Georgia-Pacific Consumer Operations LLC
Palatka Mill

Facility ID No.: 1070005
Putnam County

Title V Air Operation Permit Revision

Permit No. 1070005-088-AV
Revision of Title V Air Operation Permit No. 1070005-085-AV

Permitting Authority:

State of Florida
Department of Environmental Protection
~~Waste and Air Resource Management~~ Permitting Program, Northeast District

8800 Baymeadows Way West, Suite 100
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Compliance Authority:

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Compliance Assurance, Northeast District

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Permit No. 1070005-088-AV

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Florida Department of Environmental Protection

NORTHEAST DISTRICT
8800 BAYMEADOWS WAY WEST, SUITE 100
JACKSONVILLE, FLORIDA 32256

RICK SCOTT
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Permittee:
Georgia - Pacific Consumer Operations, LLC.
215 County Road 216
Palatka, Florida 32178-0919

Permit No.: 1070005-088-AV
Facility ID No.: 1070005
Palatka Mill
Project: Title V Air Operation Permit Revision

The purpose of this permit is to revise Title V air operation permit No. 1070005-085-AV to modify Emissions Unit 051- Stationary Internal Combustion Engines by updating and correcting information in the permit, adding three non-emergency engines not currently listed in the permit to the permit, redesignation of Engine No. 8 from emergency to non-emergency, redesignation of Engine No. 5 from new to existing, removal of Engine No. 3 from the permit, and modifying Appendix I to include numerous cooling towers located throughout the facility.

The existing Palatka Mill is located in Putnam County at 215 CR 216, Palatka, Florida 32177. UTM Coordinates are: Zone 17, 434.0- km East and 3283.4 km North; Latitude: 29°40'00" North and Longitude: 81°40'45" West.

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

Revision Effective Date:

Effective Date:	July 9, 2012
Renewal Application Due Date:	November 26, 2016
Expiration Date:	July 9, 2017

Richard S. Rachal III, P.G.
Permitting Program Administrator

RSR: rfs

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Subsection A. Facility Description:

This facility is a Kraft pulp and paper mill that consists of major activities areas such as: chip handling, pulping, bleaching, chemical recovery, utilities, paper machines, converting, turpentine and tall oil production.

Based on the Title V permit revision application received January 12, 2015, this facility is a major source of hazardous air pollutants (HAPs).

Subsection B. Summary of Emissions Units:

EU No.	Brief Description
Regulated Emissions Units	
-014	No. 4 Power Boiler (removed)
-015	No. 5 Power Boiler
-016	No. 4 Combination Boiler
-017	No. 4 Lime Kiln
-018	No. 4 Recovery Boiler
-019	No. 4 Smelt Dissolving Tanks (2)
-031	Tall Oil Plant
-032	Noncondensible Gas System/TRS Incinerator (removed)
-034	No. 6 Boiler (removed)
-035	ClO_2 Plant and Methanol Storage Tank
-036	Elemental Chlorine Free (ECF) No. 3 Bleach Plant
-037	Thermal Oxidizer
-039	New Bark Hog & Existing Bark/Wood Chip Handling System
-044	No. 7 Package Boiler
-045	Wide-web Flexographic Printers
-046	Condensate Stripper System
-047	Brown Stock Washer Lines 3, 5, 6 & 7
-048	New Two-Stage Oxygen Delignification System
-050	Converting Department
-051	~~Emergency~~ Stationary Internal Combustion Engines
Unregulated Emissions Units and Activities	
See Appendix U-1, attached	

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Subsection C. Applicable Regulations:

Based on the Title V air operation permit application received January 12, 2015, this facility is a major source of hazardous air pollutants (HAP). ~~Because this facility operates stationary reciprocating internal combustion engines, it is subject to regulation under 40 CFR 63, Subpart ZZZZ, - National Emissions Standards For Hazardous Air Pollutants For Stationary Reciprocating Internal Combustion Engines.~~ The existing facility is a 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).**
40 CFR 60, Subpart A, NSPS General Provisions	037, 044, 046
40 CFR 60, Subpart Db	044
40 CFR 60, Subpart BB	037, 046
40 CFR 60, Subpart IIII	051
40 CFR 60, Subpart JJJJ	051
40 CFR 63, Subpart A, NESHAP General Provisions	015, 016, 017, 036
40 CFR 63, Subpart S	015, 016, 017, 036, 037, 043, 046, 047, 048
40 CFR 63, Subpart KK	045
40 CFR 63, Subpart MM	017, 018, 019
40 CFR 63, Subpart RR.	037, 046
40 CFR 63, Subpart JJJJ	050
State Rule Citations 62-296.404, 62- 296.406, 62-296.410, 62-296.320, BACT, Rule 62-212.400)	015, 016, 017, 018, 019, 031, 037, 039, 044, 046
40 CFR 63, Subpart ZZZZ	051
40 CFR 63, Subpart DDDDD.	015, 016, 044

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

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

Emissions and Controls

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

FW3. Not federally Enforceable. General Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions. The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed-necessary and ordered by the Department. [Rule 62-296.320(1), F.A.C.]

{Permitting Note: Nothing is deemed necessary and ordered at this time.}

FW4. General Visible Emissions. No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity. EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b)1, F.A.C.]

FW5. Not federally Enforceable. Unconfined Particulate Matter. No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction; alteration; demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include:

(a) Conveyors that are covered or enclosed where feasible and practical.

(b) Paved roads entering and exiting the plant.

(c) Limiting vehicle speeds.

(d) Good housekeeping practices.

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

Annual Reports and Fees

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

FW6. Electronic Annual Operating Report and Title V Annual Emissions Fees. The information required by the Annual Operating Report for Air Pollutant Emitting Facility [Including Title V Source Emissions Fee Calculation] (DEP Form No. 62-210.900(5)) shall be submitted by April 1 of each year, for the previous calendar year, to the Department of Environmental Protection's 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

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forth in subsection 62-213.205(1), F.A.C. The annual fee shall only apply to those regulated pollutants, except carbon monoxide and greenhouse gases, for which an allowable numeric emission-limiting standard is specified in the source's most recent construction permit or operation permit. Upon completing the required EAOR entries, the EAOR Title V Fee Invoice can be printed by the source showing which of the reported emissions are subject to the fee and the total Title V Annual Emissions Fee that is due. The submission of the annual Title V emissions fee payment is also due (postmarked) by April 1st of each year. A copy of the system-generated EAOR Title V Annual Emissions Fee Invoice and the indicated total fee shall be submitted to: **Major Air Pollution Source Annual Emissions Fee, P.O. Box 3070, Tallahassee, Florida 32315-3070.** Additional information is available by accessing the Title V Annual Emissions Fee On-line Information Center at the following Internet web site: http://www.dep.state.fl.us/air/emission/tvfee.htm. [Rules 62-210.370(3), 62-210.900 & 62-213.205, F.A.C.; and, §403.0872(11), Florida Statutes (2013)]

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

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

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

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

(a) As required by Section 112(r)(7)(B)(iii) of the CAA and 40 CFR 68, the owner or operator shall submit an updated Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center.

(b) As required under Section 252.941(1)(c), F.S., the owner or operator shall report to the appropriate representative of the Department of Community Affairs (DCA), as established by department rule, within one working day of discovery of an accidental release of a regulated substance from the stationary source, if the owner or operator is required to report the release to the United States Environmental Protection Agency under Section 112(r)(6) of the CAA.

(c) The owner or operator shall submit the required annual registration fee to the DCA on or before April 1, in accordance with Part IV, Chapter 252, F.S., and Rule 9G-21, F.A.C.

(d) Any required written reports, notifications, certifications, and data required to be sent to the DCA, should be sent to: Department of Community Affairs, Division of Emergency Management, 2555 Shumard Oak Boulevard, Tallahassee, FL 32399-2100, Telephone: (850) 413-9921, Fax: (850) 488-1739.

(e) Any Risk Management Plans, original submittals, revisions, or updates to submittals, should be sent to: RMP Reporting Center, Post Office Box 10162, Fairfax, VA 22038, Telephone: (703) 227-7650.

(f) Any required reports to be sent to the National Response Center, should be sent to: National Response Center, EPA Office of Solid Waste and Emergency Response, USEPA (5305 W), 401 M Street SW, Washington, D.C. 20460, Telephone: (800) 424-8802.

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(g) Send the required annual registration fee using approved forms made payable to: Cashier, Department of Community Affairs, State Emergency Response Commission, 2555 Shumard Oak Boulevard, Tallahassee, FL 32399-2149

[Part IV, Chapter 252, F.S.; and, Rule 9G-21, F.A.C.]

FW9. Unregulated Emissions Units and/or Activities. Appendix U-1, List of Unregulated Emissions Units and/or Activities, is a part of this permit.

[Rule 62-213.440(1), F.A.C.]

FW10. Insignificant Emissions Units and/or Activities. Appendix I-1, List of Insignificant Emissions Units and/or Activities, is a part of this permit.

[Rules 62-213.440(1), 62-213.430(6) and 62-4.040(1)(b), F.A.C.]

FW11. Georgia Pacific will take measures to ensure that all property boundaries are properly fenced or have other physical barriers (equivalent to a fence), and/or are properly posted and routinely patrolled.

[Rules 62-4.070(3) and 62-212.400(5), F.A.C., Construction Permit No. 1070005-017-AC]

FW12. When appropriate, any recording, monitoring, or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one. For purposes of this permit, an official year is defined as from January 1 through December 31, except for stack testing purposes, in which case an official year is defined as the federal fiscal year (October 1 – September 30). An official day is defined as the time period from 6 A.M. to 6 A.M.

[Rule 62-213.440, F.A.C.; Applicant Request]

FW13. Startup, Shutdown, Malfunction Plan. The Permittee shall adopt and implement a written startup, shutdown, and malfunction (SSM) plan if required in applicable Subparts of 40 CFR Part 63 that describes, in detail, procedures for operating and maintaining the source during periods of startup, shutdown, and malfunction. The plan shall meet the requirements of 40 CFR 63.6(e)(3) including containing a program of corrective action for malfunctioning processes and the air pollution control and monitoring equipment used to comply with the relevant standards of 40 CFR Part 63. The current SSM Plan shall be maintained at the facility and be available for inspection and copying by the Administrator upon request. If the SSM Plan is subsequently revised pursuant to 40 CFR 63.6(e)(3)(viii), the Permittee shall maintain at the facility each previous (i.e., superseded) version of the SSM Plan, and shall make each such previous version available for inspection and copying by the Administrator for a period of 5 years after revision of the plan. Any revisions made to the startup, shutdown, and malfunction plan in accordance with the procedures established by 40 CFR 63.6(e), shall not be deemed to constitute a Part 70 or 71 permit revision. Moreover, none of the procedures specified by the startup, shutdown, and malfunction plan for an affected source shall be deemed to fall within the permit shield.

FW14. The DEP has determined that the applicable requirements in the attached Appendix SC (Specific Conditions) Applicability List, based on applicant submittal, were identified in the permit application.

[Rule 62-213.460, F.A.C. (Permit Shield)]

FW15. The applicable requirements identified in the attached Appendix AR (Applicable Rules) Applicability List, based on applicant submittal, and listed in the application are included in the permit in a correct manner to the best knowledge of the DEP.

[Rule 62-213.460, F.A.C. (Permit Shield)]

FW16. The non-applicable requirements identified in the attached Appendix NAR (Non-applicable Rules) Non-Applicability List based on applicant submittal, and listed in the application were specifically determined to be not applicable to this facility for the reason noted for each requirement.

[Rule 62-213.460, F.A.C. (Permit Shield)]

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FW17. Fuel Sulfur Content. The sulfur content of the No. 6 fuel oil used by the facility for all of the fuel sources shall not exceed 2.35% by weight, based on a 3- truckload or rail car rolling average. A record of analysis of each fuel oil shipment received shall be maintained and an annual report submitted. In order to demonstrate compliance with this conditions, and **Conditions D.2.**, the Permittee shall calculate and maintain a log of the rolling 3- truckload or rail car average sulfur content (i.e., the average of three consecutive truckload or rail car deliveries, based on the certified fuel oil analysis receipt). Fuel oil analysis shall be conducted using ASTM Methods D-129, D-1552, D-2622, D-4294, or equivalent methods approved by the Department. The Annual Report is due by April 1st for the previous year.

[Rule 62-213.410, F.A.C.; Construction Permit No. 1070005-017-AC; PCP Exclusion dated March 14, 2002; Georgia-Pacific Letter dated April 1, 2003, Air Construction Permit No. 1070005-032-AC]

FW18. Semi-Annual Monitoring Reports. The permittee shall submit reports of any required monitoring at least every six (6) months. The reports shall be submitted within 60 (sixty) days after the end of each semi-annual reporting period, i.e., by March 1 and September 1 of each year. At the Permittee's option, these reports may be submitted on a calendar quarter basis.

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Subsection T. This section addresses the following emissions unit(s):

EU No.	Brief Description
051	~~8 Emergency Engines~~ Stationary Internal Combustion Engines

The Mill operates a number of diesel-fired, propane-fired, and natural-gas fired stationary engines used primarily as emergency-use only engines as back-up power sources for several pieces of process equipment, including the No. 4 Recovery Boiler and the No. 4 Lime Kiln. The Mill also uses a number of engines to supply power to fire-water protection pumps.

These emissions units are regulated under 40 CFR 63, Subpart ZZZZ- National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines; 40 CFR 60, Subpart IIII- Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, 40 CFR 60, Subpart JJJJ- Standards of Performance for Stationary Spark Ignition Internal Combustion Engines and 40 CFR 63, Subpart A- General Provisions.

Engine Nos. 1, ~~3~~, 4, 5, 6, and 7

The following table provides important details for these emissions units:

Engine No.	Description	Type	Displacement liters/cylinder (l/c)	Manufacturer Name	Fuel Fired	HP ~~or KW Rating~~	Year ~~Built~~ Manufactured	Year Installed	Year Rebuilt	Model No.	Serial #
1	"Little" Emergency Fire Water Pump ~~Backup Fire Water Pump~~ (~~located Rice creek Pump House inside front door~~ Fire Water Pumphouse)	CI	~~≤10~~ 1.16	Detroit	Diesel	~~130~~ 50 ~~HP~~	~~Purchased~~ 1965	1968	02/2004	~~TTA11162~~ 04FA002059	~~378838~~
~~3~~	~~Power House- Emergency Lights (Ground floor south wall by PB3 equipment room)~~		~~≤10~~	~~Onan~~	~~Diesel~~	~~21.8 BHP 12 KW~~	~~Purchased 1980~~			~~120DJC-3CR~~	~~H79044341 2~~
4	~~Power House-~~ Emergency Lights (located ~~2nd floor south wall, east corner~~ Power	SI	~~2.1~~ <0.1	Yamaha	Gasoline	~~2.0 KW~~ <20	~~Purchased~~ 1988	1988	N/A	EF-2000	---

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	House)										
5	Emergency Generator for DCS & ESP Valves (located at No. 4 RB)	SI 4S RB	1.01	General Motors	NG	150	Sept. 2005	12/7/2005	No	NL80F RG4	---
6	~~No. 4 RB precipitator generator Backup~~ Emergency generator for lights (located No. 4 RB Precipitator)	CI	2.31	Allis Chalmers	Diesel	~~200 KW~~ 268	~~Purchased~~ 1983	1983	No	25000 MARK 11	2505 365
7	~~Old Turbine room~~ Emergency generator ~~backup~~ for ~~generator~~ lights (located ~~Ground floor, east wall by door~~ Old Turbine Room)	CI	0.74	MWM Deutz Corp	Diesel	~~10 KW~~ 19 ~~HP~~	~~SPEC 01.3022.024/01~~ 1991	Oct 1991	No	D302-2	302-23976 6

This permit section addresses "existing" stationary CI RICE less than or equal to 500 HP that are located at a major source of HAP and that have not been modified or reconstructed after 6/12/2006. ***Unless the CI RICE are modified or reconstructed after 7/11/2005, NSPS 40 CFR 60, Subpart IIII will not apply.*** *This permit section also addresses "existing" stationary SI RICE less than or equal to 500 HP that are located at a major source of HAP and that have not been modified or reconstructed after 6/12/2006.* ***Unless the SI RICE is modified or reconstructed after 6/12/2006, NSPS 40 CFR 60, Subpart JJJJ will not apply.***

T.1 NESHAP, 40 CFR 63 Subpart ZZZZ Applicability-Engines 1, 4, 5, 6, 7: These engines are classified as existing, stationary Reciprocating Internal Combustion Engines (RICE) and shall comply with applicable provisions of 40 CFR 63 Subpart ZZZZ. These engines are classified as Emergency stationary RICE.

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

T.2. 40 CFR 63, Subpart A-General Provision-Engines 1, 4, 5, 6, 7: Table 8 of 40 CFR 63 Subpart ZZZZ, shows which parts of the General Provisions in §§63.1 through 63.15 are applicable.

[40 CFR 63.6665]

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Performance Restrictions

T.3. Authorized Fuel – Engines 1, 6, and 7:

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

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

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

(i) A minimum cetane index of 40; or

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

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

T.4. Method of Operation - Emergency Stationary RICE-Engines 1, 4, 5, 6, 7: The emergency stationary RICE shall be operated according to the requirements in paragraphs (1) through (3) of this Condition. Any operation other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (1) through (3) of this Condition, is prohibited. If you do not operate the engine according to the requirements in paragraphs (1) through (3) of this Condition, the engine will not be considered an emergency engine under 40 CFR 63 Subpart ZZZZ and will need to meet all requirements for non-emergency engines.

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

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

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

(ii) *Emergency Demand Response Situations*. Emergency stationary RICE may be operated for emergency demand response for periods in which the Reliability Coordinator under the North American Electric Reliability Corporation (NERC) Reliability Standard EOP-002-3, Capacity and Energy Emergencies (incorporated by reference, see §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.

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

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

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

Emission standards

T.5. Emergency Stationary CI RICE - Engines 1, 6, and 7. The engines shall comply with the following standards:

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.[2]

d. During periods of startup, Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.[2]

[1]Sources have the option to utilize an oil analysis program as described in **Condition T.7.** in order to extend the specified oil change requirement.

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

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

T.6. Emergency Stationary SI RICE - Engines 4, 5. The engine[1] shall comply with the following standards:

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

d. During periods of startup, Minimize the engine's time spent at idle and minimize the engine's startup time at startup to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.[3]

[1] If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in Table 2c of this subpart, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to

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perform the work practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

[2]Sources have the option to utilize an oil analysis program as described in **Condition T.8.** in order to extend the specified oil change requirement.

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

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

T.7. Oil Analysis Program Option – Stationary CI Engine - Engines 1, 6, and 7. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement stated in **Condition T.5.** The oil analysis must be performed at the same frequency specified for changing the oil in **Condition T.5.** The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 business 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 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

[40 CFR 63.6625(i)]

T.8. Oil Analysis Program Option – Stationary SI Engines- Engine 4, 5. The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement stated in **Condition T.6.** The oil analysis must be performed at the same frequency specified for changing the oil in **Condition T.6.** The analysis program must at a minimum analyze the following three parameters: Total Acid Number, viscosity, and percent water content. The condemning limits for these parameters are as follows: Total Acid Number increases by more than 3.0 milligrams of potassium hydroxide (KOH) per gram from Total Acid 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 business 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 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

[40 CFR 63.6625(j)]

General compliance requirements

T.9. Continuous Compliance-Engines 1, 4, 5, 6, 7. You must be in compliance with the emission limitations and operating limitations in 40 CFR 63 Subpart ZZZZ that applies at all times.

[40 CFR 63.6605(a)]

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T.10. Operation and Maintenance of Equipment-Engines 1, 4, 5, 6, 7. At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[40 CFR 63.6605(b)]

T.11. Operation and Maintenance-Engines 1, 4, 5, 6, 7. The stationary RICE and after-treatment control device (if any) shall be operated and maintained according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

[40 CFR 63.6625(e) & (e)(2)]

T.12 Hour Meter-Engines 1, 4, 5, 6, 7. The owner or operator must install a non-resettable hour meter if one is not already installed.

[40 CFR 63.6625(f)]

T.13. Engine Startup-Engines 1, 4, 5, 6, 7. The owner or operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in 40 CFR 63 Subpart ZZZZ Table 2c apply.[1]

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

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

Monitoring Requirements

T.14. Engines 1, 4, 5, 6, 7: You must demonstrate continuous compliance with each operating limitation in **Conditions T.5. and T.6.** as applicable, according to methods specified below:

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

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

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

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Recordkeeping Requirements

T.15. Engines 1, 4, 5, 6, 7: The following records in paragraphs (a)(1)-(a)(5), (b)(1)-(b)(3) shall be kept:

(a)(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in §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 §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 §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, you must keep the records listed in paragraphs (b)(1) through (3) of this section.

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

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

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

[40 CFR 63.6655(a),(b)]

T.16. Engines 1, 4, 5, 6, 7: The records required in **Condition T.15.** shall be kept to show continuous compliance with each emission or operating limitation in **Condition T.5. and T.6.**

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

T.17. Engines 1, 4, 5, 6, 7: Records of the maintenance conducted on the stationary RICE shall be kept in order to demonstrate that the stationary RICE and after-treatment control device (if any) is operated and maintained according to the owner or operator's own maintenance plan.

[40 CFR 63.6655(e),(e)(2)]

T.18. Engines 1, 4, 5, 6, 7: Records of the hours of operation of the engine shall be kept that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the date, start time, and end time of engine operation for these purposes

[40 CFR 63.6655(f), (f)(1)]

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T.19. Records- Engines 1, 4, 5, 6, 7: Records shall meet the following:

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

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

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

[40 CFR 63.6660]

Reporting Requirements

T.20. Engines 1, 4, 5, 6, 7: Each instance shall be reported in which each emission limitation or operating limitation in **Condition T.5. and T.6.** is not met. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in §63.6650.

[40 CFR 63.6640(b)]

T.21. Engines 1, 4, 5, 6, 7: Each instance shall be reported in which the requirements in Table 8 to this subpart that apply are not met.

[40 CFR 63.6640(e)]

T.22. Emergency Situation- Engines 1, 4, 5, 6, 7:. If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required in **Condition T.5. and T.6.**, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the work practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

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

T.23. Emergency Demand Response Situations & Voltage Deviation- Engines 1, 4, 5, 6, 7:. If you own or operate an emergency stationary RICE with a site rating of more than 100 brake HP that operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in **Condition T.4.(2)(ii) and (iii)**, you must submit an annual report according to the requirements in paragraphs (1) through (3) of this Condition.

(1) The report must contain the following information:

(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 §63.6640(f)(2)(ii) and (iii), including the date, start time, and end time for engine operation for the purposes specified in §63.6640(f)(2)(ii) and (iii).

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(vi) Number of hours the engine is contractually obligated to be available for the purposes specified in §63.6640(f)(2)(ii) and (iii).

(vii) Hours spent for operation for the purpose specified in §63.6640(f)(4)(ii), including the date, start time, and end time for engine operation for the purposes specified in §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 §63.6604 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 §63.6604 that apply to the engine (if any), information on the number, duration, and cause of deviations, and the corrective action taken.

(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 §63.13.

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

Notification Requirements

T.24. Engines 1, 4, 5, 6, 7: The applicable notification requirements in §63.6645 and in 40 CFR Part 63, Subpart A shall be met. Pursuant to 40 CFR 63.6645(a)(5), the notification requirements of §§63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) are not applicable to existing stationary emergency RICE.

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

Engine No. 2

The following table provides important details for this emissions unit:

Engine No.	Description	Type	Displacement liters/cylinder (l/c)	Manufacturer	Fuel Fired	HP ~~or KW Rating~~	Year ~~Built~~ Manufactured	Year Installed	Year Rebuilt	Model No.	Serial #
2	~~Fire Water Pump Backup~~ "Big" Emergency Fire Water Pump (located at ~~Rice Creek Pump House west side of little~~ fire water pumphouse)	CI	1.12	Cummins	Diesel	175 ~~HP~~	~~Installed~~ Jan 2010	Mar 31, 2010	No	CFP7E-F10	73072 733

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{Permitting Note: This emissions unit is regulated under 40 CFR 60, Subpart IIII- Standards of Performance for Stationary Compression Ignition Internal Combustion Engines, NESHAP – 40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines adopted and incorporated by reference in Rule 62-204.800, F.A.C. Compliance with the requirements of 40 CFR 63, Subpart ZZZZ is met by meeting the requirements of 40 CFR 60, Subpart IIII. No further requirements of 40 CFR 63, Subpart ZZZZ apply for this engine.}

This permit section addresses a new, emergency stationary compression ignition (CI) reciprocating internal combustion engine (RICE) manufactured after June 12, 2006 with an engine displacement of less than 30 liters per cylinder located at a major source of HAP emissions that is a fire pump.

T.25. NESHAP, 40 CFR 63 Subpart ZZZZ Applicability -Engine 2: This diesel engine is classified as new, stationary Reciprocating Internal Combustion Engines (RICE). In accordance with 40 CFR 63.6590(c)(6) & (7), the unit must meet the requirements of 40 CFR 63 Subpart ZZZZ by complying with the 40 CFR 60 Subpart IIII standards. No further 40 CFR 63 Subpart ZZZZ standards shall apply to this engine.

[40 CFR 63.6675(def); 40 CFR 63.6585(a) & (b); 40 CFR 63.6590(a)(2)(ii); 40 CFR 63.6590(c)(6),(7), Rule 62-204.800(8), FAC]

T.26. NSPS, 40 CFR 60, Subpart IIII Applicability-Engine 2: This engine is classified as an emergency stationary internal compression ignition (CI) engine and is subject to the standards of 40 CFR 60 Subpart IIII.

[40 CFR 60.4200(a)(2)(ii); Rule 62-204.800(8), FAC]

T.27. NSPS, 40 CFR 60, Subpart A – General Provisions- Engine 2: The owner or operator shall comply with the applicable requirements of 40 CFR 60 Subpart A - General Provisions in §§60.1 through 60.19 stated in Table 8 of 40 CFR 60 Subpart IIII, which have been adopted by reference in Rule 62-204.800(8)(b)80., F.A.C., except that the Secretary is not the Administrator for purposes of 40 CFR 60.4201, 40 CFR 60.4202, 40 CFR 60.4203, 40 CFR 60.4210 and 40 CFR 60.4215 and 40 CFR 60.4216. 40 CFR 60, Subpart A- General Provisions is an Appendix to this permit.

[40 CFR 60.4218; Table 8 to 40 CFR 60 Subpart IIII, Rule 62-204.800(8), FAC]

PERFORMANCE RESTRICTIONS

Essential Potential to Emit (PTE) Parameters

T.28. Fuel Requirements-Engine 2: Beginning October 1, 2010, owners and operators of stationary CI ICE subject to this subpart with a displacement of less than 30 liters per cylinder that use diesel fuel must use diesel fuel that meets the requirements of 40 CFR 80.510(b) for nonroad diesel fuel.

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

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

(i) A minimum cetane index of 40; or

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

[40 CR 60.4207(b)(1); 40 CFR 80.510(b)(1)(i), (b)(2)]

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T.29. New Stationary CI internal Combustion Engines at Major Source-Engine 2:

Maximum engine power	Model year(s)	NMHC + NO_X	CO	PM
130≤KW<225 (175≤HP<300)	2009+[1]	4.0 (3.0)	---	0.20 (0.15)

[1]In model years 2009–2011, manufacturers of fire pump stationary CI ICE in this engine power category with a rated speed of greater than 2,650 rpm may comply with the emission limitations for 2008 model year engines:

NMHC + NO_X 10.5 (7.8); CO 3.5 (2.6); PM 0.54 (0.40).

Note: Units designed in above table are g/KW-hr (g/HP-hr)

[40 CFR 60.4205(c), Table 4]

T.30. Engine 2: Owners and operators of stationary CI ICE must operate and maintain stationary CI ICE that achieve the emission standards as required in 40 CFR 60.4205 over the entire life of the engine.

[40 CR 60.4206]

MONITORING REQUIREMENTS

T.31. Monitoring Requirements-Engine 2: If you are an owner or operator of an emergency stationary CI internal combustion engine, you must install a non-resettable hour meter prior to startup of the engine.

[40 CR 60.4209(a)]

COMPLIANCE REQUIREMENTS

T.32. Compliance Requirements-Engine 2:

(a) If you are an owner or operator and must comply with the emission standards specified in this subpart, you must do all of the following, except as permitted under paragraph (g) of this Condition:

(1) Operate and maintain the stationary CI internal combustion engine and control device according to the manufacturer's emission-related written instructions;

(2) Change only those emission-related settings that are permitted by the manufacturer; and

(3) Meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply to you.

(b) N/A – fire pump engine is not manufactured prior to the model years in Table 3 of 40 CFR 60 Subpart IIII

(c) If you are an owner or operator of a CI fire pump engine that is manufactured during or after the model year that applies to your fire pump engine power rating in Table 3 of 40 CFR 60 Subpart IIII and must comply with the emission standards specified in 40 CFR 60.4205(c), you must comply by purchasing an engine certified to the emission standards in 40 CFR 40 CFR 60.4205(c) for the same model year and maximum NFPA nameplate. The engine must be installed and configured according

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to the manufacturer's emission-related specifications, except as permitted in paragraph (g) of this Condition.

(d) N/A – not subject to §60.4204(c) or §60.4205(d),

(e) N/A – stationary CI internal combustion engine not modified or reconstructed

(f) If you own or operate an emergency stationary ICE, you must operate the emergency stationary ICE according to the requirements in paragraphs (f)(1) through (3) of this section. In order for the engine to be considered an emergency stationary ICE under this subpart, 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 (3) of this section, is prohibited. If you do not operate the engine according to the requirements in paragraphs (f)(1) through (3) of this section, the engine will not be considered an emergency engine under 40 CFR 60 Subpart IIII and must meet all requirements for non-emergency engines.

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

(2) You may operate your emergency stationary ICE 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 paragraph (f)(3) of this section counts as part of the 100 hours per calendar year allowed by this paragraph (f)(2).

(i) Emergency stationary ICE 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 ICE beyond 100 hours per calendar year.

(ii) Emergency stationary ICE 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 §60.17), or other authorized entity as determined by the Reliability Coordinator, has declared an Energy Emergency Alert Level 2 as defined in the NERC Reliability Standard EOP-002-3.

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

(3) Emergency stationary ICE 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 Condition. Except as provided in paragraph (f)(3)(i) of this Condition, the 50 hours per calendar 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) 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:

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(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.

(ii) [Reserved]

(g) If you do not install, configure, operate, and maintain your engine and control device according to the manufacturer's emission-related written instructions, or you change emission-related settings in a way that is not permitted by the manufacturer, you must demonstrate compliance as follows:

(1) N/A-

(2) If you are an owner or operator of a stationary CI internal combustion engine greater than or equal to 100 HP and less than or equal to 500 HP, you must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test to demonstrate compliance with the applicable emission standards within 1 year of startup, or within 1 year after an engine and control device is no longer installed, configured, operated, and maintained in accordance with the manufacturer's emission-related written instructions, or within 1 year after you change emission-related settings in a way that is not permitted by the manufacturer.

(3) N/A

[40 CR 60.4211(a), (c), (e), (f). (g)(2)]

TESTING

T.33. **Engine 2:** Owners and operators of stationary CI ICE with a displacement of less than 30 liters per cylinder who conduct performance tests pursuant to this subpart must do so according to paragraphs (a) through (e) of this Condition:

(a) The performance test must be conducted according to the in-use testing procedures in 40 CFR part 1039, subpart F, for stationary CI ICE with a displacement of less than 10 liters per cylinder, and according to 40 CFR part 1042, subpart F, for stationary CI ICE with a displacement of greater than or equal to 10 liters per cylinder and less than 30 liters per cylinder.

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(b) Exhaust emissions from stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR part 1039 must not exceed the not-to-exceed (NTE) standards for the same model year and maximum engine power as required in 40 CFR 1039.101(e) and 40 CFR 1039.102(g)(1), except as specified in 40 CFR 1039.104(d). This requirement starts when NTE requirements take effect for nonroad diesel engines under 40 CFR part 1039.

(c) Exhaust emissions from stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR 89.112 or 40 CFR 94.8, as applicable, must not exceed the NTE numerical requirements, rounded to the same number of decimal places as the applicable standard in 40 CFR 89.112 or 40 CFR 94.8, as applicable, determined from the following equation:

$$\text{NTE requirement for each pollutant} = (1.25) \times (\text{STD}) \qquad \text{(Eq. 1)}$$

Where:

STD = The standard specified for that pollutant in 40 CFR 89.112 or 40 CFR 94.8, as applicable.

Alternatively, stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR 89.112 or 40 CFR 94.8 may follow the testing procedures specified in 40 CFR 60.4213 of Subpart IIII, as appropriate.

(d) Exhaust emissions from stationary CI ICE that are complying with the emission standards for pre-2007 model year engines in 40 CFR 60.4204(a), 40 CFR 60.4205(a), or 40 CFR 60.4205(c) must not exceed the NTE numerical requirements, rounded to the same number of decimal places as the applicable standard in 40 CFR 60.4204(a), 40 CFR 60.4205(a), or 40 CFR 60.4205(c), determined from the equation in paragraph (c) of this Condition.

Where:

STD = The standard specified for that pollutant in 40 CFR 60.4204(a), 40 CFR 60.4205(a), or 40 CFR 60.4205(c).

Alternatively, stationary CI ICE that are complying with the emission standards for pre-2007 model year engines in 40 CFR 60.4204(a), 40 CFR 60.4205(a), or 40 CFR 60.4205(c) may follow the testing procedures specified in 40 CFR 60.4213, as appropriate.

(e) Exhaust emissions from stationary CI ICE that are complying with the emission standards for new CI engines in 40 CFR part 1042 must not exceed the NTE standards for the same model year and maximum engine power as required in 40 CFR 1042.101(c).

[40 CFR 60.4212]

NOTIFICATION, REPORTING & RECORDKEEPING

T.34. **Emergency Stationary Internal Combustion Engine-Engine 2:** If the stationary CI internal combustion engine is an emergency stationary internal combustion engine, the owner or operator is not required to submit an initial notification. Starting with the model years in Table 5 of Subpart IIII, if the emergency engine does not meet the standards applicable to non-emergency engines in the applicable model year, the owner or operator must keep records of the operation of the engine in emergency and non-emergency service that are recorded through the non-resettable hour meter. The owner must record the time of operation of the engine and the reason the engine was in operation during that time. [40 CFR 60.4214(b)]

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T.35. **Engine 2:** If you own or operate an emergency stationary CI ICE with a maximum engine power more than 100 HP that operates or is contractually obligated to be available for more than 15 hours per calendar year for the purposes specified in §60.4211(f)(2)(ii) and (iii) or that operates for the purposes specified in §60.4211(f)(3)(i), you must submit an annual report according to the requirements in paragraphs (1) through (3) of this Condition.

(1) The report must contain the following information:

(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 §60.4211(f)(2)(ii) and (iii), including the date, start time, and end time for engine operation for the purposes specified in §60.4211(f)(2)(ii) and (iii).

(vi) Number of hours the engine is contractually obligated to be available for the purposes specified in §60.4211(f)(2)(ii) and (iii).

(vii) Hours spent for operation for the purposes specified in §60.4211(f)(3)(i), including the date, start time, and end time for engine operation for the purposes specified in §60.4211(f)(3)(i). The report must also identify the entity that dispatched the engine and the situation that necessitated the dispatch of the engine.

(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 §60.4.

[40 CFR 60.4214(d)]

~~**Engine No. 5**~~

~~The following table provides important details for these emissions units~~~~:~~

~~Engine No.~~	~~Description~~	~~Displacement liters/cylinder (l/c)~~	~~Manufacturer~~	~~Fuel Fired~~	~~HP or KW Rating~~	~~Year Built~~	~~**Model No.**~~	~~**Serial #**~~

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~~5~~	~~No. 4 RB Generator Backup Generator for DCS & ESP valves (located outside south wall)~~	~~1.0~~	~~Katolight~~	~~Natural Gas~~	~~80 KW~~	~~Purchased 2008~~	~~SP Series~~	

~~*{Permitting Note: This emissions unit is regulated under 40 CFR 60, Subpart JJJJ - Standards of Performance for Stationary Spark Ignition Internal Combustion Engines.*~~

~~GENERAL REQUIREMENTS~~

~~**T.15.** Owners and operators of stationary SI ICE that commence construction after June 12, 2006, where the stationary SI ICE are manufactured:~~

~~(iii) on or after July 1, 2008, for engines with a maximum engine power less than 500 HP.~~

~~[40 CFR 60.4230(a)(4)(iii)]~~

~~EMISSION STANDARDS~~

~~**T.16.** Owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 75 KW (100 HP) (except gasoline and rich burn engines that use LPG) must comply with the emission standards in Table 1 to this subpart for their stationary SI ICE. For owners and operators of stationary SI ICE with a maximum engine power greater than or equal to 100 HP (except gasoline and rich burn engines that use LPG) manufactured prior to January 1, 2011 that were certified to the certification emission standards in 40 CFR part 1048 applicable to engines that are not severe duty engines, if such stationary SI ICE was certified to a carbon monoxide (CO) standard above the standard in Table 1 to this subpart, then the owners and operators may meet the CO certification (not field testing) standard for which the engine was certified.~~

~~Engine type and fuel~~	~~Maximum engine power~~	~~Manufacture date~~	~~Emission Standards[a]~~					
			~~g/HP-hr~~			~~ppmvd at 15% O_2~~		
			~~NO_x~~	~~CO~~	~~VOC[d]~~	~~NO_x~~	~~CO~~	~~VOC[d]~~
~~Emergency~~	~~25>HP<130~~	~~1/1/2009~~	~~[e]10~~	~~387~~	~~na~~	~~na~~	~~na~~	~~na~~

~~[e] The emission standards applicable to emergency engines between 25 HP and 130 HP are in terms of NO_x+HC.~~

~~[40CFR 60.4233(e), Table 1]~~

~~**T.17**. Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine.~~

~~[40 CFR 60.4234]~~

~~**T.18.** For emergency stationary SI ICE with a maximum engine power of greater than 19 KW (25 HP), owners and operators may not install engines that do not meet the applicable requirements in 40 CFR 60.4233 after January 1, 2011.~~

~~[40CFR 60.4236(e)]~~

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~~**MONITORING REQUIREMENTS**~~

~~**T.19. Owner or Operator of an Emergency Stationary SI Internal Combustion Engine:** If you are an owner or operator of an emergency stationary SI internal combustion engine that is less than 130 HP, was built on or after July 1, 2008, and does not meet the standards applicable to non-emergency engines, you must install a non-resettable hour meter upon startup of your emergency engine.~~

~~[40 CFR 60.4237(c)]~~

~~**COMPLIANCE REQUIREMENTS**~~

~~**T.20.** Owner or Operator must keep a maintenance plan and records of conducted maintenance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions. In addition, you must conduct an initial performance test to demonstrate compliance.~~

~~[40 CFR 60. 60.4243(c)]~~

~~**T.21.** Emergency stationary ICE may be operated for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by Federal, State or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year. There is no time limit on the use of emergency stationary ICE in emergency situations.~~

~~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 ICE beyond 100 hours per year. Emergency stationary ICE may operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing. The 50 hours per year for non-emergency situations cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. For owners and operators of emergency engines, any operation other than emergency operation, maintenance and testing, and operation in non-emergency situations for 50 hours per year, as permitted in this section, is prohibited.~~

~~[40 CFR 60. 60.4243(d)]~~

~~**TESTING**~~

~~**T.22**. Owners and operators of stationary SI ICE who conduct performance tests must follow the procedures in paragraphs (a) through (f) of this section.~~

~~(a) Each performance test must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and according to the requirements in 40 CFR 60.8 and under the specific conditions that are specified by Table 2 to this subpart.~~

~~(b) You may not conduct performance tests during periods of startup, shutdown, or malfunction, as specified in 40 CFR 60.8(c). If your stationary SI internal combustion engine is non-operational, you do not need to startup the engine solely to conduct a performance test; however, you must conduct the performance test immediately upon startup of the engine.~~

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~~(c) You must conduct three separate test runs for each performance test required in this section, as specified in 40 CFR 60.8(f). Each test run must be conducted within 10 percent of 100 percent peak (or the highest achievable) load and last at least 1 hour.~~

~~(d) To determine compliance with the NO_X mass per unit output emission limitation, convert the concentration of NO_X in the engine exhaust using Equation 1 of this section:~~

$$ER = \frac{C_d \times 1.912 \times 10^{-3} \times Q \times T}{HP - hr} \quad \text{(Eq. 1)}$$

~~Where:~~

~~ER = Emission rate of NO_X in g/HP-hr.~~

~~C_d = Measured NO_X concentration in parts per million by volume (ppmv).~~

~~1.912×10^{-3} = Conversion constant for ppm NO_X to grams per standard cubic meter at 20 degrees Celsius.~~

~~Q = Stack gas volumetric flow rate, in standard cubic meter per hour, dry basis.~~

~~T = Time of test run, in hours.~~

~~HP-hr = Brake work of the engine, horsepower-hour (HP-hr).~~

~~(e) To determine compliance with the CO mass per unit output emission limitation, convert the concentration of CO in the engine exhaust using Equation 2 of this section:~~

$$ER = \frac{C_d \times 1.164 \times 10^{-3} \times Q \times T}{HP - hr} \quad \text{(Eq. 2)}$$

~~Where:~~

~~ER = Emission rate of CO in g/HP-hr.~~

~~Cd= Measured CO concentration in ppmv.~~

~~1.164×10^{-3} = Conversion constant for ppm CO to grams per standard cubic meter at 20 degrees Celsius.~~

~~Q = Stack gas volumetric flow rate, in standard cubic meters per hour, dry basis.~~

~~T = Time of test run, in hours.~~

~~HP-hr = Brake work of the engine, in HP-hr.~~

~~(f) For purposes of this subpart, when calculating emissions of VOC, emissions of formaldehyde should not be included. To determine compliance with the VOC mass per unit output emission limitation, convert the concentration of VOC in the engine exhaust using Equation 3 of this section:~~

$$ER = \frac{C_d \times 1.833 \times 10^{-3} \times Q \times T}{HP - hr} \quad \text{(Eq. 3)}$$

~~Where:~~

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~~ER = Emission rate of VOC in g/HP-hr.~~

~~Cd= VOC concentration measured as propane in ppmv.~~

~~1.833×10^{-3} = Conversion constant for ppm VOC measured as propane, to grams per standard cubic meter at 20 degrees Celsius.~~

~~Q = Stack gas volumetric flow rate, in standard cubic meters per hour, dry basis.~~

~~T = Time of test run, in hours.~~

~~HP-hr = Brake work of the engine, in HP-hr.~~

~~(g) If the owner/operator chooses to measure VOC emissions using either Method 18 of 40 CFR part 60, appendix A, or Method 320 of 40 CFR part 63, appendix A, then it has the option of correcting the measured VOC emissions to account for the potential differences in measured values between these methods and Method 25A. The results from Method 18 and Method 320 can be corrected for response factor differences using Equations 4 and 5 of this section. The corrected VOC concentration can then be placed on a propane basis using Equation 6 of this section.~~

$$RF_i = \frac{C_{Mi}}{C_{Ai}} \qquad \text{(Eq. 4)}$$

~~Where:~~

~~RFi= Response factor of compound i when measured with EPA Method 25A.~~

~~C_Mi= Measured concentration of compound i in ppmv as carbon.~~

~~C_Ai= True concentration of compound i in ppmv as carbon.~~

$$C_{icorr} = RF_i \times C_{imeas} \qquad \text{(Eq. 5)}$$

~~Where:~~

~~Ci_{corr}= Concentration of compound i corrected to the value that would have been measured by EPA Method 25A, ppmv as carbon.~~

~~Ci_{meas}= Concentration of compound i measured by EPA Method 320, ppmv as carbon.~~

$$C_{Peq} = 0.6098 \times C_{icorr} \qquad \text{(Eq. 6)}$$

~~Where:~~

~~CPeq= Concentration of compound i in mg of propane equivalent per DSCM.~~

~~[40 CFR 60. 60.4244]~~

~~**NOTIFICATION, REPORTS, AND RECORDS**~~

~~**T.23**. Owners or operators of stationary SI ICE must meet the following notification, reporting and recordkeeping requirements.~~

~~(a) Owners and operators of all stationary SI ICE must keep records of the information in paragraphs (a)(1) through (4) of this section.~~

~~(1) All notifications submitted to comply with this subpart and all documentation supporting any notification.~~

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~~(2) Maintenance conducted on the engine.~~

~~(3) If the stationary SI internal combustion engine is a certified engine, documentation from the manufacturer that the engine is certified to meet the emission standards and information as required in 40 CFR parts 90, 1048, 1054, and 1060, as applicable.~~

~~(4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to 40 CFR 60.4243(a)(2), documentation that the engine meets the emission standards.~~

~~(b) For all stationary SI emergency ICE greater than 25 HP and less than 130 HP manufactured on or after July 1, 2008, that do not meet the standards applicable to non-emergency engines, the owner or operator of 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 emergency operation, including what classified the operation as emergency and how many hours are spent for non-emergency operation.~~

~~(d) Owners and operators of stationary SI ICE that are subject to performance testing must submit a copy of each performance test as conducted in 40 CFR 60.4244 within 60 days after the test has been completed.~~

~~[60.4245]~~

Engine No. 8

Engine No.	Description	Type	Displacement liters/cylinder (l/c)	Manufacturer	Fuel Fired	HP ~~or KW Rating~~	Year ~~Built~~ Manufactured	Year Installed	Year Rebuilt	Model No.	Serial #
8	~~Lime Kiln backup to Rotate Kiln~~ Pier No. 3 (located Lime Kiln ~~Pier 3~~)	SI 4S RB	0.63	Wisconsin Engine	LPG	~~30~~ 37 ~~HP~~	Oct 2008	4/15/2009	No	VG4D2-466002	8110001

{Permitting Note: This emissions unit is regulated under 40 CFR 60, Subpart JJJJ- Standards of Performance for Stationary Spark Ignition Internal Combustion Engines, NESHAP – 40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines adopted and incorporated by reference in Rule 62-204.800, F.A.C. Compliance with the requirements of 40 CFR 63, Subpart ZZZZ is met by meeting the requirements of 40 CFR 60, Subpart JJJJ. No further requirements of 40 CFR 63, Subpart ZZZZ apply for this engine.}

This permit section addresses a new, 4SRB, LPG, non-emergency stationary spark ignition (SI) reciprocating internal combustion engine (RICE) manufactured after June 12, 2006 with an engine displacement of less than 30 liters per cylinder located at a major source of HAP emissions.

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T.36. NESHAP, 40 CFR 63 Subpart ZZZZ Applicability-Engine 8: This diesel engine is classified as new, stationary Reciprocating Internal Combustion Engines (RICE). In accordance with 40 CFR 63.6590(c)(6) & (7), the unit must meet the requirements of 40 CFR 63 Subpart ZZZZ by complying with the 40 CFR 60 Subpart IIII standards. No further 40 CFR 63 Subpart ZZZZ standards shall apply to this engine.

[40 CFR 63.6675(def); 40 CFR 63.6585(a) & (b); 40 CFR 63.6590(a)(2)(ii); 40 CFR 63.6590(c)(4), Rule 62-204.800(8), FAC]

T.37. NSPS, 40 CFR 60, Subpart JJJJ Applicability-Engine 8: This engine is classified as a stationary internal spark ignition (SI) engine and is subject to the standards of 40 CFR 60 Subpart JJJJ.

[40 CFR 60.4230(a)(4)(iii); Rule 62-204.800(8), FAC]

T.38. NSPS, 40 CFR 60, Subpart A – General Provisions- Engine 8: The owner or operator shall comply with the applicable requirements of 40 CFR 60 Subpart A - General Provisions in §§60.1 through 60.19 stated in Table 3 of 40 CFR 60 Subpart JJJJ, which have been adopted by reference in Rule 62-204.800(8)(b)81., F.A.C., except that the Secretary is not the Administrator for purposes of 40 C.F.R. § 60.4231, 60.4232, 60.4238, 60.4239, 60.4240, 60.4241, 60.4242, and 60.4247. 40 CFR 60, Subpart A- General Provisions is an Appendix to this permit.

[40 CFR 60.4246; Table 3 to 40 CFR 60 Subpart JJJJ, Rule 62-204.800(8), FAC]

PERFORMANCE RESTRICTIONS

Essential Potential to Emit (PTE) Parameters

T.39. Authorized Fuel-Engine 8. This engine fires LPG.

[Title V Permit No. 1090005-088-AV]

T.40. New Stationary SI internal Combustion Engines at Major Source-Engine 8: Owners and operators of stationary SI ICE with a maximum engine power greater than 19 KW (25 HP) manufactured on or after the applicable date in 40 CFR 60.4230(a)(4) that are rich burn engines that use LPG must comply with the emission standards in 40 CFR 60.4231(c) for their stationary SI ICE.

40 CFR 60.4231(c): Stationary SI internal combustion engine manufacturers must certify their stationary SI ICE with a maximum engine power greater than 19 KW (25 HP) (except emergency stationary ICE with a maximum engine power greater than 25 HP and less than 130 HP) that are rich burn engines that use LPG and that are manufactured on or after the applicable date in §60.4230(a)(2), to the certification emission standards and other requirements for new nonroad SI engines in 40 CFR Part 1048.

40 CFR 1048.101(a): *Emission standards for transient testing.* Starting in the 2007 model year, transient exhaust emissions from your engines may not exceed the Tier 2 emission standards, as follows:

(1) Measure emissions using the applicable transient test procedures described in subpart F of this part.

(2) The Tier 2 HC+NO_X standard is 2.7 g/kW-hr and the Tier 2 CO standard is 4.4 g/kW-hr.

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(3) You may optionally certify your engines according to the following formula instead of the standards in paragraph (1) of this Condition: $(HC+NO_X) \times CO^{0.784} \leq 8.57$. The $HC+NO_X$ and CO emission levels you select to satisfy this formula, rounded to the nearest 0.1 g/kW-hr, become the emission standards that apply for those engines. You may not select an $HC+NO_X$ emission standard higher than 2.7 g/kW-hr or a CO emission standard higher than 20.6 g/kW-hr. The following table illustrates a range of possible values under this paragraph (3):

TABLE 1 OF §1048.101—EXAMPLES OF POSSIBLE TIER 2 DUTY-CYCLE EMISSION STANDARDS

$HC+NO_X$ (g/kW-hr)	CO (g/kW-hr)
2.7	4.4
2.2	5.6
1.7	7.9
1.3	11.1
1.0	15.5
0.8	20.6

[40 CFR 60.4231(c); 40 CFR 60.4233(c); 40 CFR 1048.101(a)]

T.41. **Engine 8:** Owners and operators of stationary SI ICE must operate and maintain stationary SI ICE that achieve the emission standards as required in 40 CFR 60.4233 over the entire life of the engine.

[40 CFR 60.4234]

COMPLIANCE REQUIREMENTS

T.42. **Engine 8:** You must comply by purchasing an engine certified to the emission standards in 40 CFR 60.4231(c), for the same engine class and maximum engine power. In addition, you must meet one of the requirements specified in (1) and (2) of this Condition.

(1) N/A

(2) If you do not operate and maintain the certified stationary SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, your engine will be considered a non-certified engine, and you must demonstrate compliance according to (2)(i) through (iii) of this Condition, as appropriate.

(i) If you are an owner or operator of a stationary SI internal combustion engine less than 100 HP, you must keep a maintenance plan and records of conducted maintenance to demonstrate compliance and must, to the extent practicable, maintain and operate the engine in a manner consistent with good air pollution control practice for minimizing emissions, but no performance testing is required if you are an owner or operator.

(ii) N/A- engine is less than 100 HP

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(iii) N/A- engine is less than 500 HP

[40 CFR 60.4243(a)]

NOTIFICATION, REPORTS, AND RECORDS

T.43. **Engine 8:** Owners or operators of stationary SI ICE must meet the following notification, reporting and recordkeeping requirements.

(a) Owners and operators of all stationary SI ICE must keep records of the information in paragraphs (a)(1) through (4) of this condition.

(1) All notifications submitted to comply with 40 CFR 60 Subpart JJJJ and all documentation supporting any notification.

(2) Maintenance conducted on the engine.

(3) N/A- engine is not a certified engine.

(4) If the stationary SI internal combustion engine is not a certified engine or is a certified engine operating in a non-certified manner and subject to 40 CFR 60.4243(a)(2), documentation that the engine meets the emission standards.

(b) N/A – engine is not a stationary SI emergency ICE.

(c) N/A – engine less than 500 HP

(d) N/A – performance testing not required per 60.4243(a)(2)(i).

[40 CFF 60.4245]

Engine Nos. 9, 10, 11

Engine No.	Description	Type	Displacement liters/cylinder (l/c)	Manufacturer Name	Fuel Fired	HP ~~or KW Rating~~	Year ~~Built~~ Manufactured	Year Installed	Year Rebuilt	Model No.	Serial #
9	#2 Storm Water Pump Located at Landfill	CI	1.13	John Deere	Diesel	42	10/26/1998	2001	No	4045DF150	---
10	#4 Storm Water Pump Located at Landfill	CI	1.13	John Deere	Diesel	42	5/24/2000	2001	No	4045DF150B	---
11	#5 Storm Water Pump Located at Landfill	CI	0.67	Deutz	Diesel	32	1999	5/1/2014	No	F3L1011	---

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{Permitting Note: These emissions units are regulated under NESHAP – 40 CFR 63, Subpart ZZZZ, National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines adopted and incorporated by reference in Rule 62-204.800, F.A.C. }

This permit section addresses "existing" stationary CI RICE less than or equal to 500 HP that are located at a major source of HAP and that have not been modified or reconstructed after 6/12/2006. ***Unless the CI RICE are modified or reconstructed after 7/11/2005, NSPS 40 CFR 60, Subpart IIII will not apply.***

T.44. NESHAP, 40 CFR 63 Subpart ZZZZ Applicability - Engines Nos. 9, 10, 11: These engines are classified as existing, stationary Reciprocating Internal Combustion Engines (RICE) and shall comply with applicable provisions of 40 CFR 63 Subpart ZZZZ.

[40 CFR 63.6675(def); 40 CFR 63.6585(a) & (b); 40 CFR 63.6590(a)(1)(ii); Rule 62-204.800(8), FAC]

T.45. 40 CFR 63, Subpart A-General Provision - Engines Nos. 9, 10, 11: Table 8 of 40 CFR 63 Subpart ZZZZ, shows which parts of the General Provisions in §§63.1 through 63.15 are applicable.

[40 CFR 63.6665]

PERFORMANCE RESTRICTIONS

Emission standards

T.46. Emergency Stationary CI RICE - Engines 9, 10, 11: The engines shall comply with the following emission limitations and other requirements. Compliance with the numerical emission limitations established in this subpart is based on the results of testing the average of three 1-hour runs using the testing requirements and procedures in §63.6620 and Table 4 to this subpart:

a. Change oil and filter every 1,000 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[2].

[1]Sources have the option to utilize an oil analysis program as described in §63.6625(i) C**ondition T.47.** in order to extend the specified oil change requirement.

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

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

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T.47. Oil Analysis Program Option – Stationary CI Engine - Engines 9, 10, and 11: The owner or operator has the option of utilizing an oil analysis program in order to extend the specified oil change requirement stated in **Condition T.46.** The oil analysis must be performed at the same frequency specified for changing the oil in **Condition T.46.** 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 business 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 business days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

[40 CFR 63.6625(i)]

General compliance requirements

T.48. Continuous Compliance -Engines 9, 10, 11: You must be in compliance with the emission limitations and operating limitations in 40 CFR 63 Subpart ZZZZ that applies at all times.

[40 CFR 63.6605(a)]

T.49. Operation and Maintenance of Equipment - Engines 9, 10, 11. At all times you must operate and maintain any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. The general duty to minimize emissions does not require you to make any further efforts to reduce emissions if levels required by this standard have been achieved. Determination of whether such operation and maintenance procedures are being used will be based on information available to the Administrator which may include, but is not limited to, monitoring results, review of operation and maintenance procedures, review of operation and maintenance records, and inspection of the source.

[40 CFR 63.6605(b)]

T.50. Operation and Maintenance - Engines 9, 10, 11. The stationary RICE and after-treatment control device (if any) shall be operated and maintained according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions.

[40 CFR 63.6625(e) & (e)(1)]

T.51. Engine Startup - Engines 9, 10, 11. The owner or operator must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards applicable to all times other than startup in 40 CFR 63 Subpart ZZZZ Table 2c apply.[1]

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

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

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Monitoring Requirements

T.52. **Engines Nos. 9, 10, 11:** You must demonstrate continuous compliance with each operating limitation in **Conditions T.46.** according to methods specified below:

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

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

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

Recordkeeping requirements

T.53. **Engines Nos. 9, 10, 11:** The following records in paragraphs (a)(1)-(a)(5), (b)(1)-(b)(3) shall be kept:

(a)(1) A copy of each notification and report that you submitted to comply with this subpart, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in §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 §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 §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, you must keep the records listed in paragraphs (b)(1) through (3) of this section.

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

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

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

[40 CFR 63.6655(a),(b)]

T.54. **Engines Nos. 9, 10, 11:** The records required in **Condition T.53.** shall be kept to show continuous compliance with each emission or operating limitation in **Condition T.46.**

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

T.55. **Engines Nos. 9, 10, 11:** Records of the maintenance conducted on the stationary RICE shall be kept in order to demonstrate that the stationary RICE and after-treatment control device (if any) is operated and maintained according to the owner or operator's own maintenance plan.

[40 CFR 63.6655(e),(e)(1)]

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T.56. **Records - Engines Nos. 9, 10, 11**: Records shall meet the following:

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

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

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

[40 CFR 63.6660]

Reporting Requirements

T.57. **Engines Nos. 9, 10, 11:** Each instance shall be reported in which each emission limitation or operating limitation in **Condition T.46.** is not met. These instances are deviations from the emission and operating limitations in this subpart. These deviations must be reported according to the requirements in §63.6650.

[40 CFR 63.6640(b)]

T.58. **Engines Nos. 9, 10, 11:** Each instance shall be reported in which the requirements in Table 8 to 40 CFR 63 Subpart ZZZZ that apply are not met.

[40 CFR 63.6640(e)]

Notification requirements

T.59. **Engines Nos. 9, 10, 11:** The applicable notification requirements in §63.6645 and in 40 CFR Part 63, Subpart A shall be met. Pursuant to 40 CFR 63.6645(a)(5), the notification requirements of §§63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) are not applicable to existing stationary RICE less than 100 HP.

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

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The Following Attachments Are Included for Applicant Convenience:

Appendix A, Glossary.
Appendix ASP, ASP Number 97-B-01 (With Scrivener's Order Dated July 9, 1997).
Appendix CAM, Compliance Assurance Monitoring Plan.
Appendix I, List of Insignificant Emissions Units and/or Activities.
Appendix NESHAP, Subpart A – General Provisions.
Appendix NESHAP, Subpart S.
Appendix NESHAP, Subpart KK.
Appendix NESHAP, Subpart MM.
Appendix NESHAP, Subpart RR.
Appendix NESHAP, Subpart JJJJ.
Appendix NESHAP, Subpart ZZZZ.
Appendix NESHAP, Subpart DDDDD.
Appendix NSPS, Subpart A – General Provisions.
Appendix NSPS, Subpart Db.
Appendix NSPS, Subpart BB.
Appendix NSPS, Subpart IIII.
Appendix NSPS, Subpart JJJJ.
Appendix RR, Facility-wide Reporting Requirements.
Appendix TR, Facility-wide ~~RATA~~ Testing Requirements.
Appendix TV, Title V General Conditions.
Appendix U, List of Unregulated Emissions Units and/or Activities.

Figure 1, Summary Report-Gaseous and Opacity Excess Emission and Monitoring System Performance (40 CFR 60, July, 1996).
Table H, Permit History.
Table 1, Summary of Air Pollutant Standards and Terms.
Table 2, Compliance Requirements.
Etc.

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