South Florida Water Management District (SFWMD)
Pump Station S-9/S-9A
Facility ID No.: 0112410
Broward County

PROPOSED Title V Air Operation Permit Renewal/Revision

Permit No.: 0112410-010-AV
(Renewal and Revision of Title V Air Operation Permit No. 0112410-009-AV to incorporate changes in Construction Permit No. 0112410-011-AC)

Permitting and Compliance Authority:
Broward County Environmental Protection and Growth Management Department
~~Broward County Pollution Prevention, Remediation and Air Quality Division (PPRAQD)~~
Environmental Engineering and Permitting Division (EEPD)
One North University Drive, ~~Suite 203~~ Mailbox 201, Plantation, Florida 33324
Telephone: 954-519-1483 ~~519-1220*~~
~~Fax: 954-519-1495~~

~~ABBREVIATIONS AND DEFINITIONS~~

~~Area Source: Area source means any stationary source of HAP that is not a major source as defined in part~~
~~CAA: Clean Air Act (42 U.S.C. 7401 et seq., as amended by Public Law 101–549, 104 Stat. 2399).~~
~~CEMS: Continuous emission monitoring system means the total equipment that may be required to meet the data acquisition and availability requirements, used to sample, condition (if applicable), analyze, and provide a record of emissions.~~
~~40 CFR: Code of Federal Regulations~~
~~CI RICE: Compression Ignition reciprocating internal combustion engine. Compression ignition means relating to a type of stationary internal combustion engine that is not a spark ignition engine.~~
~~CMS: Continuous monitoring system is a comprehensive term that may include, but is not limited to, CEMS or CPMS that is used for demonstrating compliance with an applicable regulation on a continuous basis as defined by the regulation.~~
~~CO: Carbon Monoxide~~
~~CPMS: Continuous parameter monitoring system means the total equipment that may be required to meet the data acquisition and availability requirements, used to sample, condition (if applicable), analyze, and provide a record of process or control system parameters.~~
~~DOC: Diesel Oxidation Catalyst. (DOC is used as an add-on catalytic control device for the engine to control CO and VOC emissions.~~
~~Deviation: Deviation means any instance in which the owner or operator:~~
~~(1) Fails to meet any requirement or obligation established by Subpart ZZZZ, including but not limited to any emission limitation or operating limitation;~~
~~(2) Fails to meet any term or condition that is adopted to implement an applicable requirement in Subpart ZZZZ and that is included in the permit; or~~
~~(3) Fails to meet any emission limitation or operating limitation in Subpart ZZZZ during malfunction, regardless or whether or not such failure is permitted by Subpart ZZZZ.~~
~~(4) Fails to satisfy the general duty to minimize emissions established by 40 CFR 63.6(e) (1) (i) (see Appendix 1).~~
~~F.A.C.: Florida Administrative Code~~
~~FDEP: Florida Department of Environmental Protection~~
~~F.S.: Florida Statutes~~
~~HAP: Hazardous Air Pollutants~~
~~NESHAP: National Emissions Standards for Hazardous Air Pollutants~~
~~NOx: Nitrogen Oxides~~
~~PM: Particulate Matter~~
~~PPRAQD: Broward County Pollution Prevention, Remediation and Air Quality Division~~
~~PSD: Prevention of Significant Deterioration~~
~~PTE: Potential to Emit~~
~~SFWMD: South Florida Water Management District~~
~~SOx: Sulfur Dioxides~~
~~TPY: Tons per Year~~
~~VOC: Volatile Organic Compounds~~

Title V Air Operation Permit Renewal/Revision

PROPOSED Permit Project No.: 0112410-010-AV

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Statement of Basis

Environmental Protection and Growth Management Department
ENVIRONMENTAL ENGINEERING AND PERMITTING DIVISION
One North University Drive, Mailbox 201, Plantation, Florida 33324
954-519-1483

Permittee:
South Florida Water Management District (SFWMD)
3301 Gun Club Road, Department 5500
West Palm Beach, Florida 33406

PROPOSED Permit No.: 0112410-010-AV
Facility: SFWMD 9522,
Facility ID No.: 0112410
SIC No(s).: SIC : 9511 ,**NAICS**: 924410
Project: Title V Air Operation Permit Renewal/Revision

The purpose of this permit is to revise and renew the Title V air operation permit, 0112410-009-AV, incorporating the changes in Draft Air Construction Permit No. 0112410-011-AC, that authorizes:

1) The three emergency generators to be classified as "institutional emergency reciprocating internal combustion engines (RICE)" pursuant to 40 CFR 63.6585(f) (3), Subpart ZZZZ Code of Federal Regulations
2) Lowering the federally enforceable facility-wide restriction on annual fuel consumption from 1,111,565 gallons to 1,024,931 gallons, and,
3) Performing compliance tests at the highest capacity, as practicable at the time of the scheduled test and omitting additional testing, if operating capacity exceeds 110% of capacity during compliance testing (Rule 62-297.310(3), F.A.C.). The permittee does not have the ability to control the load capacity on pump engines during testing or pumping operations, as these are controlled by the difference between the head water and tail water elevations, which are set by environmental conditions and not the permittee.

SFWMD operates diesel engines for water pumping and emergency generators at Pump Stations Nos. S-9 and S-9A located in Broward County at 21939 Griffin Road, at the west end of South New River Canal C-11. The pump stations are collocated on the same property at the eastern edge of the Water Conservation Area 3-A, approximately ¼ mile west of US-27 in Broward County. Florida. The UTM Coordinates are: Zone 17, 584.47 km East and 2882 km North; the, Latitude and Longitude are: 26° 03' 16" North and 80° 09'20" West, respectively. There are no changes to the regulatory and/or permitting requirements or the regulatory classification of the facility.

This Title V Air Operation Permit Renewal/Revision is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210 and 62-213. The above named permittee is hereby authorized to operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the permitting authority, in accordance with the terms and conditions of this permit.

Effective Date:
Renewal Application Due Date:
Expiration Date:

_____
Robert C. Wong
Environmental Licensing Supervisor

Subsection A. Facility Description

SFWMD operates diesel engines for water pumping and emergency generators at Pump Stations Nos. S-9 and S-9A in accordance with Title V air operation permit No.0112410-009-AV issued on October 22, 2013. Pump Stations S-9 and S-9A are collocated on the same property in Broward County, Florida. The pump station discharges water into Water Conservation Area 3-A for storage and use during dry times. Pump Station S-9A consists of three (3) 1,824 bhp diesel engines/pump combinations and one (1) spare 624 hp diesel engine. Two (2) 207 hp emergency generators and one (1) 102 hp emergency generator. Pump station S-9|A is generally used when water needs to be pumped under non-flood conditions. Pump Station S-9 is designed to move water for flood control purposes, or when there is need to lower the C-11 Canal in a timely manner, and operates Engines 1, 2, and 3 (see figure below) to drive three water pumps. Pump Station S-9A operates Engines 4 and 5 to drive two water pumps. Engines 6, 7, and 8 operate three emergency generators. Both stations share the two 25,000 gallon distillate oil aboveground storage tanks (ASTs)that are considered unregulated and insignificant emission units and/or activities, as well as miscellaneous surface coating activities.

The facility has an existing federally enforceable facility-wide restriction on annual fuel consumption (No.2 distillate) that will limit the potential NOx emissions below the major source threshold for PSD applicability (250 TPY).

The aerial view below is the exact location of the pump stations at the facility.

The figure, on the next page, is the flow diagram for the facility.

Subsection B. Summary of Emissions Units

E.U. ID	Engine No.	Pump Station	Serial No.	Site-Rated Horsepower	Manufacturer/ Function	Liters/Cylinder
004	1	S-9	8RB00325	1,824	Caterpillar Model No. 3606	18.5
005	2	S-9	8RB00330	1,824	Caterpillar Model No. 3606	18.5
006	3	S-9	8RB00348	1,824	Caterpillar Model No. 3606	18.5
007	4	S-9A	38S23502	624	Caterpillar Model No. 3412	2.3
008	5	S-9A	38S20601	624	Caterpillar Model No. 3412	2.3
009	6	S-9	45568800	207	Cummins	1.4
010	7	S-9	45568816	207	Cummins	1.4
011	8	S-9A	46123231	102	Cummins	0.9
012	9	S-9A	38S20809	624	Caterpillar Model No. 3412	2.3

(Note. Engine S/N 38S23502 (EU 007) was purchased before July 11, 2005 (NSPS cutoff date) and (EU 012) was replaced by a similar model engine (3412) S/N 38S20809 in March 2009.)

NOx, CO, PM, SOx, and other products of combustion are generated during the operation of the diesel-fired engines. Also, there are activities/equipment that are considered insignificant emissions units, see Appendix I-1: List of Insignificant Emissions Units and/or Activities.

Subsection C. Applicable Regulations

Based on the initial Title V air operation permit renewal/revision application received March 7, 2018. This facility /is not a major source of hazardous air pollutants (HAP). The existing facility is not a prevention of significant

deterioration (PSD) major source of air pollutants in accordance with Rule 62-212.400, F.A.C. A summary of applicable regulations is shown in the following table.

Regulation	EU No(s)
Federal Rule Citations	
NESHAP - 40 CFR 63, Subpart ZZZZ, Stationary Reciprocating Internal Combustion Engines adopted and incorporated by reference in Rule 62-204.800(11) (b) 82 F.A.C, , except that the Secretary is not the Administrator for purposes of the authorities cited at 40 C.F.R 63.6670(c) (1) through (5)	001, 002, 003, 004, 005,006, 007, 008, 009, 010, 011,012
State Rule Citations	
Rule 62-213, F.A.C. Title V major source of NOx	001, 002, 003, 004, 005,006, 007, 008, 009, 010, 011,012
Rule 62-296.320(1) (a) F.A.C. VOC or Organic Solvent Emissions	Facility-Wide
Rule 62-296.320(2) F.A.C. - Objectionable Odor	Facility - Wide
Rule 62-210-650 F.A.C. Circumvention of air pollution control equipment	Facility-Wide
County Rule Citations	
Broward County Chapter 27 Air Pollution Control, Article IV, Sec. 27-175(b) & (d) **	Facility-Wide

****** Not Federally Enforceable

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

FW1. Appendices. The permittee shall comply with all documents identified in Section IV, Appendices, listed in the Table of Contents. Each document is an enforceable part of this permit unless otherwise indicated. [Rule 62-213.440, F.A.C.]

{Permitting Note. Attachment H-1, Permit History ~~< 0112410h.doc~~ and ~~Attachment~~, Appendix A < ~~Glossary.doc~~> are for information purpose.}

Emissions and Controls

FW2. Not federally enforceable. Objectionable Odor. No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rule 62-296.320(2) and 62-210.200(Definitions), F.A.C.]

FW3. General Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permit shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed-necessary and ordered by the Department. [Rule 62-296.320(1), F.A.C.]

FW4. General Visible Emissions. No person shall cause, let, permit, suffer or allow to be discharged into the outdoor atmosphere any air pollutants from sources, the opacity of which is equal or greater than 20 percent. EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C. This regulation does not impose a specific testing requirement.
[Rule 62-296.320(4) (b), F.A.C.]

FW5. ~~General Prohibition and~~ Concealment. Any stationary installation which will reasonably be expected to be a source of pollution shall obtain an appropriate and valid permit, unless exempted by rule. Furthermore, no person shall build, erect, install, or use any article, machine, equipment or other contrivance, the use of which will conceal any emission which would otherwise constitute a violation of any applicable provisions. [Rule 62-3.030 FAC and Broward County Code, Sec. 27-175(b)]

FW6. Circumvention**.** No person shall circumvent any air pollution device, or allow the emission of air pollutants without the applicable air pollution control device operating properly. [Rule 62-210.650, F.A.C.,]

FW7. Not Federally Enforceable.

(1) Concealment. No person shall build, erect, install, or use any article, machine, equipment or other contrivance, the use of which will conceal any emission which would otherwise constitute a violation of any provisions of Broward County Codes.

(2) Maintenance. No person shall operate any air pollution control equipment or systems without proper and sufficient maintenance to assure compliance with Broward County Codes. [Broward County Code, Sec. 27-175(b) & (d)]

FW8. Capacity. The engines can potentially generate 245 tons of NOx per year (based on EPA AP-42 emission factors) by limiting the combustion of fuel by the engines to 1,024,931 gallons per year in accordance with the applicant request for a fuel consumption limit on the construction permit application received March 7, 2018. Also, the engines are designed to burn distillate fuel oil (Grade No. 2) and are capable of firing standard distillate oil, low sulfur and ultra sulfur distillate oil. SFWMD currently burns ultra-low sulfur distillate oil (0.0015%S)

Source Obligation. At such time the source becomes a major PSD source solely by virtue of a relaxation in the fuel consumption limit, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source as though the modification in accordance with permit No. 0112410-002-AC (i.e. construction of S-9A) had not yet commenced on the source.

[Rules 62-4.160(2), 62-210.200(PTE), and 62-212.400(12) (b), F.A.C., 0112410-002-AC]
{Permitting Note: The fuel limit serves to synthetically limit the potential emissions of NOx to below the PSD major source threshold of 250 tons per year, which serve to maintain the source classification as a synthetic minor source under the PSD program.}

FW9. Methods of Operation - (i.e., Fuels). The alternative fuels for firing the engines are standard (0.5 % S), low (0.05 % S), and ultralow (0.0015 %S) sulfur distillate oil (ULSDO).
[Rules 62-4.070(3) & 62-213.410 (1), F.A.C.]

FW10. Semi-Annual Reports. The permittee shall monitor compliance with the terms and conditions of this permit and shall submit reports at least every six months to the compliance office. Each semi-annual report shall cover the 6-month periods of January 1 – June 30 and July 1 – December 31. The reports shall be submitted by the 60th day following the end of each calendar half (i.e., March 1st and August 29th of every year). All instances of deviations from permit requirements (including conditions in the referenced Appendices) must be clearly identified in such reports, including reference to the specific requirement and the duration of such deviation. If there are no deviations during the reporting period, the report shall so indicate. Any semi-annual reporting requirements contained in applicable federal NSPS or NESHAP requirements may be submitted as part of this report. The submittal dates specified above shall replace the submittal dates specified in the federal rules. All additional reports submitted as part of this report should be clearly identified according to the specific federal requirement. All reports shall include a certification by a responsible official, pursuant to subsection 62-213.420(4), F.A.C. (See also Conditions RR2. – RR4. of Appendix C, Facility-wide Reporting Requirements, for additional reporting requirements related to deviations.) [Rule 62-213.440(1)(b)3.a., F.A.C.; and, 40 CFR 60.19, 40 CFR 61.10 & 40 CFR 63.10]

~~General Compliance Requirements.~~
~~(a) The owner or operator shall operate each CI RICE at the source in compliance with the applicable emission limitations, operating limitations, and other requirements of Subpart ZZZZ at all times.~~
~~(b) At all times the owner or operator shall operate and maintain each CI RICE, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.~~
~~[40 CFR 63.6605]~~

FW11. Unconfined Particulate Matter (PM). No person shall cause, let, permit, suffer or allow the emissions of unconfined PM from any activity, including vehicular movement; transportation of materials; construction; alteration; demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Reasonable precautions to prevent and/or control unconfined particulate matter emissions ~~at this facility~~ include the following:

1. Surface Coating Activities - when practical, use of partial or total enclosures and limiting outdoor activities to the times of favorable weather conditions to avoid off site impacts.
2. Lawn & Ground Maintenance - application of water to non-vegetative areas as needed, landscaping and grass in other areas as necessary.
3. Parking Areas - application of water as needed.
4. Paved and Unpaved Roads - as needed, application of water, the removal of particulate matter from paved roads, limited site access to vehicles, and vehicle speed limitations.

[Rule 62-296.320(4) (c), F.A.C., Permit Application 0112410-009-AV)

FW12. General Provisions. The owner or operator shall comply with the applicable parts of the General Provisions in 40 CFR40 CFR 63.1 through 63.15 listed in Table 8 to subpart ZZZZ (see Appendix D)
[40 CFR 63.6665]

Annual Reports and Fees

FW 13. Electronic Annual Operating Report and Title V Annual Emissions Fees. The information required by the Annual Operating Report for Air Pollutant Emitting Facility [Including Title V Source Emissions Fee Calculation] (DEP Form No. 62-210.900(5)) shall be submitted by April 1 of each year, for the previous calendar year, to the Department of Environmental Protection's Division of Air Resource Management. Each Title V source shall submit the annual operating report using the DEP's Electronic Annual Operating Report (EAOR) software, unless the Title V source claims a technical or financial hardship by submitting DEP Form No. 62-210.900(5) to the DEP Division of Air Resource Management instead of using the reporting software. Emissions shall be computed in accordance with the provisions of subsection 62-210.370(2), F.A.C. Each Title V source must pay between January 15 and April 1 of each year an annual emissions fee in an amount determined as set forth in subsection 62-213.205(1), F.A.C. The annual fee shall only apply to those regulated pollutants, except carbon monoxide and greenhouse gases, for which an allowable numeric emission-limiting standard is specified in the source's most recent construction permit or operation permit. Upon completing the required EAOR entries, the EAOR Title V Fee Invoice can be printed by the source showing which of the reported emissions are subject to the fee and the total Title V Annual Emissions Fee that is due. The submission of the annual Title V emissions fee payment is also due (postmarked) by April 1st of each year. A copy of the system-generated EAOR Title V Annual Emissions Fee Invoice and the indicated total fee shall be submitted to: **Major Air Pollution Source Annual Emissions Fee, P.O. Box 3070, Tallahassee, Florida 32315-3070.** Additional information is available by accessing the Title V Annual Emissions Fee On-line Information Center at the following Internet web site: http://www.dep.state.fl.us/air/emission/tvfee.htm. [Rules 62-210.370(3), 62-210.900 & 62-213.205, F.A.C.; and, §403.0872(11), Florida Statutes (2013)]
{Permitting Note: Resources to help you complete your AOR are available on the electronic AOR (EAOR) website at: http://www.dep.state.fl.us/air/emission/eaor. If you have questions or need assistance after reviewing the information posted on the EAOR website, please contact the Department by phone at (850) 717-9000 or email at eaor@dep.state.fl.us.}

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

FW 14. Annual Statement of Compliance. The owner or operator shall submit an annual statement of compliance to Annual Statement of Compliance. The permittee shall submit an annual statement of compliance to the compliance authority at the address shown on the cover of this permit and to the US. EPA at the address shown below within 60 days after the end of each calendar year during which the Title V air operation permit was effective. (See also Appendix C, Conditions RR1 and RR7.) [Rules 62-213.440(3) (a) 2. & 3. and (b), F.A.C.]

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

the compliance authority at the address shown on the cover of this permit within 60 days after the end of each calendar year during which the Title V permit was effective. [Rules 62-213.440(3) (a) 2. & 3 and (3) (b), F.A.C.]

FW 15. Prevention of Accidental Releases (Section 112(r) of CAA). If, and when, the facility becomes subject to 112(r), the permittee shall:

a. Submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent electronically through EPA's Central Data Exchange system at the following address: https://cdx.epa.gov. Information on electronically submitting risk management plans using the Central Data Exchange system is available at: http://www.epa.gov/osweroe1/content/rmp/index.htm. The RMP Reporting Center can be contacted at: RMP Reporting Center, Post Office Box 10162, Fairfax, VA 22038, Telephone: (703) 227-7650.

b. Submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.

[40 CFR 68]

FW 16. Certification by Responsible Official (RO). In addition to the professional engineering certification required for applications by Rule 62-4.050(3), F.A.C., any application form, report, compliance statement, compliance plan and compliance schedule submitted pursuant to Chapter 62-213, F.A.C., shall contain a certification signed by a responsible official that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Any responsible official who fails to submit any required information or who has submitted incorrect information shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary information or correct information. [Rule 62-213.420(4), F.A.C.]

FW 19. When the EEPD after investigation, has good reason (such as complaints, increased emissions or failure to properly maintain control equipment) to believe that any applicable requirement or permit condition 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 EEPD. [Rules 62-297.310(7) (b) and 62-4.070(3), F.A.C.]

Diesel Engines for water pumping at Pump Stations S-9 and S-9A

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

E.U. ID	Engine No.	Pump Station	Serial No.	Site-Rated Horsepower
004	1	S-9	8RB00325	1,824
005	2	S-9	8RB00330	1,824
006	3	S-9	8RB00348	1,824
007	4	S-9A	38S23502	624
008	5	S-9A	38S20601	624
012	9	S-9A	38S20809	624

Each CI RICE is equipped with a diesel oxidation catalyst (DOC) add-on control devices to promote the oxidation reactions of carbon monoxide (CO), hydrocarbons and partially oxidized hydrocarbons into carbon dioxide (CO2) and water. Add-on controls are required to meet the CO emissions limit imposed by Subpart ZZZZ.

{Permitting Note: The emission units are regulated under NESHAP - 40 CFR 63, Subpart ZZZZ, Stationary Reciprocating Internal Combustion Engines adopted and incorporated by reference in Rule 62-204.800(11) (b) 82 F.A.C, , except that the Secretary is not the Administrator for purposes of the authorities cited at 40 C.F.R. 63.6670(c) (1) through (5)}

Emission Limitations and Standards

A.1. Emission Limitations and Operating Requirements. Emission units 004 thru 008 and 012 are subject to the requirements shown in the following tables (Table 2d and Table 2b to Subpart ZZZZ).
(Note. Compliance with the numerical emission limitations in Table 2d 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 (see Condition.A.7).)
(Note. The owner or operator has selected Option B of Table 2d. Condition A.2 outlines the requirements for Compliance with Option B.)

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

For each . . .	*The owner or operator shall meet one of the following options, except during periods of startup . . .*
3. Non-Emergency, non-black start CI stationary RICE >500 HP	*Option A.* Limit concentration of CO in the stationary RICE exhaust to 23 ppmvd at 15 percent O_2; or *Option B.* Reduce CO emissions by 70 percent or more.

Table 2b to Subpart ZZZZ of Part 63—Operating Limitations for Existing CI RICE >500 HP Located at an Area Source of HAP Emissions

For each . . .	*The owner or operator shall meet the following operating limitation . . .*
2. Existing CI stationary RICE >500 HP complying with the requirement to limit or reduce the	a. Maintain the catalyst so that the pressure drop across the catalyst does not change by more than

concentration of CO in the stationary RICE exhaust and using an oxidation catalyst	2 inches of water from the pressure drop across the catalyst that was measured during the initial performance test; and b. Maintain the temperature of the 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]

[1]Sources can petition the Administrator pursuant to the requirements of 40 CFR 63.8 (g) for a different temperature range.
[40 CFR 6603 (a)]
{Permitting Note. The owner or operator shall ensure that the installed catalytic control device is operated within the manufacturer recommended RICE exhaust temperature range to avoid invalidating the device warranty.}

A.2. Demonstrating Initial Compliance with each Emission and Operating Limitation

(a) The owner or operator shall demonstrate initial compliance with each emission limitation, operating limitation, and other requirement in Condition A.1 according to Table 5 of ZZZZ.

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

For each. . .	*If Complying with the requirement to*	*The owner or operator has demonstrated initial compliance if. . .*
1. existing non-emergency stationary CI RICE >500 HP located at an area source of HAP	a. Reduce CO emissions and using oxidation catalyst, and using a CPMS	i. The average reduction of emissions of CO determined from the initial performance test achieves the required CO percent reduction; and ii. The owner or operator have installed a CPMS to continuously monitor catalyst inlet temperature according to the requirements in 40 CFR 63.6625(b) (see Condition A.8); and iii. The owner or operator has recorded the catalyst pressure drop and catalyst inlet temperature during the initial performance test.

(b) During the initial performance test, the owner or operator shall establish each operating limitation in Table 2b of subpart ZZZZ (see Condition 1).

(c) The owner or operator shall submit the Notification of Compliance Status containing the results of the initial compliance demonstration according to the requirements in 40 CFR 63.6645 (see Condition A.9).

[40 CFR 63.6630]

A.3. Demonstrating Continuous Compliance with the Emission Limitations and Operating Limitations

(a) The owner or operator shall demonstrate continuous compliance with each emission limitation and operating limitation in Table 2d to subpart ZZZZ (see Condition A.1) according to methods specified in Table 6 to subpart ZZZZ as follow.

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

For each . . .	*Complying with the requirement to . . .*	*The owner or operator shall demonstrate continuous compliance by . . .*
10. Existing stationary CI RICE >500 HP that are not limited use stationary RICE	a. Reduce CO emissions, or limit the concentration of CO in the stationary RICE exhaust, and using oxidation catalyst	i. Conducting performance tests every 8,760 hours or 3 years, whichever comes first, for CO to demonstrate that the required CO percent reduction is achieved; and ii. Collecting the catalyst inlet temperature data according to 40 CFR 63.6625(b) (see Condition A.8); and iii. Reducing these data to 4-hour rolling averages; and iv. Maintaining the 4-hour rolling averages within the operating limitations for the catalyst inlet temperature; and 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.

(b) *Response to deviations*. The owner or operator shall report each instance of not meeting each emission limitation or operating limitation in Table 2d (see Condition A.1). These instances are deviations from the emission and operating limitations in Subpart ZZZZ. These deviations shall be reported according to the requirements in 40 CFR 63.6650 (see Condition A10). If the catalyst is changed, the values of the operating parameters measured during the initial performance test shall be reestablished. When reestablishing the values of the operating parameters, a performance test is also required to demonstrate that each RICE is meeting the required emission limitation.

(c) – (d) [NA for existing CI RICE].

(e) *General provisions*. The owner or operator shall also report each instance of not meeting the applicable requirements in Table 8 to subpart ZZZZ (see Appendices section of this permit).

[40 CFR 63.6640]

A.4. Monitoring and Collecting Data to Demonstrate Continuous Compliance

(a) [Blank].

(b) Except for monitor malfunctions, associated repairs, required performance evaluations, and required quality assurance or control activities, the owner or operator shall 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 owner or operator 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 owner or operator shall, however, use all the valid data collected during all other periods.

[40 CFR 63.6635]

A.5. Fuel Requirements. The owner or operator shall burn diesel fuel that meets the requirements in 40 CFR80.510 (b) for nonroad (NR) diesel fuel which requires diesel fuel to meet the following per-gallon standards:

(1) Sulfur content.

(i) 15 ppm (0.0015% S) maximum for NR diesel fuel.

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

(i) A minimum cetane index of 40; or
(ii) A maximum aromatic content of 35 volume percent.
[40 CFR 63.6604 (a)]

Testing and Monitoring Requirements

A.6. Frequency of Testing.

(a) *Initial performance tests.* The owner or operator shall conduct initial performance test or other initial compliance demonstration according to Table 4 (see Condition 7) and Table 5 (see Condition 2) to this subpart within 180 days after the compliance date. [40 CFR 6612 (a), CFR 63.7(a) (2)]
(b) *Subsequent performance tests*. The owner or operator shall conduct subsequent performance tests as specified in Table 3 to Subpart ZZZZ.

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

For each . . .	*Complying with the requirement to . . .*	*The owner or operator shall . . .*
4. Existing non-emergency, non-black start CI stationary RICE >500 HP that are not limited use stationary RICE	Limit or reduce CO emissions and not using a CEMS	Conduct subsequent performance tests every 8,760 hrs, or 3 years, whichever comes first.

[40 CFR 6615]

Permitting Note**:* Rule 62-297.310(3), F.A.C. Operating Conditions during Emissions Testing. Testing of emissions shall be conducted with the emissions unit operating at the testing capacity as defined below. If it is impracticable to test at the testing capacity, an emissions unit may be tested at less than the testing capacity. If an emissions unit is tested at less than the testing capacity, another emissions test shall be conducted and completed no later than 60 days after the emissions unit operation exceeds 110% of the capacity at which its most recent emissions test was conducted. ***Since the permittee is not able to control the load capacity of the engines during testing or pumping operations due to the fact, that water elevations are dictated by environmental conditions and not the permittee,and the load capacity is the difference between the head water and tail water, the permittee would be allowed to conduct the compliance test at the highest capacity, as it is practicable at the time of the scheduled test and omiit additional testing, if operating capacity exceeds 110% of capacity during compliance testing.

A.7. Performance Test Methods.
{Note. Appendix B lists the general compliance testing requirements.}
(a) The owner or operator shall conduct each applicable performance test in Tables 3 (see Condition A.6) and the following Table 4.

Table 4 to Subpart ZZZZ of Part 63—Requirements for Performance Tests

	If Complying with	*The owner or operator shall . . .*	*According to the following requirements . . .*
1. CI stationary RICE	a. Reducing CO emissions	i. Measure the O_2 at the inlet and outlet of the control device using Method 3 or 3A or 3B of 40 CFR part 60, appendix A, or ASTM Method D6522-00 (Reapproved 2005).[a c]; and	(a) 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 using ASTM D6522-00 (Reapproved 2005) [a b c] or Method 10 of 40 CFR part 60, appendix A	(a) The CO concentration must be at 15 percent O_2, dry basis

a Incorporated by reference, see 40 CFR 63.14. May also obtain copies from University Microfilms International, 300 North Zeeb Road, Ann Arbor, MI 48106.
b May also use Method 320 of 40 CFR part 63, appendix A, or ASTM D6348-03.
c ASTM-D6522-00 (2005) may be used to test both CI and SI stationary RICE.

(b) - (c) [Non-operational CI RICE]

(d) *Test runs*. The owner or operator shall conduct three separate test runs for each performance test required in paragraph (a) above, as specified in 40 CFR 63.7(e) (3) (see Appendix DA).. Each test run shall last at least 1 hour.

(e) (1) *Complying with the Reduce CO emissions Option*. Equation 1 of this section shall be used to determine compliance with the percent reduction requirement:

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

Where:
C_i= concentration of CO at the control device inlet,
C_o= concentration of CO at the control device outlet, and
R = percent reduction of CO emissions.

(2) The CO concentrations at the inlet and outlet of the control device shall be normalized to a dry basis and to 15 percent oxygen, or an equivalent percent CO_2. If pollutant concentrations are to be corrected to 15 percent oxygen and CO_2concentration is measured in lieu of oxygen concentration measurement, a CO_2correction factor is needed. Calculate the CO_2correction 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:

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

Where:
F_o= Fuel factor based on the ratio of oxygen volume to the ultimate CO_2volume 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, dsm^3 /J (dscf/10^6 Btu).
F_c= Ratio of the volume of CO_2produced to the gross calorific value of the fuel from Method 19, dsm^3 /J (dscf/10^6 Btu).

(ii) Calculate the CO_2correction factor for correcting measurement data to 15 percent oxygen, as follows:

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

Where:
X_{co2}= CO_2correction factor, percent.
5.9 = 20.9 percent O_2 − 15 percent O_2, the defined O_2correction value, percent.

(iii) Calculate the NO_X and SO_2gas concentrations adjusted to 15 percent O_2using CO_2as follows:

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

Where:

$\%CO_2$= Measured CO_2concentration measured, dry basis, percent.

(f) [NA, Reduce CO and not using an oxidation catalyst]

(g) [NA, Petition the Administrator for approval of operating limitations if not using an oxidation catalyst]

(h) [NA. Petition the Administrator for approval of no operating limitations].

(i) [NA, Engine percent load during a performance test for new non-emergency CI stationary RICE with a site rating of greater than 500 brake HP located at a major source of HAP emissions].

[40 CFR 63.6620, Table 4 and 5 of Subpart ZZZZ]

Monitoring, Installation, Collection, Operation, and Maintenance Requirements

A.8. (A) [NA, CEMS Option]

(b) <u>CPMS Requirement</u>

If the owner or operator is required to install a CPMS as specified in Table 5 of Subpart ZZZZ (see Condition A.2), the owner or operator shall install, operate, and maintain each CPMS according to the requirements in paragraphs (b) (1) through (6) of this section.

(1) The owner or operator shall 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 40 CFR 63.8(d). As specified in 40 CFR 63.8(f) (4) (see Appendix 1, below), the owner or operator may request approval of monitoring system quality assurance and quality control procedures alternative to those specified in paragraphs (b) (1) through (5) of this section in the 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) On going operation and maintenance procedures in accordance with provisions in 40 CFR 63.8(c) (1) and (c) (3) (see Appendix 1, below); and

(v) Ongoing reporting and recordkeeping procedures in accordance with provisions in 40 CFR 63.10(c), (e) (1), and (e) (2) (i) (see Appendix 1, below).

(2) The owner or operator shall install, operate, and maintain each CPMS in continuous operation according to the procedures in your site-specific monitoring plan.

(3) The CPMS shall collect data at least once every 15 minutes (see also 40 CFR 63.6635, Condition A. 4).

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

(5) The owner or operator shall conduct the CPMS equipment performance evaluation, system accuracy audits, or other audit procedures specified in your site-specific monitoring plan at least annually.

(6) The owner or operator shall conduct a performance evaluation of each CPMS in accordance with your site-specific monitoring plan.

(c) – (f). [NA to any engine in EU 004 thru 008, and 012].

(g) <u>Engines not equipped with a closed crankcase ventilation system</u>

For CI engine not equipped with a closed crankcase ventilation system, the owner or operator shall comply with either paragraph (g) (1) or paragraph (g) (2) of this section. Owners and operators shall 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.

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

(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) Engine startup time. The owner or operator shall 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 Table 2d to ZZZZ (see Condition A.1).

[40 CFR 63.6625]

Notifications, Reports, and Records

A.9. Applicable Notifications

(a) The owner or operator shall submit all of the applicable notifications in 40 CFR40 CFR 63.7(b) and (c), 63.8(e), (f) (4) and (f) (6), 63.9(b) through (e), and (g) and (h) (see Appendix 1, below) by the dates specified if own or operate existing stationary RICE located at an area source of HAP emissions.

(b) - (f). [NA, major source of HAP].

(g) *Notification of Intent to conduct a performance test*. The owner or operator shall 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 40 CFR 63.7(b) (1)

(h) *Notification of Compliance Status*. The owner or operator shall submit a Notification of Compliance Status according to 40 CFR 63.9(h) (2) (ii).

(1) [NA, initial compliance demonstration that does not includes a performance test].

(2) For each initial compliance demonstration required in Table 5 (see Condition A.2) that includes a performance test conducted according to the requirements in Table 3.

6), the owner or operator shall 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 40 CFR 63.10(d) (2).

[40 CFR 63.6645]

A.10. Reporting Requirements.

(a) *Compliance report*. The owner or operator shall submit each applicable report in Table 7 of subpart ZZZZ

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

For each ...	*The owner or operator shall submit a compliance report. The report must contain .....*	*Submit the report. . .*
1. Existing non-emergency, non-black start stationary CI RICE >300 HP located at an area source of HAP.	a. If there were no deviations from any emission limitations or operating limitations that apply, 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 40 CFR 63.8(c) (7), a statement that there were not periods during which the CMS was out-of-control during the reporting period; or	i. Semiannually according to the requirements in 40 CFR 63.6650(b) (1)-(5)) (see Condition A.10b, below). ii. [NA, limited use RICE].

	b. If there was a deviation from any emission limitation or operating limitation during the reporting period, the information in 40 CFR 63.6650(d)) (see Condition A 10.d) below. If there were periods during which the CMS, including CEMS and CPMS, was out-of-control, as specified in 40 CFR 63.8(c) (7), the information in 40 CFR 63.6650(e)) (see Condition A.10.e, below); or	i. Semiannually according to the requirements in 40 CFR 63.6650(b) (see Condition A.10.b, below).
	c. If there was a malfunction during the reporting period, the information in 40 CFR 63.6650(c) (4)) (see Condition A.10.c, below).	i. Semiannually according to the requirements in 40 CFR 63.6650(b)) (see Condition A.10.b, below).

(b) *Reports submission dates*. Unless the Administrator has approved a different schedule for submission of reports under 40 CFR 63.10(a), the owner or operator shall submit each report by the date in Table 7 in paragraph (a) and according to the requirements in paragraphs (b) (1) through (b) (9) of this section.

(1) For semiannual Compliance reports, the first Compliance report shall cover the period beginning on the compliance date 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.

(2) For semiannual Compliance reports, the first Compliance report shall 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.

(3) For semiannual Compliance reports, each subsequent Compliance report shall 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 shall 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 owner or operator may submit the first and subsequent Compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (b) (1) through (b) (4) of this section.

(6) For annual Compliance reports, the first Compliance report shall cover the period beginning on the compliance date and ending on December 31.

(7) For annual Compliance reports, the first Compliance report shall be postmarked or delivered no later than January 31 following the end of the first calendar year after the compliance date.

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

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

(c) *Report content*. The compliance report shall 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 there was a malfunction during the reporting period, the compliance report shall 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 shall 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 40 CFR 63.6605(b), including actions taken to correct a malfunction.

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

(6) If there were no periods during which the continuous monitoring system (CMS), including CEMS and CPMS, was out-of-control, as specified in 40 CFR 63.8(c) (7), a statement that there were no periods during which the CMS was out-of-control during the reporting period.

(d) [NA, RICE *without* a CMS].

(e) *RICE with a CMS.* For each deviation from an emission or operating limitation occurring for each RICE using a CMS to comply with the emission and operating limitations in Subpart ZZZZ, the owner or operator shall include information in paragraphs (c) (1) through (4) and (e) (1) through (12) of Condition A.10.

(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 40 CFR 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.

(f) *TV semiannual report*. Sources shall report all deviations as defined in Subpart ZZZZ in the semiannual monitoring report required by 40 CFR70.6 (a) (3) (iii) (A) or 40 CFR71.6(a) (3) (iii) (A) (State and Federal Operating Permit Programs). f a source submits a Compliance report pursuant to Table 7 (see Condition A.10) along with, or as part of, the semiannual monitoring report required by 40 CFR70.6(a) (3) (iii) (A) or 40 CFR71.6(a) (3) (iii) (A), and the Compliance report includes all required information concerning deviations from any emission or operating limitation in Subpart ZZZZ, submission of the Compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a Compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority.

[40 CFR 63.6650]

A.11. Recordkeeping Requirements.

(a) The owner or operator shall 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 was submitted to comply with Subpart ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status that was submitted, according to the requirement in 40 CFR 63.10(b) (2) (xiv) (see Appendix D).
(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) (see Appendix D).
(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 owner or operator shall 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) (see Appendix D).
(2) Previous (i.e., superseded) versions of the performance evaluation plan as required in 40 CFR 63.8(d) (3) (see Appendix 1, below).
(3) Requests for alternatives to the relative accuracy test for CEMS or CPMS as required in 40 CFR 63.8(f) (6) (i) (see Appendix D), if applicable.

(c) [NA, landfill gas].

(d) The owner or operator shall keep the records required in Table 6 in Condition 3 to show continuous compliance with each applicable emission or operating limitation.

(e) The owner or operator shall keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the RICE and after-treatment control device was operated and maintained according to source maintenance plan.

[40 CFR 63.6655]

A.12. Records - Form and Retention Period

(a) Records shall 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), the owner or operator shall keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.

(c) The owner or operator shall 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) w).

[40 CFR 63.6660]

A.13. Compliance Test Report Submittal. The compliance test report shall be submitted to the EEPD as soon as practicable, but no later than 45 days after the last test is completed.
[Rule 62-297.310(8) (a) & (b), F.A.C.]

A.14. Compliance Test Report Information. The compliance test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow EEPD to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report shall provide the following information:

1. The type, location, and a general layout of the emissions unit tested including a sketch of the duct within 8 stack diameters upstream of the sampling point, including the distance to any upstream bends or other flow disturbances.
2. The type of air pollution control devices installed on the emissions unit, their general condition, their normal operating parameters, and their operating parameters during each test run.
3. Test equipment specifications with instrument and calibration information. Data related to the required calibration of the test equipment.

4. Measurement and data acquisition/ analysis/ computation procedures to obtain all measured and calculated data to determine compliance with the emission limiting standard.
5. The names of individuals, who furnished the process variable data, conducted the test, analyzed the samples and prepared the report.
6. A certification that, to the knowledge of the owner or his authorized agent, all data submitted is true and correct. When a compliance test is conducted for the EEPD, the person who conducts the test shall provide the certification with respect to the test procedures used. The owner or his authorized agent shall certify that all data required and provided to the person conducting the test are true and correct to his knowledge.

[Rule 62-297.310(8) (c), and 62-4.070(3) F.A.C.]

Diesel Engines for Emergency Generators at Pump Stations S-9 and S-9A

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

E.U. ID	Engine No.	Pump Station	Serial No.	Site-Rated Horsepower
009	6	S-9	45568800	207
010	7	S-9	45568816	207
011	8	S-9A	46123231	102

EU 009 thru 011 consists of CI RICE used to operate emergency generators. The three (3) emergency generators (009, 010 and 011) are classified as "institutional emergency RICE) pursuant to 40 CFR 63.6585(f) (3)

{Permitting Note: This emission unit is regulated under NESHAP - 40 CFR 63, Subpart ZZZZ, Stationary Reciprocating Internal Combustion Engines adopted and incorporated by reference in Rule 62-204.800(11) (b) 82 F.A.C, , except that the Secretary is not the Administrator for purposes of the authorities cited at 40 C.F.R 63.6670(c) (1) through (5)}

B.1. Emergency Operating Requirements. To maintain classification as an emergency CI RICE, EU 009 thru 011shall meet the following:

(1) Each RICE shall operate to provide electrical power or mechanical work during an emergency situation.

(2) Each RICE shall operate under limited circumstances for situations not included in paragraph (1) of this definition, as specified in 40 CFR 63.6640(f), as follow.

(a) – (e). [NA, non-emergency operations]

(f) Any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f) (1) through (4) of this section, is prohibited.

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

(2) The owner or operator may operate an emergency stationary RICE for any combination of the purposes specified in paragraphs (f) (2) (i) through (iii) of this section for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by paragraphs (f) (3) and (4) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f) (2).

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

(ii) The RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see 40 CFR 63.14), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

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

(3) [NA, RICE located at major sources of HAP]

(4) The RICE may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in paragraph (f) (2) of this section. Except as provided in paragraphs (f) (4) (i) and (ii) of this section, the 50 hours per year for non-emergency situations cannot be used for peak shaving or non-emergency demand response, or to generate income for a facility to an electric grid or otherwise supply power as part of a financial arrangement with another entity.

(i) Prior to May 3, 2014, the 50 hours per year for non-emergency situations can be used for peak shaving or non-emergency demand response to generate income for a facility, or to otherwise supply power as part of a financial arrangement with another entity if the engine is operated as part of a peak shaving (load management program) with the local distribution system operator and the power is provided only to the facility itself or to support the local distribution system.

(ii) The 50 hours per year for non-emergency situations can be used to supply power as part of a financial arrangement with another entity if all of the following conditions are met:

(A) The engine is dispatched by the local balancing authority or local transmission and distribution system operator.

(B) The dispatch is intended to mitigate local transmission and/or distribution limitations so as to avert potential voltage collapse or line overloads that could lead to the interruption of power supply in a local area or region.

(C) The dispatch follows reliability, emergency operation or similar protocols that follow specific NERC, regional, state, public utility commission or local standards or guidelines.

(D) The power is provided only to the facility itself or to support the local transmission and distribution system.

(E) The owner or operator identifies and records the entity that dispatches the engine and the specific NERC, regional, state, public utility commission or local standards or guidelines that are being followed for dispatching the engine. The local balancing authority or local transmission and distribution system operator may keep these records on behalf of the engine owner or operator.

(3) Each RICE is operated as part of a financial arrangement with another entity in situations not included in paragraph (1) of this definition only as allowed in Condition B.1. (2) (f) (2) (ii) or (iii) and (f) (4) (i) or (ii).

[40 CFR 63.6675, 6640 (f)]

A.2. Operating Standards. The owner or operator shall comply with the applicable requirements in Table 2d to subpart ZZZZ as follow.

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

For each . . .	*Owner or Operator shall meet the following requirement, except during periods of startup . . .*
4. Emergency CI RICE [2]	a. Change oil and filter every 500 hours of operation or annually, whichever comes first;[1] b. Inspect air cleaner 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

[1]Sources 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 Subpart ZZZZ.

[2]If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the management practice requirements on the schedule required in Table 2d of Subpart ZZZZ, or if performing the management practice on the required schedule would otherwise pose an unacceptable risk under Federal, State, or local law, the management practice can be delayed until the emergency is over or the unacceptable risk under Federal, State, or local law has abated. The management practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under Federal, State, or local law has abated. Sources shall report any

failure to perform the management practice on the schedule required and the Federal, State or local law under which the risk was deemed unacceptable.
[40 CFR 63.6603 (a)]

B.3. Fuel Requirements. Beginning January 1, 2015, if any RICE that operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in 40 CFR 63.6640(f) (2) (ii) and (iii) (see Condition B.1) or that operates for the purpose specified in 40 CFR 63.6640(f) (4) (ii) (see Condition B.1), shall use diesel fuel that meets the requirements in 40 CFR 80.510(b) for nonroad diesel fuel, except that any existing diesel fuel purchased (or otherwise obtained) prior to January 1, 2015, may be used until depleted. Rule 40 CFR 80.510(b) requires that diesel fuel to meet the following per-gallon standards:
(1) Sulfur content.
(i) 15 ppm (0.0015% S) maximum for NR diesel fuel.
(2) Cetane index or aromatic content, as follows:
(i) A minimum cetane index of 40; or
(ii) A maximum aromatic content of 35 volume percent.
[40 CFR 63.6604 (b)]

B.4. Operation and Maintenance Requirements
(a) – (d) [NA to engines in EU 009 thru 011].
(e) The owner or operator shall operate and maintain the stationary RICE according to the manufacturer's emission-related written instructions or own maintenance plan which shall provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.
(f) The owner or operator shall install a non-resettable hour meter if one is not already installed.
[40 CFR 63.6625]

B.5. Demonstrating Continuous Compliance with the Emission Limitations and Operating Limitations
(a) The owner or operator shall demonstrate continuous compliance with each operating limitation in Table 2d to subpart ZZZZ (see Condition B.2) according to methods specified in Table 6 to subpart ZZZZ as follow.

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

For each . . .	*Complying with the requirement to . . .*	*The owner or operator shall demonstrate continuous compliance by . . .*
9. Existing emergency and black start stationary RICE located at an area source of HAP.	a. Work or Management practices	i. Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions; or ii. Develop and follow own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions

(b) *Response to deviations*. The owner or operator shall report each instance of not meeting each operating limitation in Table 2d (see Condition B.2). These instances are deviations from the emission and operating limitations in Subpart ZZZZ. These deviations shall be reported according to the requirements in 40 CFR 63.6650 (see Condition B.6).
(c) – (d) [NA to engines in EU 009 thru 011].
(e) *General provisions*. The owner or operator shall also report each instance of not meeting the applicable requirements in Table 8 to subpart ZZZZ (see Appendix D).
(f) *Emergency operations*. The owner or operator shall operate each RICE according to the requirements in 40 CFR 63.6640 (f) (1) through (4) (see Condition 1)
[40 CFR 63.6640]

Reporting and Recordkeeping Requirements

B.6. Reporting Requirements.
(a) *Compliance report*. The owner or operator shall submit each applicable report in Table 7 of subpart ZZZZ

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

For each ...	*The owner or operator shall submit a report that contain .....*	*Submit the report. . .*
4. Emergency stationary RICE that operate or are contractually obligated to be available for more than 15 hours per year for the purposes specified in 40 CFR 63.6640(f) (2) (ii) and (iii) (emergency demand response, voltage deviation) or that operate for the purposes specified in 40 CFR 63.6640(f) (4) (ii) (50 hours non-emergency situations) (see Condition B.1)	a. The following information in 40 CFR 63.6650(h) (1): (i) Company name and address where the engine is located. (ii) Date of the report and beginning and ending dates of the reporting period. (iii) Engine site rating and model year. (iv) Latitude and longitude of the engine in decimal degrees reported to the fifth decimal place. (v) Hours operated for the purposes specified in 40 CFR 63.6640(f) (2) (ii) and (iii) (emergency demand response, voltage deviation), including the date, start time, and end time for engine operation for the purposes specified in 40 CFR 63.6640(f) (2) (ii) and (iii). (vi) Number of hours the engine is contractually obligated to be available for the purposes specified in 40 CFR 63.6640(f) (2) (ii) and (iii). (vii) Hours spent for operation for the purpose specified in 40 CFR 63.6640(f) (4) (ii) (50 hours non-emergency situations), including the date, start time, and end time for engine operation for the purposes specified in 40 CFR 63.6640(f) (4) (ii). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine. (viii) If there were no deviations from the fuel requirements in 40 CFR 63.6604 (see Condition B.3) that apply to the engine (if any), a statement that there were no deviations from the fuel requirements during the reporting period. (ix) If there were deviations from the fuel requirements in 40 CFR 63.6604 that apply to the engine (if any), information on the number, duration, and cause of deviations, and the corrective action taken.	i. Annually according to the following requirements in 40 CFR 63.6650(h) (2)-(3): (2) The first annual report must cover the calendar year 2015 and must be submitted no later than March 31, 2016. Subsequent annual reports for each calendar year must be submitted no later than March 31 of the following calendar year. (3) The annual report must be submitted electronically using the subpart specific reporting form in the Compliance and Emissions Data Reporting Interface (CEDRI) that is accessed through EPA's Central Data Exchange (CDX) (www.epa.gov/*cdx*). However, if the reporting form specific to this subpart is not available in CEDRI at the time that the report is due, the written report must be submitted to the Administrator at the appropriate address listed in 40 CFR 63.13.

[40 CFR 63.6650]

B.7. Recordkeeping Requirements.
(a) – (c) [NA to engines in EU 009 thru 011].
(d) The owner or operator shall keep the records required in Table 6 in Condition B.5 to show continuous compliance with each applicable emission or operating limitation.

(e) The owner or operator shall keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the RICE and after-treatment control device was operated and maintained according to source maintenance plan.

(f) The owner or operator shall 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 emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engine is used for the purposes specified in 40 CFR 63.6640(f) (2) (ii) or (iii) (emergency demand response, voltage deviation) or 40 CFR 63.6640(f) (4) (ii) (50 hours non-emergency situations), the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes.

[40 CFR 63.6655]

B.8. Records - Form and Retention Period

(a) Records shall be in a form suitable and readily available for expeditious review according to 40 CFR 63.10(b) (1) (see Appendix 1, below).

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

(c) The owner or operator shall 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).

[40 CFR 63.6660]

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