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<p>stationary RICE >500 HP located at a major source of HAP, new or reconstructed non-emergency 4SLB stationary RICE ≥250 HP located at a major source of HAP, non-emergency stationary CI RICE >500 HP located at a major source of HAP, existing non-emergency stationary CI RICE >500 HP located at an area source of HAP, and existing non-emergency 4SLB stationary RICE >500 HP located at an area source of HAP that are operated more than 24 hours per calendar year</p>	<p>and using a CEMS</p>	<p>continuously monitor CO and either O₂ or CO₂ at both the inlet and outlet of the oxidation catalyst according to the requirements in §63.6625(a); and ii. You have conducted a performance evaluation of your CEMS using PS 3 and 4A of 40 CFR part 60, appendix B; and iii. The average reduction of CO calculated using §63.6620 equals or exceeds the required percent reduction. The initial test comprises the first 4-hour period after successful validation of the CEMS. Compliance is based on the average percent reduction achieved during the 4-hour period.</p>
<p>6. Non-emergency stationary CI RICE >500 HP located at a major source of HAP, existing non-emergency stationary CI RICE >500 HP located at an area source of HAP, and existing non-emergency 4SLB stationary RICE >500 HP located at an area source of HAP that are operated more than 24 hours per calendar year</p>	<p>a. Limit the concentration of CO, and using a CEMS</p>	<p>i. You have installed a CEMS to continuously monitor CO and either O₂ or CO₂ at the outlet of the oxidation catalyst according to the requirements in §63.6625(a); and ii. You have conducted a performance evaluation of your CEMS using PS 3 and 4A of 40 CFR part 60, appendix B; and</p>
		<p>iii. The average concentration of CO calculated using §63.6620 is less than or equal to the CO emission limitation. The initial test comprises the first 4-hour period after successful validation of the CEMS. Compliance is based on the average concentration measured during the 4-hour period.</p>
<p>7. Non-emergency 4SRB stationary RICE >500 HP located at a major source of HAP, and existing non-emergency 4SRB stationary RICE >500 HP located at an area source of HAP that are operated more than 24 hours per calendar year</p>	<p>a. Reduce formaldehyde emissions and using NSCR</p>	<p>i. The average reduction of emissions of formaldehyde determined from the initial performance test is equal to or greater than the required formaldehyde percent reduction; and ii. You have installed a CPMS to continuously monitor catalyst inlet temperature according to the requirements in §63.6625(b); and</p>
		<p>iii. You have recorded the catalyst pressure drop and catalyst inlet temperature during the initial performance test.</p>
<p>8. Non-emergency 4SRB stationary RICE >500 HP located at a major source of HAP, and existing non-emergency 4SRB stationary RICE >500 HP located at an area source of HAP that are operated more than 24 hours per calendar year</p>	<p>a. Reduce formaldehyde emissions and not using NSCR</p>	<p>i. The average reduction of emissions of formaldehyde determined from the initial performance test is equal to or greater than the required formaldehyde percent reduction; and</p>

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		ii. You have installed a CPMS to continuously monitor operating parameters approved by the Administrator (if any) according to the requirements in §63.6625(b); and
		iii. You have recorded the approved operating parameters (if any) during the initial performance test.
9. Existing non-emergency 4SRB stationary RICE >500 HP located at an area source of HAP that are operated more than 24 hours per calendar year	a. Limit the concentration of formaldehyde and not using NSCR	i. The average formaldehyde concentration determined from the initial performance test is less than or equal to the formaldehyde emission limitation; and
		ii. You have installed a CPMS to continuously monitor operating parameters approved by the Administrator (if any) according to the requirements in §63.6625(b); and
		iii. You have recorded the approved operating parameters (if any) during the initial performance test.
10. New or reconstructed non-emergency stationary RICE >500 HP located at a major source of HAP, new or reconstructed non-emergency 4SLB stationary RICE $250 \leq \text{HP} \leq 500$ located at a major source of HAP, and existing non-emergency 4SRB stationary RICE >500 HP	a. Limit the concentration of formaldehyde in the stationary RICE exhaust and using oxidation catalyst or NSCR	i. The average formaldehyde concentration, corrected to 15 percent O ₂ , dry basis, from the three test runs is less than or equal to the formaldehyde emission limitation; and
		ii. You have installed a CPMS to continuously monitor catalyst inlet temperature according to the requirements in §63.6625(b); and
		iii. You have recorded the catalyst pressure drop and catalyst inlet temperature during the initial performance test.
11. New or reconstructed non-emergency stationary RICE >500 HP located at a major source of HAP, new or reconstructed non-emergency 4SLB stationary RICE $250 \leq \text{HP} \leq 500$ located at a major source of HAP, and existing non-emergency 4SRB stationary RICE >500 HP	a. Limit the concentration of formaldehyde in the stationary RICE exhaust and not using oxidation catalyst or NSCR	i. The average formaldehyde concentration, corrected to 15 percent O ₂ , dry basis, from the three test runs is less than or equal to the formaldehyde emission limitation; and
		ii. You have installed a CPMS to continuously monitor operating parameters approved by the Administrator (if any) according to the requirements in §63.6625(b); and
		iii. You have recorded the approved operating parameters (if any) during the initial performance test.

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Table 6 to Subpart ZZZZ of Part 63—Continuous Compliance with Emission Limitations, Operating Limitations, Work Practices, and Management Practices

As stated in §63.6640, the facility must continuously comply with the emissions and operating limitations and work or management practices as required by the following:

For each . . .	Complying with the requirement to . . .	You must demonstrate continuous compliance by . . .
<p>3. New or reconstructed non-emergency 2SLB stationary RICE >500 HP located at a major source of HAP, new or reconstructed non-emergency 4SLB stationary RICE ≥250 HP located at a major source of HAP, new or reconstructed non-emergency stationary CI RICE >500 HP located at a major source of HAP, existing non-emergency stationary CI RICE >500 HP, existing non-emergency stationary CI RICE >500 HP, existing non-emergency 4SLB stationary RICE >500 HP located at an area source of HAP that are operated more than 24 hours per calendar year</p>	<p>a. Reduce CO emissions or limit the concentration of CO in the stationary RICE exhaust, and using a CEMS</p>	<p>i. Collecting the monitoring data according to §63.6625(a), reducing the measurements to 1-hour averages, calculating the percent reduction or concentration of CO emissions according to §63.6620; and ii. Demonstrating that the catalyst achieves the required percent reduction of CO emissions over the 4-hour averaging period, or that the emission remain at or below the CO concentration limit; and iii. Conducting an annual RATA of your CEMS using PS 3 and 4A of 40 CFR part 60, appendix B, as well as daily and periodic data quality checks in accordance with 40 CFR part 60, appendix F, procedure 1.</p>
<p>10. Existing stationary CI RICE >500 HP that are not limited use stationary RICE, and existing 4SLB and 4SRB stationary RICE >500 HP located at an area source of HAP that operate more than 24 hours per calendar year and are not limited use stationary RICE</p>	<p>a. Reduce CO or formaldehyde emissions, or limit the concentration of formaldehyde or CO in the stationary RICE exhaust, and using oxidation catalyst or NSCR</p>	<p>i. Conducting performance tests every 8,760 hours or 3 years, whichever comes first, for CO or formaldehyde, as appropriate, to demonstrate that the required CO or formaldehyde, as appropriate, percent reduction is achieved or that your emissions remain at or below the CO or formaldehyde concentration limit; and</p>
		<p>ii. Collecting the catalyst inlet temperature data according to §63.6625(b); and</p>
		<p>iii. Reducing these data to 4-hour rolling averages; and</p>
		<p>iv. Maintaining the 4-hour rolling averages within the operating limitations for the catalyst inlet temperature; and</p>
		<p>v. Measuring the pressure drop across the catalyst once per month and demonstrating that the pressure drop across the catalyst is within the operating limitation established during the performance test.</p>
<p>11. Existing stationary CI RICE >500 HP that are not limited use stationary RICE, and existing</p>	<p>a. Reduce CO or formaldehyde emissions, or</p>	<p>i. Conducting performance tests every 8,760 hours or 3 years, whichever comes first, for</p>

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<p>4SLB and 4SRB stationary RICE >500 HP located at an area source of HAP that operate more than 24 hours per calendar year and are not limited use stationary RICE</p>	<p>limit the concentration of formaldehyde or CO in the stationary RICE exhaust, and not using oxidation catalyst or NSCR</p>	<p>CO or formaldehyde, as appropriate, to demonstrate that the required CO or formaldehyde, as appropriate, percent reduction is achieved or that your emissions remain at or below the CO or formaldehyde concentration limit; and</p>
		<p>ii. Collecting the approved operating parameter (if any) data according to §63.6625(b); and</p>
		<p>iii. Reducing these data to 4-hour rolling averages; and</p>
		<p>iv. Maintaining the 4-hour rolling averages within the operating limitations for the operating parameters established during the performance test.</p>
<p>12. Existing limited use CI stationary RICE >500 HP and existing limited use 4SLB and 4SRB stationary RICE >500 HP located at an area source of HAP that operate more than 24 hours per calendar year</p>	<p>a. Reduce CO or formaldehyde emissions or limit the concentration of formaldehyde or CO in the stationary RICE exhaust, and using an oxidation catalyst or NSCR</p>	<p>i. Conducting performance tests every 8,760 hours or 5 years, whichever comes first, for CO or formaldehyde, as appropriate, to demonstrate that the required CO or formaldehyde, as appropriate, percent reduction is achieved or that your emissions remain at or below the CO or formaldehyde concentration limit; and</p>
		<p>ii. Collecting the catalyst inlet temperature data according to §63.6625(b); and</p>
		<p>iii. Reducing these data to 4-hour rolling averages; and</p>
		<p>iv. Maintaining the 4-hour rolling averages within the operating limitations for the catalyst inlet temperature; and</p>
		<p>v. Measuring the pressure drop across the catalyst once per month and demonstrating that the pressure drop across the catalyst is within the operating limitation established during the performance test.</p>
<p>13. Existing limited use CI stationary RICE >500 HP and existing limited use 4SLB and 4SRB stationary RICE >500 HP located at an area source of HAP that operate more than 24 hours per calendar year</p>	<p>a. Reduce CO or formaldehyde emissions or limit the concentration of formaldehyde or CO in the stationary RICE exhaust, and not using an oxidation catalyst or NSCR</p>	<p>i. Conducting performance tests every 8,760 hours or 5 years, whichever comes first, for CO or formaldehyde, as appropriate, to demonstrate that the required CO or formaldehyde, as appropriate, percent reduction is achieved or that your emissions remain at or below the CO or formaldehyde concentration limit; and</p>
		<p>ii. Collecting the approved operating</p>

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		parameter (if any) data according to §63.6625(b); and
		iii. Reducing these data to 4-hour rolling averages; and
		iv. Maintaining the 4-hour rolling averages within the operating limitations for the operating parameters established during the performance test.

^aAfter the facility has demonstrated compliance for two consecutive tests, the facility may reduce the frequency of subsequent performance tests to annually. If the results of any subsequent annual performance test indicate the stationary RICE is not in compliance with the CO or formaldehyde emission limitation, or the facility deviates from any of the facility’s operating limitations, the facility must resume semiannual performance tests.

Table 7 to Subpart ZZZZ of Part 63—Requirements for Reports

As stated in §63.6650, the facility must comply with the following requirements for reports:

For each ...	You must submit a ...	The report must contain ...	You must submit the report ...
1. Existing non-emergency, non-black start stationary RICE $100 \leq \text{HP} \leq 500$ located at a major source of HAP; existing non-emergency, non-black start stationary CI RICE >500 HP located at a major source of HAP; existing non-emergency 4SRB stationary RICE >500 HP located at a major source of HAP; existing non-emergency, non-black start stationary CI RICE >300 HP located at an area source of HAP; existing non-emergency, non-black start 4SLB and 4SRB stationary RICE >500 HP located at an area source of HAP and operated more than 24 hours per calendar year; new or reconstructed non-emergency stationary RICE >500 HP located at a major source of HAP; and new or reconstructed non-emergency 4SLB stationary RICE $250 \leq \text{HP} \leq 500$ located at a major source of HAP	Compliance report	<p>a. If there are no deviations from any emission limitations or operating limitations that apply to you, a statement that there were no deviations from the emission limitations or operating limitations during the reporting period. If there were no periods during which the CMS, including CEMS and CPMS, was out-of-control, as specified in §63.8(c)(7), a statement that there were not periods during which the CMS was out-of-control during the reporting period; or</p> <p>b. If you had a deviation from any emission limitation or operating limitation during the reporting period, the information in §63.6650(d). If there were periods during which the CMS, including CEMS and CPMS, was out-of-control, as specified in §63.8(c)(7), the information in §63.6650(e); or</p> <p>c. If you had a malfunction during the reporting period, the information in §63.6650(c)(4)</p> <p>i. Semiannually according to the requirements in §63.6650(b)(1)–(5) for engines that are not limited use stationary RICE subject to numerical emission limitations; and</p> <p>ii. Annually according to the requirements in §63.6650(b)(6)–(9) for engines that are limited use stationary RICE subject to numerical emission</p>	

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PROJECT: Operation of (3) Boilers and (7) RICES

SPECIFIC CONDITIONS:

		limitations. i. Semiannually according to the requirements in §63.6650(b). i. Semiannually according to the requirements in §63.6650(b).	
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ENVIRONMENTAL PROTECTION
COMMISSION OF HILLSBOROUGH COUNTY

Richard D. Garrity, Ph.D.
Executive Director