

Mission:
To protect, promote & improve the health
of all people in Florida through integrated
state, county & community efforts.



Rick Scott
Governor

John H. Armstrong, MD, FACS
State Surgeon General & Secretary

Vision: To be the Healthiest State in the Nation

PERMITTEE

South Florida Water Management District 3301 Gun Road Club, Dept. 5300 West Palm Beach, FL 33406 Authorized Representative: Mr. Joel Arrieta, Director, Field Operations, Operations and Maintenance Resources	Air Permit No. 0990350-009-AC Permit Expires: DRAFT South Florida Water Management District – Pump Station S-6 Project: Air Construction Permit Modification to add a 79bhp (79kw) Cummins emergency generator at the telemetry tower at Pump Station S-6.
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PROJECT

This is the DRAFT air construction permit, which authorizes the South Florida Water Management District to add a Cummins 79bhp (50 kW) emergency generator at the telemetry tower adjacent to Pump Station S-6. When commercial power is not available, this generator will be used to support power backup for the data telemetry tower. The facility is categorized under Standard Industrial Classification No. 9511. This existing facility located on the Hillsborough Canal where the northern corner of Water Conservation Area 2-A meets with the western edge of Water Conservation Area 1 (L-6, L-7, L-15, and L-39), near the city of Belle Glade. The UTM coordinates are Zone 17; 555.23 km E; 2928.06 km N; **Latitude:** 26° 28' 19" N / **Longitude:** 80° 26' 45" W.

This DRAFT permit is organized into the following sections: Section 1 (General Information); Section 2 (Administrative Requirements); Section 3 (Emissions Unit Specific Conditions); and Section 4 (Appendices). Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in **Appendix A** of Section 4 of this permit.

STATEMENT OF BASIS

This air pollution construction permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

Upon issuance of this DRAFT permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Health Palm Beach County, Legal Section, 800 Clematis St. (P.O. Box 29), 4th Floor, West Palm Beach, Florida 33401, Telephone: (561) 837-5900, Fax (561) 837-5295, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

ISSUED BY:

Executed in West Palm Beach, Florida

FLORIDA DEPARTMENT OF HEALTH PALM BEACH COUNTY

DRAFT

Laxmana Tallam, P.E., Environmental Administrator
Air and Waste Section

CERTIFICATE OF SERVICE

Joel Arrieta, Responsible Official, South Florida Water Management District (jarrieta@sfwmd.gov)

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Ms. Heather Ceron, US EPA Region 4 (ceron.heather@epa.gov)

FILING AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.

Paul Halanek
9/31/15
(DATE)

SECTION 1. GENERAL INFORMATION (DRAFT)

FACILITY DESCRIPTION

The existing facility consists of the following emissions units.

ID No.	Status	Emission Unit Description
001	Inactive	Stationary Internal Combustion Engines – Three Six Cylinder 1240BHP Engines Driving Three Pumps, Two 252BHP Emergency Generators And One 60 Hp Diesel Engine Powering One Standby Air Compressor
002/003	Exempt/ Insignificant	Volatile Organic Liquid Storage Tanks – Two 25,000-gallon aboveground storage tanks, four 250 gallon aboveground day tanks less than 40 cubic meters in capacity and miscellaneous coating activities.
004	Regulated	One six-cylinder 1240bhp Caterpillar pump engine Model No. 3606, 144-inch vertical propeller, axial flow pump rated at 975 cubic feet of water per second at 8.3 feet of static head. Diesel Fuel consumption is approximately 66 gallons per hour (~9.3 MMbtu/hr) burning ultra-low distillate fuel oil (0.0015% S by wt.). Pump Engine #1 [S/N 8RB00403]. Engine Installed ~1999.
005	Regulated	One six-cylinder 1240bhp Caterpillar pump engine Model No. 3606, 144-inch vertical propeller, axial flow pump rated at 975 cubic feet of water per second at 8.3 feet of static head. Diesel Fuel consumption is approximately 66 gallons per hour (~9.3 MMbtu/hr) burning ultra-low distillate fuel oil (0.0015% S by wt.). Pump Engine #2 [S/N 8RB00401]. Engine Installed ~1999.
006	Regulated	One six-cylinder 1240bhp Caterpillar pump engine Model No. 3606, 144-inch vertical propeller, axial flow pump rated at 975 cubic feet of water per second at 8.3 feet of static head. Diesel Fuel consumption is approximately 66 gallons per hour (~9.3 MMbtu/hr) burning ultra-low distillate fuel oil (0.0015% S by wt.). Pump Engine #3 [S/N 8RB00397]. Engine Installed ~1999.
007	Regulated	252bhp Cummins Onan emergency generator with a fuel consumption of 13 gallons per hour (~1.9 MMbtu/hr), Generator#1 [S/N 46397802] Manufacture Date 05/24/04, [Subject to Subpart ZZZZ].
008	Regulated	252bhp Cummins Onan emergency generator with a fuel consumption of 13 gallons per hour (~1.9 MMbtu/hr), Generator #2 [S/N 60316812] Manufactured in 2004 and rebuilt in 2009 [Subject to ZZZZ].

Permit Note: The pump station was originally constructed by the U.S. Army Corps of Engineers. Ownership was transferred to the Water Management District on April 30, 1957. This facility was never required to obtain an air pollution construction or operation permit at that time because there were no applicable requirements and the primary function of these engines was emergency flood control. The Emissions Unit No. 001 is divided into three separate emissions units. The three 6-cyl Caterpillar (Model No. 3606) 1240-BHP pumps are identified as Emissions Unit No. 004, 005 and 006, and the two 252-BHP emergency power generators are identified as Emissions Unit No. 007 and 008. This was done because of emissions standard for Carbon Monoxide (CO) per Federal Regulation (40 CFR 63 Subpart ZZZZ).

PROPOSED PROJECT

Project: To add a Cummins 79bhp (50 kW) emergency generator at the telemetry tower adjacent to Pump Station S-6. When commercial power is not available, this generator will be used to support power backup for the data telemetry tower at this location.

This project will add the following emission unit.

ID No.	Status	Emission Unit Description
NEW 009	Regulated	Cummins 79bhp (50Kw) LP Generator with a fuel usage of 270 cubic foot of propane per hour, Maximum Heat Input value of 0.68 mmbtu/hr, Volumetric Flow Rate of 377.5 cfm, Exhaust Temperature of 1204F. Stack Height is 34.1 feet, Exhaust Diameter is 0.25 feet. Manufactured in 2014. [Subject to 40 CFR 60 Subpart JJJJ & 40 CFR 63 Subpart ZZZZ].

Permit history

May 18, 2015: The Health Department received concurrent application for Air Construction Permit No. (0990350-009-AC) and Title V Air Operation Permit Revision (0990350-010-AV).
June 19, 2015: The Health Department sent Request for Additional Information (RFI).
July 13, 2015: The Health Department received response to RFI.

SECTION 1. GENERAL INFORMATION (DRAFT)

FACILITY REGULATORY CLASSIFICATION

- Title III: The facility is not a major source of hazardous air pollutants (HAPs)
- Title IV: The facility will not operate units subject to the acid rain provisions of the Clean Air Act.
- Title V: The facility is a Title V major source of air pollution in accordance with Chapter 213, F.A.C. [for NOx]
- PSD: This facility is a synthetic minor source in accordance with Rule 62-212.400(PSD) F.A.C.
- RACT: The diesel engines in this facility are not subject to the Major Source NOx RACT requirements in accordance with guidance issued by the Florida Department of Environmental Protection.
- NSPS: This facility is subject to the requirements for Spark Ignition Engines, 40 CFR 60 Subpart JJJJ "Standards of Performance for Stationary Spark Ignition Internal Combustion Engines."
- NESHAP: The facility is subject to the requirements of 40 CFR Part 63 Subpart ZZZZ "National Emission Standard for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)" and 40 CFR 61 Subpart M, Asbestos.

SECTION 2. ADMINISTRATIVE REQUIREMENTS (DRAFT)

1. Permitting Authority: The permitting authority for this project is the Florida Department of Health Palm Beach County (Health Department) at P.O. Box 29 (800 Clematis Street), West Palm Beach, Florida, 33402-0029, and telephone number (561) 837-5900. **[Specific Operating Agreement]**
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Florida Department of Health Palm Beach County (Health Department), 800 Clematis St., P.O. Box 29, West Palm Beach, Florida 33402-0029. **[Specific Operating Agreement]**
3. Appendices: The following Appendices are attached as a part of this permit: **Appendix A** (Citation Formats and Glossary of Common Terms); **Appendix B** (General Conditions); **Appendix C** (Common Testing Requirements).
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. **[Rule 62-4.080, F.A.C.]**
6. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. **[Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]**
7. Construction and Expiration: The expiration date shown on the first page of this permit provides time to complete the physical construction activities authorized by this permit, complete any necessary compliance testing, and obtain an operation permit. Notwithstanding this expiration date, all specific emissions limitations and operating requirements established by this permit shall remain in effect until the facility or emissions unit is permanently shut down. For good cause, the permittee may request that a permit be extended. Pursuant to Rule 62-4.080(3), F.A.C., such a request shall be submitted to the Permitting Authority in writing before the permit expires. **[Rules 62-4.070(4), 62-4.080 & 62-210.300(1), F.A.C.]**
8. Source Obligation:
 - a. At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.
 - b. At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.
[Rule 62-212.400(12), F.A.C.]

OPERATING RESTRICTIONS

9. Permitted Capacity: The permittee shall not allow, cause, suffer or permit the operation of the facility in excess of the following without prior authorization from the Permitting Authority:

Annual Fuel Consumption: Annual fuel consumption for the pump station, including all support equipment, **shall not exceed 751,166 gallons** of #2 Distillate Fuel oil per any consecutive 12 months, rolling total.

LP generator – Hours of operation: Annual hours of operation for the LP generator **shall not exceed 800 hours in any consecutive 12 months**, rolling total.

SECTION 2. ADMINISTRATIVE REQUIREMENTS (DRAFT)

{Permitting Note: The 800 hours of operation of the LP generator results in NOx emissions of 0.48 tons per year. Based on the above limits, the total NOx emissions from the facility are limited to 246.72 tons per year}

EMISSION LIMITING STANDARDS

10. General Particulate Emission Limiting Standards: Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, the permittee shall not:
 - (a) Cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as No. 1 on the Ringelmann Chart (20 percent opacity). **[Rule 62-296.320(4)(b)1., F.A.C.]**
 - (b) If the presence of uncombined water is the only reason for failure to meet the visible emissions standards given in Rule 62-296.320(4)1, F.A.C., such failure shall not be a violation of the rule. **[Rule 62-296.320(4)(b)3, F.A.C.]**
 - (c) All visible emissions test performed pursuant to the requirements of Rule 62-296.320(b)(4)1, F.A.C. shall use EPA Reference Method 9, and shall meet all applicable requirements of Chapter 62-297, F.A.C. **[Rule 62-296.320(4)(b)1, F.A.C.]**
11. Prevention of Accidental Releases (Section 112(r) of CAA): At such time as the requirements of 40 CFR Part 68 are applicable to this source, the permittee shall: **[Section 112(r)(7)(B)(iii) of the CAA & 40 CFR Part 68, Section 252.941(1)(c), F.S.]**
 - (a) Submit a Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office RMP Reporting Center.
 - (b) Report to the appropriate representative of the Department of Community Affairs, 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 permittee is required to report the release to the United States Environmental Protection Agency under Section 112(r)(6) of the Clean Air Act (CAA).
 - (c) 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.

Note: Currently the substances stored at this facility are distillate fuel and propane which are used as fuel. Distillate fuel or its components are excluded among from the regulated substances listed in Section (r)(b) of CAA (40 CFR 68.130). The storage of propane is also well below the threshold quantity of 10,000 lbs as specified in Table 3 of 68.130. Based on this information provided by the permittee, the requirements of 40 CFR Part 68 are not applicable to this facility.
12. Objectionable Odor Prohibited: The permittee shall not cause, suffer, allow, or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. **[Rule 62-296.320(2), F.A.C.]**

*Note: An objectionable odor is defined as 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 62-210.200, F.A.C.]***
13. Volatile Organic Compounds Emissions or Organic Solvents Emissions: The permittee shall allow no person to store, pump, handle, process, load, unload, or use in any process or installation, volatile organic compounds (VOC) or organic solvents (OS) 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.]**
14. Unconfined Particulate Emission Limiting Standards: The permittee shall not 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 shall include the following:
 - (a) Paving and maintenance of roads, parking areas and yards.
 - (b) Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
 - (c) Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.

SECTION 2. ADMINISTRATIVE REQUIREMENTS (DRAFT)

- (d) Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
- (e) Landscaping or planting of vegetation.
- (f) Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
- (g) Confining abrasive blasting where possible.
- (h) Enclosure or covering of conveyor systems.

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

PERFORMANCE STANDARDS

- 15. Circumvention: The permittee shall not circumvent air pollution control equipment/methods or allow the emission of air pollutants without the equipment/methods operating properly. [Rule 62-210.650, F.A.C.]
- 16. Excess Emissions Requirements:
 - (a) Excess emissions resulting from start-up, shutdown or malfunction of these emissions units shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized, but in no case exceed two hours in any 24 hour period unless specifically authorized by the Health Department for longer duration. [Rule 62-210.700(1), F.A.C.]
 - (b) Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during start-up, shutdown, or malfunction are prohibited. [Rule 62-210.700(4), F.A.C.]
 - (c) In case of excess emissions resulting from malfunctions, the permittee shall notify the Air Pollution Control Section of the Department of Health Palm Beach County within one working day of: the nature, extent, and duration of the excess emissions; the cause of the problem; and the corrective actions being taken to prevent recurrence. [Rule 62-210.700(6), F.A.C.]
 - (d) Considering operational variations in types of industrial equipment operations affected by this rule, the Department may adjust the maximum and minimum factors to provide reasonable and practical regulatory controls consistent with the public interest. [Rule 62-210.700(5), F.A.C.]

COMPLIANCE MONITORING REQUIREMENTS

- 17. Duration: Unless otherwise specified in this permit, all records and reports required by this permit shall be kept for at least 5 years from the date the information was recorded. [Rule 62-4.160(14)(b), F.A.C.]
- 18. Test Procedures: All test methods and procedures shall be performed in accordance with the applicable requirements of Chapter 62-297, F.A.C., summarized in **Appendix C** of this permit. [Rule 62-297.310, F.A.C.]
- 19. Operational Rate During Testing: Unless otherwise stated in the applicable emission limiting standard for a rule, testing of emissions shall be conducted with the emissions unit operating at permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. [Rule 62-297.310(2), F.A.C.]
- 20. Stack Testing Facilities: The permittee shall install and maintain permanent / temporary stack testing facilities in accordance with the requirements provided in **Appendix C** of this permit. [Rule 62-297.310(6), F.A.C.]
- 21. Special Compliance Tests: When the Health Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a DEP rule or permit is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Health Department. [Rule 62-297.310(7)(b), F.A.C.]

SECTION 2. ADMINISTRATIVE REQUIREMENTS (DRAFT)

REPORTS REQUIRED

22. Annual Operations Report: The annual operating report [**DEP Form No. 62-210.900(5)**] shall be submitted to the Health Department by April 1. If the report is submitted, using the DEP's electronic annual operating report software (EAOR), there is no requirement to submit a hardcopy to DEP or the Health Department. [**Rule 62-210.370(3)(c), F.A.C.**]
23. Excess Emissions Report: If excess emissions occur, the Health Department may request a written summary report of the incident. [**Rules 62-4.130 and 62-210.700(6), F.A.C.**]
24. Notifications and reports: The permittee shall submit all compliance-related notifications and reports required by this permit to the Health Department and the Florida Department of Environmental Protection's (FDEP) Southeast District Office at:

Department of Health Palm Beach County

Air & Waste Section
Post Office Box 29
800 Clematis Street, 4th Floor
West Palm Beach, Florida 33402-0029
Telephone: (561) 837-5900
Fax: (561) 837-5295

Florida Department of Environmental Protection

Air Program, Southeast District Office
3301 Gun Club Road
West Palm Beach, Florida 33406
Telephone: (561) 681-6600
Fax: (561) 681-6790

U.S. Environmental Protection Agency, Report & Notifications: Any reports, data, notification, certifications, and requests required to be sent to the U. S. EPA should be sent to:

United States Environmental Protection Agency

Region 4
Air and EPCRA Enforcement Branch, Air Enforcement Section
61 Forsyth Street
Atlanta, GA 30303
Telephone: 404/562-9155
Fax: 404/562-9163 or 404/562-9164

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

Sub Section A

This subsection of the permit addresses the following emissions units.

EU No.	Status	Emission Unit Description
004	Regulated	One six-cylinder 1240bhp Caterpillar pump engine Model No. 3606 , 144-inch vertical propeller, axial flow pump rated at 975 cubic feet of water per second at 8.3 feet of static head. Diesel Fuel consumption is approximately 66 gallons per hour (~9.3 MMBtu/hr) burning ultra-low distillate fuel oil (0.0015% S by wt.). Pump Engine #1 [S/N 8RB00403]. Engine Installed ~1999.
005	Regulated	One six-cylinder 1240bhp Caterpillar pump engine Model No. 3606 , 144-inch vertical propeller, axial flow pump rated at 975 cubic feet of water per second at 8.3 feet of static head. Diesel Fuel consumption is approximately 66 gallons per hour (~9.3 MMBtu/hr) burning ultra-low distillate fuel oil (0.0015% S by wt.). Pump Engine #2 [S/N 8RB00401]. Engine Installed ~1999.
006	Regulated	One six-cylinder 1240bhp Caterpillar pump engine Model No. 3606 , 144-inch vertical propeller, axial flow pump rated at 975 cubic feet of water per second at 8.3 feet of static head. Diesel Fuel consumption is approximately 66 gallons per hour (~9.3 MMBtu/hr) burning ultra-low distillate fuel oil (0.0015% S by wt.). Pump Engine #3 [S/N 8RB00397]. Engine Installed ~1999.

NOTE: THE EMISSION UNITS LISTED ABOVE ARE SUBJECT TO 40 CFR PART 63 SUBPART ZZZZ "NATIONAL EMISSIONS STANDARDS FOR HAZARDOUS AIR POLLUTANTS FOR STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINES (RICE)". THE EMISSIONS UNITS SHALL COMPLY WITH THE APPLICABLE REQUIREMENTS OF THE 40 CFR PART 63 SUBPART ZZZZ.

PERFORMANCE RESTRICTIONS

- Permitted Capacity.** The permittee shall not allow, cause, suffer or permit the operation of the unit in excess of the following without prior authorization from the Permitting Authority:
 - Annual Fuel Consumption:** The permittee shall comply with the annual fuel consumption requirement specified in **Section 2, Condition 9** of this permit. **[Rule 62-210.200(PTE), F.A.C.]**
- Methods of Operation:** The permittee shall not allow, cause, suffer or permit any change in the method(s) of operation resulting in increased short-term or long-term emissions, without prior authorization from the Permitting Authority.
- Authorized Fuel:** *Fuel:* The permittee is authorized to use only diesel fuel that meets the following requirements of 40 CFR 80.510(b). **[40 CFR 63.6604]**
 - Maximum Sulfur content of 15 ppm.*
 - Cetane index or aromatic content, as follows:*
 - A minimum cetane index of 40; or*
 - A maximum aromatic content of 35 volume percent.*

- Restricted Operation:** The hours of operation are not limited (8760 hours per year).

[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

- Operating Limitation:** The permittee shall meet the following operating limitation:
 - Maintain the catalyst so that the pressure drop across the catalyst does not change by more than 2 inches of water from the pressure drop across the catalyst that was measured during the initial performance test.
 - Maintain the temperature of the engine's exhaust so that the catalysts inlet temperature is greater than or equal to 450 degrees F and less than or equal to 1350 degrees F.

[40 CFR 63.6630(b); Table 2b, 40 CFR 63.7(e) and Table 2b of 40 CFR 63 Subpart ZZZZ]

{Permit Note: The facility has complied with this requirement with initial CO Stack test on 08/27/2013.}

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

Sub Section A

EMISSIONS STANDARDS

6. Emission Limitations: The permittee shall meet the following requirements, except during periods of startup:

(a) Limit concentration of carbon Monoxide (CO) in the exhaust to 23 ppmvd at 15% Oxygen (O₂);

or

(b) Reduce CO Emissions by 70% percent or more.

[40 CFR 63.6603(a)]

TESTING REQUIREMENTS

7. Test Requirements: The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. Tests shall be conducted in accordance with the applicable requirements specified in **Appendix C** (Common Testing Requirements) of this permit. [Rule 62-297.310(9), F.A.C.]

{Permit Note: The facility has complied with this requirement with initial CO Stack test on 08/27/2013.}

8. Test Methods: Required tests shall be performed in accordance with the following reference methods

Method	Description of Method and Comments
3A	Traverse Points, Velocity and Flow Rate, Gas Analysis, and Moisture Content
10	Determination of Carbon Monoxide Emissions from Stationary Sources {Note: The method shall be based on a continuous sampling train.}

The above methods are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department. [Rules 62-204.800, F.A.C.; and Appendix A of 40 CFR 60]

9. Subsequent Performance Test: The permittee shall conduct subsequent performance tests as specified in every 8,760 hours or 3 years, whichever comes first. [40 CFR 63.6615]

10. Performance Test Procedure: The permittee shall use the following performance test procedure [40 CFR 63.6620]:

- (a) Each performance test must be conducted according to the requirements specified in **Specific Conditions 8** and **9**. If the permittee operates a non-operational stationary RICE that is subject to performance testing, the permittee does not need to start up the engine solely to conduct the performance test. The permittee can conduct the performance test when the engine is started up again. [40 CFR 63.6620(a) & (b)]
- (b) The permittee must conduct three separate test runs for each performance test required in this permit. Each test run must last at least 1 hour [40 CFR 63.6620(d)].
- (c) (1) The Permittee must use Equation 1 (below) to determine compliance with the percent reduction requirement [40 CFR 63.6620(e)](1) & (2):

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

Where:

C_i = concentration of carbon monoxide (CO) at the control device inlet,

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

R = percent reduction of CO emissions

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

Sub Section A

- (2) The Permittee must normalize the carbon monoxide (CO) concentrations at the inlet and outlet of the control device to a dry basis and to 15 percent oxygen, or an equivalent percent carbon dioxide (CO₂). If pollutant concentrations are to be corrected to 15 percent oxygen and CO₂ concentration is measured in lieu of oxygen concentration measurement, a CO₂ correction factor is needed. Calculate the CO₂ correction factor as described below [40 CFR 63.6620(e)(2)(i) through (iii)]

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

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

Where:

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

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

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

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

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

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

Where:

X_{co_2} = CO₂ correction factor, percent.

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

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

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

Where:

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

MONITORING AND COMPLIANCE REQUIREMENTS

11. **Installation of Control Technology:** The permittee shall install diesel oxidation catalyst (DOC) at each of the three 1,240 BHP engines to reduce the CO emissions to 23 ppmv @ 15% O₂ or by 70% or more as required by 40 CFR 63 Subpart ZZZZ. The proposed DOC units are Quick-Lid Catalytic Converter, manufactured by DCL International, Inc. **[Permittee request to comply with 40 CFR Part 63 Subpart ZZZZ]**
{Permit Note: The facility has complied with this requirement with initial CO Stack test on 08/27/2013.}
12. **Installation Requirements:** The permittee must comply with either paragraph (a) or paragraph (b) of this specific condition. The permittee 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. **[40 CFR 63.6625 (g)]**
- (a) Install a closed crankcase ventilation system that prevents crankcase emissions from being emitted to the atmosphere, or

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

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(b) 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.

{Permit Note: The facility has complied with this requirement by conducting the initial CO Stack test on 08/27/2013.}

13. Operation Requirements: The permittee 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 are applicable, as specified in **Specific Condition 6**.
[40 CFR 63.6625(h)]
14. Special Compliance Tests: When the Health Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in Rule 62-210, 62-212, 62-296, or 62-297, F.A.C. or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the facility to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions units and to provide a report on the results of said tests to the Health Department.
[Rule 62-297.310(7)(b), F.A.C.]
15. Annual Fuel Consumption: The permittee shall monitor compliance with the annual fuel consumption limit on a monthly basis. If the rolling 12-month total does not exceed 600,933 gallons (80% of the fuel oil consumption cap), the permittee shall continue to monitor fuel consumption on a monthly basis (rolling 12-month total). If the rolling 12-month total exceeds 600,933 gallons, the permittee shall monitor fuel consumption on a daily basis (rolling 365-day total). When the rolling 365-day total does not exceed 600,933 gallons for 30 consecutive days, monthly monitoring can be resumed.
16. Emissions Factor Verification: When the Health Department has reason to believe that the emission factor used to establish the fuel usage caps has changed, it may require the owner or operator of the emission unit to conduct compliance tests which identify the nature and quantity of pollutant emission from the emission unit and to provide a report on the results of said tests to the Department. [Rule 62-4.070(3) F.A.C.]
17. The permittee shall be in compliance with the emissions limitation as required in **Specific Condition 6** and operating limitation as required in **Specific Condition 5** at all times. [40 CFR 63.6605 (a)]
18. At all times the permittee shall 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 the permittee 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)]
19. The permittee shall report each instance in which the emissions unit did not meet each emission limitation or operating limitation specified in the permit. These instances are deviations from the emission and operating limitations specified in the permit. These deviations must be reported according to the requirements in the **Specific Condition 25**. If the permittee changes the catalyst, the permittee shall reestablish the values of the operating parameters measured during the initial performance test. When reestablishing the values of the operating parameters, the permittee shall also conduct a performance test to demonstrate that the emissions unit is meeting the required emission limitation. [40 CFR 63.6640(b)]

The permittee must also report each instance in which the emissions unit did not meet the requirements in Table 8 of Subpart ZZZZ of 40 CFR Part 63. [40 CFR 63.6640(e)]
20. Notification of Performance Tests: The permittee shall notify the Health Department in writing of the intent to conduct a performance test at least 60 calendar days before the performance test is initially scheduled to begin to allow the Florida Department of Health (Health department), upon request, to review and approve the site-specific test plan and to have an observer present during the test. [40 CFR 63.6645 (a) & 40 CFR 63.7 (b)(1)]

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21. In the event the permittee is unable to conduct the performance test on the date specified in the notification requirement specified in **Specific Condition 20** due to unforeseeable circumstances beyond his or her control, the permittee must notify the Health Department as soon as practicable and without delay prior to the scheduled performance test date and specify the date when the performance test is rescheduled. This notification of delay in conducting the performance test shall not relieve the permittee of legal responsibility for compliance with any other applicable provisions of this part or with any other applicable Federal, State, or local requirement, nor will it prevent the Health Department from implementing or enforcing this part or taking any other action under the Act. **[40 CFR 63.6645 (a) & 40 CFR 63.7 (b)(2)]**
22. Notification of Compliance Status: The Notification of Compliance Status, including the performance test results, shall be mailed before the close of business on the 60th day following the completion of the relevant compliance demonstration activities (such as initial performance test or any subsequent required performance test). Notifications may be combined as long as the due date requirement for each notification is met.
[40 CFR 63.6645 (h)]

RECORDS AND REPORTS

23. (a) For monthly fuel consumption monitoring (the rolling 12-month total does not exceed 600,933 gallons (80% of the fuel consumption cap): Within the first 15 days of each month, the permittee shall record in a written log the following information:
- (1) Gallons of diesel fuel consumed for the previous month of operation;
 - (2) Gallons of diesel fuel consumed for the previous consecutive 12 months of operation (including the previous month consumption discussed as above; and
 - (3) Hours of operation for each pump engine for the previous month of operation.
- (b) For daily fuel consumption monitoring (the rolling 12-month total does exceed 600,933 gallons: Once per day, the permittee shall record in a written log the following information:
- (1) Gallons of diesel fuel consumed for the that day of operation;
 - (2) Gallons of diesel fuel consumed for the previous consecutive 365 days of operation; and
 - (3) Hours of operation for each pump engine for that day of operation. **[Permit No. 0990350-006-AC]**
24. The permittee shall maintain the recordkeeping for the following items listed below. The recordkeeping shall be maintained in a form suitable and readily available for expeditious inspection and review for the followings. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report of record. At a minimum, the most recent 2 years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on computer floppy disks, on magnetic tape disks, or on microfiche. **[40 CFR 63.6655(a) & (d)]**
- (a) A copy of each notification and report submitted to comply with the emission and operating limitations, including all documentation supporting any Initial Notification or Notification of Compliance Status.
 - (b) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.
 - (c) Records of performance tests and performance evaluations.
 - (d) Records of all required maintenance performed on the air pollution control and monitoring equipment.
 - (e) Records of actions taken during periods of malfunction to minimize emissions in accordance with **Specific Condition 25**, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.
 - (f) The permittee must keep records required in Table 6 of the Subpart ZZZZ to show continuous compliance with each emission or operating limitations that applies.
25. Reporting Requirements: The Permittee shall submit Semiannual Compliance Report, as required in Table 7 of 40 CFR Part 63 Subpart ZZZZ, containing the following information:

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

Sub Section A

- (a) If there are no deviations from any emission limitations or operating limitations that apply to the emissions units, a statement that there were no deviations from the emission limitations or operating limitations during the reporting period.
- (b) If the emissions units had a deviation from any emission limitation or operating limitation during the reporting period, the report shall contain following information:
 - (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) The total operating time of the stationary RICE at which the deviation occurred during the reporting period.
 - (5) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.
- (c) If the emissions unit had a malfunction during the reporting period, the compliance report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by the permittee 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.
[40 CFR 63.6650(a), (c), (d)]

26. The permittee shall submit each report required in **Specific condition 25** by the date as specified below:

- (a) For semiannual Compliance reports, each Compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December 31.
- (b) For semiannual Compliance reports, each Compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.

[40 CFR 63.6650(b)]

27. The permittee must report all deviations as defined in the Subpart ZZZZ in the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If the permittee submits a Compliance report pursuant to Table 7 of the subpart ZZZZ along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the Compliance report includes all required information concerning deviations from any emission or operating limitation in this subpart, 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 permittee may have to report deviations from permit requirements to the Department.
28. Performance Tests Results: The performance test results shall be mailed as a part of Notification of Compliance Status, as specified in **Specific Condition 22** of this permit, before the close of business on the 60th day following the completion of the relevant performance tests. **[40 CFR 63.6645(h)]**
29. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in **Appendix C** (Common Testing Requirements) of this permit. **[Rule 62-297.310(10), F.A.C.]**

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

Sub Section B

This subsection of the permit addresses the following emissions units.

EU No.	Status	Emission Unit Description
007	Regulated	252bhp Cummins Onan emergency generator with a fuel consumption of 13 gallons per hour (~1.9 MMbtu/hr), Generator#1 [S/N 46397802] Manufacture Date 05/24/04, [Subject to Subpart ZZZZ]. One 60bhp diesel engine powering a standby air compressor.
008	Regulated	252bhp Cummins Onan emergency generator with a fuel consumption of 13 gallons per hour (~1.9 MMbtu/hr), Generator #2 [S/N 60316812]. Manufactured in 2004 and rebuilt in 2009 [Subject to ZZZZ].

PERFORMANCE RESTRICTIONS

1. Permitted Capacity. The permittee shall not allow, cause, suffer or permit the operation of the unit in excess of the following without prior authorization from the Permitting Authority:
 - a) Annual Fuel Consumption: The permittee shall comply with the Annual Fuel Consumption requirement specified in **Section 2, Condition 9** of this permit. [Rule 62-210.200(PTE), F.A.C.]
2. Authorized Fuel: The permittee is authorized to use diesel fuel that meets the manufacturer's requirements. [Rule 62-4.070(3) and Rule 62-210.200(PTE), F.A.C.]
3. Restricted Operation: The hours of operation during an emergency are not limited (8760 hours per year), and the permittee shall not exceed the fuel cap specified in **Section 2, Condition 9**. [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

EMISSIONS STANDARDS

4. Emissions Standards:

The permittee shall meet the following requirement, except during the periods of startup:

- (a) Change oil and filter every 500 hours of operation or annually, whichever comes first;
- (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.

{Permitting note(s): 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 shown above, 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 must 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), Table 2d to Subpart ZZZZ of Part 63]

5. The permittee has the option to utilize an oil analysis program as described herein in order to extend the specified oil change requirement in the **Specific Condition 4** of this subsection. The oil analysis must be performed at the same frequency specified for changing the oil in this permit. 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 permittee is not required to change the oil. If any of the limits are exceeded, the permittee must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of the analysis are received, the permittee must change the oil within 2 days or before commencing operation,

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

Sub Section B

whichever is later. The permittee 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)]**

MONITORING REQUIREMENTS

6. The permittee shall develop a 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. **[40 CFR 63.6625(b)]**
7. The permittee shall install a non-resettable hour meter if one is not already installed. **[40 CFR 63.6625(f)]**
{Permit note: The non-resettable hour meters were installed on both generators on 05/24/2004.}
8. The permittee 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 as specified in the **Specific Condition 4 of this subsection**. **[40 CFR 63.6625(h)]**
9. The permittee shall be in compliance with the emissions limitation as required in the **Specific Condition 4 of this subsection** at all times. **[40 CFR 63.6605 (a)]**
10. At all times the permittee shall 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 the permittee 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)]**
11. The Permittee shall operate an emergency stationary RICE according to the requirements in **Specific Condition 11.(a) through (c)** of this subsection. In order for the engine to be considered an emergency stationary RICE, 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 **Specific Condition 11.(a) through (c) of this subsection**, is prohibited. If you do not operate the engine according to the requirements in **Specific Condition 11.(a) through (c) subsection**, the engine will not be considered an emergency engine under this subpart and must meet all requirements for non-emergency engines.
 - (a) There is no time limit on the use of emergency stationary RICE in emergency situations.
 - (b) You may operate your emergency stationary RICE for any combination of the purposes specified in **Specific Condition 11.(b)(1) and (2)** of this subsection for a maximum of 100 hours per calendar year. Any operation for non-emergency situations as allowed by **Specific Condition 11.(c)** of this subsection counts as part of the 100 hours per calendar year allowed by this paragraph.
 - (1) Emergency stationary RICE may be operated for maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, the regional transmission organization or equivalent balancing authority and transmission operator, or the insurance company associated with the engine. The owner or operator may petition the Administrator for approval of additional hours to be used for maintenance checks and readiness testing, but a petition is not required if the owner or operator maintains records indicating that federal, state, or local standards require maintenance and testing of emergency RICE beyond 100 hours per calendar year.
 - (2) 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.

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

Sub Section B

(c) Emergency stationary RICE located at area sources of HAP may be operated for up to 50 hours per calendar year in non-emergency situations. The 50 hours of operation in non-emergency situations are counted as part of the 100 hours per calendar year for maintenance and testing and emergency demand response provided in **Specific Condition 11.(b) of this subsection**. Except as provided in **Specific Condition 11.(b)(1) of this subsection**, 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.

[40 CFR 63.6640 (f)]

12. The permittee shall report each instance in which the emissions unit did not meet each emission limitation or operating limitation specified in the permit. These instances are deviations from the emission and operating limitations specified in the permit. These deviations must be reported according to the requirements in the **Specific Condition 13 of this subsection**.

[40 CFR 63.6640 (b)]

RECORDS AND REPORTS

13. The permittee shall maintain the recordkeeping for the following items listed below. The recordkeeping shall be maintained in a form suitable and readily available for expeditious inspection and review for the followings. The files shall be retained for at least 5 years following the date of each occurrence, measurement, maintenance, corrective action, report of record. At a minimum, the most recent 2 years of data shall be retained on site. The remaining 3 years of data may be retained off site. Such files may be maintained on microfilm, on a computer, on computer floppy disks, on magnetic tape disks, or on microfiche.

(a) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment. **[40 CFR 63.6655(a)(2)]**

(b) Records of all required maintenance performed on the air pollution control and monitoring equipment. **[40 CFR 63.6655(a)(4)]**

(c) Records of actions taken during periods of malfunction to minimize emissions in accordance with **Specific Condition 12 of this subsection**., including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation. **[40 CFR 63.6655(a)(5)]**

14. The permittee shall keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the permittee operated and maintained the stationary RICE and after-treatment control device (if any) according to the maintenance plan. **[40 CFR 63.6655(e)]**

15. **The permittee shall keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter.** The permittee 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 permittee must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response. **[40 CFR 63.6655(f)]**

{Permit note: The non-resettable hour meter reporting was established when they were installed on both generators on 05/24/2004.}

16. The permittee shall keep records of the amount of fuel consumed by the generators on a monthly basis. The permittee shall follow the frequency of maintaining the fuel consumption records as required in the **specific condition 23 of this subsection**. The permittee shall take the fuel consumed by the generators into account in demonstrating compliance with the facility wide condition **Section 2, Condition 9** of this permit. **[Rule 62-4.070(3), F.A.C.]**

17. **Test Reports:** The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in **Appendix C** (Common Testing Requirements) of this permit. The owner or owner's authorized agent of an emissions unit for which an emissions test is required shall submit a written test report to the compliance authority specified by permit, on the results of each such test as soon as practicable but no later than 45 days after the last run of each test is completed. Test reports may be submitted electronically. **[Rule 62-297.310(10), F.A.C.]**

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

Sub Section C

This subsection of the permit addresses the following emissions unit.

EU No.	Status	Emission Unit Description
NEW 009	Regulated	Cummins 79bhp (50 kilowatt) LP Generator with a fuel usage of 270 cubic foot per hour, Maximum Heat Input value of 0.68 mmbtu/hr, Volumetric Flow Rate of 377.5 cfm, Exhaust Temperature of 1204°F. Stack Height is 34.1 feet, Exhaust Diameter is 0.25 feet. Manufactured in 2014. [Subject to 40 CFR 60 Subpart JJJJ & 40 CFR 63 Subpart ZZZZ].

Since this emissions unit was manufactured in 2014, it is subject to the regulations of 40 CFR 60 Subpart JJJJ and 40 CFR 63 Subpart ZZZZ. This emissions unit is classified as a new spark ignition (SI) engine in these regulations.

RULE APPLICABILITY

1. NESHAP Subpart ZZZZ

This Emission Unit is subject to 40 CFR 63 Subpart ZZZZ "National Emission Standard for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)."

[40 CFR 63.6590(a)(2)(iii) & 40 CFR 63.6590(c)(1)]

2. NSPS Subpart JJJJ

This emission unit is subject to 40 CFR 60 Subpart JJJJ "Standards of Performance for Stationary Spark Ignition Internal Combustion Engines." **[40 CFR 60.4230(4)]**

PERFORMANCE RESTRICTIONS

2. Hours of Operation: The hours of operation of this emission unit are **limited to 800 hours** in any 12 consecutive months, rolling total. **NOx is 0.48 tons/year.**
[Applicant's request to escape the PSD Regulations]

{Permitting Note: Based on the above limitation on hours of operation, the emissions of NOx from this emission unit are limited to 0.48 tons per year.}

4. Hours of Operation: This emissions unit may operate up to 100 hours per year for maintenance checks and readiness testing purposes. **[Rule 40 CFR 60.6243(2)]**

EMISSIONS STANDARDS

5. Emission Limits: The Permittee must comply with the following emission standards in **Table 1** below.. **[40 CFR 60.4233(d)]**

Table 1 to Subpart JJJJ of Part 60—NO_x, CO, and VOC Emission Standards for **Stationary Emergency Engines >25 HP**

Engine Type and Fuel	Maximum Engine Power	Manufacture Date	Emission Standards	
			g/HP-hr	
			NO _x ^a	CO
Emergency LP	25<HP<130	1/1/2009	10 ^b	387 ^c

^aThe emission standards applicable to emergency engines between 25 HP and 130 HP are in terms of NO_x + HC.

^bCummins Manufacturer certification of guarantee: NO_x+HC is 8.4 g/HP-hr.

^cCummins Manufacturer certification of guarantee: CO is 50.2 g/HP-hr.

6. The permittee must operate and maintain this emission unit to achieve the emission standards as required in 40 CFR 60.4233 **—specific condition 5 of this subsection** - over the entire life of the engine. **[40 CFR 60.4234]**

7. Operating Requirements for LP Generators:

(a) The permittee must operate and maintain the SI internal combustion engine and control device according to the manufacturer's emission-related written instructions, the permittee must keep records of conducted maintenance to demonstrate compliance, but no performance testing is required by the permittee. The permittee must also meet the

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

Sub Section C

requirements as specified in 40 CFR Part 1068, subparts A through D, as they apply, to the permittee. If the permittee adjusts engine settings according to and consistent with the manufacturer's instructions, the permittee's stationary SI internal combustion engine will not be considered out of compliance.

(b) The permittee 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.

(c) The permittee must comply with the emission standards specified in 40 CFR 60.4233(d) or (e), the permittee must demonstrate compliance according to one of the methods specified in paragraphs (c)(1) of this specific condition.

(1) Purchasing an engine certified according to procedures in **specific condition 7 of this subsection** for the same model year and demonstrating compliance according to one of the methods specified in paragraph (a) of this specific condition.

(d) The permittee 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, the permittee must conduct an initial performance test to demonstrate compliance. **[40 CFR 60.4243]**

{Permit Note: Manufacturer's emissions certification states the emissions of NO_x+HC are 8.4 Gram/HP-hr and CO are 50.2 grams/HP-hr.}

RECORD KEEPING REQUIREMENTS

8. **Records:** The permittee must meet the following notification, reporting and recordkeeping requirements.

(1) Maintenance conducted on the engine.

(2) 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. **[40 CFR 60.4245(a)]**

SECTION 4. APPENDICES**Contents**

APPENDIX	DESCRIPTION
A	Citation Formats and Glossary of Common Terms
B	General Conditions
C	Common Testing Requirements

SECTION 4. APPENDIX A
Citation Formats and Glossary of Common Terms

CITATION FORMATS

The following illustrate the formats used in the permit to identify applicable requirements from permits and regulations.

Old Permit Numbers

Example: Permit No. AC50-123456 or Permit No. AO50-123456

Where: “AC” identifies the permit as an Air Construction Permit
 “AO” identifies the permit as an Air Operation Permit
 “123456” identifies the specific permit project number

New Permit Numbers

Example: Permit Nos. 099-2222-001-AC, 099-2222-001-AF, 099-2222-001-AO, or 099-2222-001-AV

Where: “099” represents the specific county ID number in which the project is located
 “2222” represents the specific facility ID number for that county
 “001” identifies the specific permit project number
 “AC” identifies the permit as an air construction permit
 “AF” identifies the permit as a minor source federally enforceable state operation permit
 “AO” identifies the permit as a minor source air operation permit
 “AV” identifies the permit as a major Title V air operation permit

PSD Permit Numbers

Example: Permit No. PSD-FL-317

Where: “PSD” means issued pursuant to the preconstruction review requirements of the Prevention of Significant Deterioration of Air Quality
 “FL” means that the permit was issued by the State of Florida
 “317” identifies the specific permit project number

Florida Administrative Code (F.A.C.)

Example: [Rule 62-213.205, F.A.C.]

Means: Title 62, Chapter 213, Rule 205 of the Florida Administrative Code

Code of Federal Regulations (CFR)

Example: [40 CFR 60.7]

Means: Title 40, Part 60, Section 7

GLOSSARY OF COMMON TERMS

° F: degrees Fahrenheit

µg: microgram

AAQS: Ambient Air Quality Standard

acf: actual cubic feet

acfm: actual cubic feet per minute

ARMS: Air Resource Management System (Department’s database)

BACT: best available control technology

bhp: brake horsepower

Btu: British thermal units

CAM: compliance assurance monitoring

CEMS: continuous emissions monitoring system

cfm: cubic feet per minute

CFR: Code of Federal Regulations

CAA: Clean Air Act

CMS: continuous monitoring system

CO: carbon monoxide

CO₂: carbon dioxide

COMS: continuous opacity monitoring system

SECTION 4. APPENDIX A

Citation Formats and Glossary of Common Terms

DARM: Division of Air Resource Management	NSPS: New Source Performance Standards
DEP: Department of Environmental Protection	O&M: operation and maintenance
Department: Department of Environmental Protection	O₂: oxygen
dscf: dry standard cubic feet	Pb: lead
dscfm: dry standard cubic feet per minute	PM: particulate matter
EPA: Environmental Protection Agency	PM₁₀: particulate matter with a mean aerodynamic diameter of 10 microns or less
ESP: electrostatic precipitator (control system for reducing particulate matter)	ppm: parts per million
EU: emissions unit	ppmv: parts per million by volume
F: fluoride	ppmvd: parts per million by volume, dry basis
F.A.C.: Florida Administrative Code	QA: quality assurance
F.A.W.: Florida Administrative Weekly	QC: quality control
F.D.: forced draft	PSD: prevention of significant deterioration
F.S.: Florida Statutes	psi: pounds per square inch
FGD: flue gas desulfurization	PTE: potential to emit
FGR: flue gas recirculation	RACT: reasonably available control technology
ft²: square feet	RATA: relative accuracy test audit
ft³: cubic feet	RBLC: EPA's RACT/BACT/LAER Clearinghouse
gpm: gallons per minute	SAM: sulfuric acid mist
gr: grains	scf: standard cubic feet
HAP: hazardous air pollutant	scfm: standard cubic feet per minute
Hg: mercury	SIC: standard industrial classification code
I.D.: induced draft	SIP: State Implementation Plan
ID: identification	SNCR: selective non-catalytic reduction (control system used for reducing emissions of nitrogen oxides)
kPa: kilopascals	SO₂: sulfur dioxide
lb: pound	TPD: tons/day
MACT: maximum achievable control technology	TPH: tons per hour
MMBtu: million British thermal units	TPY: tons per year
MSDS: material safety data sheets	TRS: total reduced sulfur
MW: megawatt	UTM: Universal Transverse Mercator coordinate system
NESHAP: National Emissions Standards for Hazardous Air Pollutants	VE: visible emissions
NO_x: nitrogen oxides	VOC: volatile organic compounds

SECTION 4. APPENDIX B

General Conditions

The permittee shall comply with the following general conditions from Rule 62-4.160, F.A.C.

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are “permit conditions” and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.987(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
 - a. Have access to and copy any records that must be kept under conditions of the permit;
 - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and
 - c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules. Reasonable time may depend on the nature of the concern being investigated.
8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
 - a. A description of and cause of noncompliance; and
 - b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance. The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.
9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.

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General Conditions

11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
 - a. Determination of Best Available Control Technology (not applicable);
 - b. Determination of Prevention of Significant Deterioration (not applicable); and
 - c. Compliance with New Source Performance Standards (applicable).
14. The permittee shall comply with the following:
 - a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
 - b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
 - c. Records of monitoring information shall include:
 - (1) The date, exact place, and time of sampling or measurements;
 - (2) The person responsible for performing the sampling or measurements;
 - (3) The dates analyses were performed;
 - (4) The person responsible for performing the analyses;
 - (5) The analytical techniques or methods used;
 - (6) The results of such analyses.
15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

SECTION 4. APPENDIX C
Common Testing Requirements

EMISSIONS TESTING REQUIREMENTS

1. **Applicability:** Unless otherwise stated in a specific rule, permit, or other order, the general requirements set forth in subsections 62-297.310(2) through (10), F.A.C., shall be used for regulated stationary sources' emissions tests for comparison with air pollution emission-limiting standards that are enforceable under state law. An emissions test is an emissions rate test, a concentration test, or an opacity test. [Rule 62-297.310(1), F.A.C.]
2. **Required Number of Test Runs:** For emission rate or concentration limitations, an emissions test shall consist of three valid test runs to determine the total air pollutant emission rate or concentration through the test section of the stack or duct. A valid test run is a test run that meets all requirements of the applicable test method. An emissions test shall also consist of three distinct determinations of any applicable process parameters corresponding to the three distinct test run time periods during which the emission rate or concentration was measured when such data are needed in conjunction with emissions data to compare the emissions test results with the applicable emission limiting standards. Such data shall be obtained pursuant to subsection 62-297.310(6), F.A.C. The three required test runs shall be completed within one consecutive five-day period. In the event that a sample is lost or one of the three runs must be discontinued because of circumstances beyond the control of the owner or operator, and a valid third run cannot be obtained within the five day period allowed for the test, results of the two valid runs shall be accepted, provided that the arithmetic mean of the results of the two valid runs is at least 20% below the allowable emission limiting standard. [Rule 62-297.310(2), F.A.C.]
3. **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. Testing capacity is defined as at least 90% of the maximum operation rate specified by the permit. [Rule 62-297.310(3), F.A.C.]
4. **Calculation of Emission Rate or Concentration:** The emission rate or concentration used for comparison with the relevant standard shall be the arithmetic average of the emission rate or concentration determined by each of the three valid test runs unless otherwise specified in an applicable rule or test method. Data collected during periods of soot blowing shall not be excluded from any calculation of emission rate or concentration. [Rule 62-297.310(4), F.A.C.]
5. **Required Sampling Times and Observation Periods:** Unless otherwise specified in an applicable test method, rule, permit, or other order, the owner or operator shall conduct emissions tests in accordance with the following procedures:
 - a. ***Emission Rate or Concentration Tests.*** The required sampling time for each test run shall be no less than one hour and no greater than four hours, and the sampling time at each sampling point shall be of equal intervals of at least two minutes, except that for operations that are typically completed within less than the minimum required sampling time, the duration of each test run shall include each occurrence of the operation during the minimum required sampling time. The test period shall include the period of typical operation during which the highest representative emissions are expected to occur.
 - b. ***Opacity Tests.*** When EPA Method 9 is specified as the applicable opacity test method, the required minimum period of observation for a visible emissions test shall be 60 minutes for emissions units that are subject to a multiple-valued opacity standard, and 30 minutes for all other emissions units, except that for batch, cyclical processes, or other operations that are typically completed within less than the minimum observation period, the period of observation shall include each occurrence of the operation during the minimum observation period. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur.[Rule 62-297.310(5), F.A.C.]
6. **Determination of Process Parameters:**
 - a. ***Required Process Equipment.*** The owner or operator of an emissions unit for which emissions tests are required shall install, operate, and maintain equipment or instruments necessary to determine process parameters, when such data are needed in conjunction with emissions data to compare emissions test results with applicable emission limiting standards.
 - b. ***Accuracy of Process Measurement Equipment.*** Equipment or instruments used to directly or indirectly determine process parameters shall be calibrated and adjusted so as to determine the value of the process parameter to within 10% of its true value.

[Rule 62-297.310(6), F.A.C.]

SECTION 4. APPENDIX C
Common Testing Requirements

7. Required Emissions Testing Facilities:

- a. The owner or operator of an emissions unit, for which an emissions test other than a visible emissions test is required, shall provide emissions testing facilities that meet the requirements of 40 CFR 60.8(e), adopted and incorporated in Rule 62-204.800, F.A.C.
- b. *Permanent Emissions Testing Facilities.* The owner or operator of an emissions unit, for which an emissions test other than a visible emissions test is required on at least an annual basis, shall install and maintain permanent emissions testing facilities.
- c. *Temporary Emissions Testing Facilities.* The owner or operator of an emissions unit that is not required to conduct an emissions test on at least an annual basis may use permanent or temporary emissions testing facilities. If the owner or operator chooses to use temporary emissions testing facilities on an emissions unit, and the Department elects to test the unit, such temporary facilities shall be installed on the emissions unit within 5 days of a request by the Department and remain on the emissions unit until the test is completed.

[Rule 62-297.310(7), F.A.C.]

8. Frequency of Emissions Tests: The following provisions apply only to those emissions units that are subject to an emissions-limiting standard for which emissions testing is required.

a. *Annual Emissions Tests Required.*

- (1) Where used in Rules 62-210.310, 62-297.310, or Chapter 62-296, F.A.C., to refer to frequency of required emissions tests, the terms “annual,” “annually,” and “annually thereafter” shall mean no less frequently than once every calendar year (January 1 – December 31).
- (2) Unless exempted by subparagraph 62-297.310(8)(a)5., F.A.C., the owner or operator shall have an emissions unit tested annually for each of the following pollutants that has an emissions-limiting standard for which emissions testing is required:
 - (a) Each hazardous air pollutant regulated by 40 CFR Part 61, adopted and incorporated by reference at Rule 62-204.800, F.A.C.; and
 - (b) Any other regulated air pollutant, as defined at Rule 62-210.200, F.A.C., or a pollutant designated as a surrogate to a regulated air pollutant by an applicable rule or order, if allowable emissions equal or exceed 100 tons per year.
- (3) Unless exempted by subparagraph 62-297.310(8)(a)5., F.A.C., the owner or operator shall have an emissions unit tested annually for visible emissions, if there is an applicable standard other than the general opacity standard of subparagraph 62-296.320(4)(b)1., F.A.C.
- (4) Unless exempted by subparagraph 62-297.310(8)(a)5., F.A.C., the owner or operator shall have an emissions unit tested annually if a rule, permit or other order issued after March 9, 2015, requires an initial emissions test but is silent as to the frequency of additional testing. A rule, permit, or other order that states that no further testing is required after an initial test, or which expressly lists or describes the tests that shall be conducted annually, is not considered silent as to the frequency of additional testing. Annual testing is not required where a permit or other order issued prior to March 9, 2015, is silent as to the frequency of additional testing.
- (5) Exemptions from subparagraphs 62-297.310(8)(a)2., 3., and 4., F.A.C.
 - (a) An annual emissions test shall not be required for any pollutant for which a rule, permit, or other order requires emissions testing at some other specific frequency. If multiple applicable rules, permits, or other orders, other than subparagraphs 62-297.310(8)(a)2., 3., and 4., F.A.C., require different testing frequencies, testing must comply with the frequency requirements of each such rule, permit, or order.
 - (b) An annual emissions test shall not be required for any pollutant for which a rule, permit, or other order requires that the pollutant emissions be measured by a continuous emission monitoring system and, either that system meets the performance specifications and quality assurance and quality control measures of 40 CFR part 60, adopted and incorporated in Rule 62-204.800, F.A.C., or that system meets the performance specifications and quality assurance and quality control measures of 40 CFR part 75, adopted and incorporated in Rule 62-204.800, F.A.C.
 - (c) An annual emissions test shall not be required for visible emissions for which a rule, permit, or other order

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requires that emissions be measured by a continuous opacity monitoring system, and that system meets the performance specifications and quality assurance and quality control measures of 40 CFR part 60, adopted and incorporated in Rule 62-204.800, F.A.C., and the manufacturer's recommended quality assurance and quality control measures.

- (d) An annual emissions test shall not be required for any emissions unit that operated for 400 hours or less (including during startup and shutdown) during the calendar year. If an emission unit operates for more than 400 hours during the calendar year, an emissions test shall be completed no later than 60 days after the emissions unit's annual operation exceeds 400 hours, or by the end of the calendar year, whichever is later.
 - (e) An annual emissions test shall not be required for any emissions unit with emissions generated solely from the combustion of fuel, provided that the emissions unit does not burn any liquid fuel or solid fuel or fuel blend for more than 400 hours combined, other than during startup, during the calendar year. If an emissions unit's liquid fuel or solid fuel or fuel blend burning exceeds 400 hours combined during the calendar year, other than during startup, an emissions test shall be completed no later than 60 days after the emissions unit's liquid fuel or solid fuel or fuel blend burning exceeds 400 hours combined, or by the end of the calendar year, whichever is later.
 - (f) An annual emissions test shall not be required for each fuel-specific emissions limit, provided the fuel or fuel blend subject to a fuel-specific limit was not burned for more than 400 hours, other than during startup, during the calendar year. If an emissions unit burns a fuel or fuel blend subject to a fuel-specific emission limit for more than 400 hours, other than during startup, during the calendar year, an emissions test for that fuel or fuel blend shall be completed no later than 60 days after the unit's burning of that fuel or fuel blend exceeds 400 hours, or by the end of the calendar year, whichever is later.
 - (g) An emissions unit shall not be required to start up for the sole purpose of conducting an emissions test to meet the frequency requirements of subsection 62-297.310(8), F.A.C. In such a case, an emissions test shall be completed no later than 60 days after the emissions unit next starts up.
 - (h) An emissions unit permitted to burn multiple fuels or fuel blends shall not be required to switch fuels for the sole purpose of conducting an annual emissions test to meet the frequency requirements of subsection 62-297.310(8), F.A.C. In such a case, an emissions test shall be completed no later than 60 days after a switch is made to burn the fuel or fuel blend for which testing is required.
 - (i) An annual emissions test for visible emissions shall not be required for emissions units exempted from air permitting pursuant to paragraphs 62-210.300(3)(a) or (b), F.A.C.; emissions units determined to be insignificant pursuant to paragraph 62-213.430(6)(b), F.A.C.; or emissions units authorized pursuant to the general permit provisions in subsection 62-210.300(4), F.A.C., unless the general permit specifically requires such testing.
- b. *Emissions Tests Prior to Obtaining an Air Operation Permit.*
- (1) Unless exempted by subparagraph 62-297.310(8)(b)3., F.A.C., prior to obtaining an initial or renewal air operation permit for any emissions unit that is subject to any emission-limiting standard, the owner or operator shall have an emissions test conducted for each such standard to assist in providing reasonable assurance, per Rule 62-4.070, F.A.C., that the emission-limiting standard can be met and shall submit the test report as specified in subsection 62-297.310(10), F.A.C. For an emissions unit at a Title V source, such prior emissions testing is not required provided that an emissions testing compliance plan is included in the Title V permit.
 - (2) For the purpose of renewal of an air operation permit, the owner or operator may satisfy the requirements of subparagraph 62-297.310(8)(b)1., F.A.C., for any emissions unit by submitting the most recent emissions test, as specified in subsection 62-297.310(10), F.A.C., provided such test occurred within the term of the current operating permit.
 - (3) Exemptions from subparagraph 62-297.310(8)(b)1., F.A.C.
 - (a) An emissions test shall not be required for any pollutant for which a rule, permit, or other order requires that the emissions be measured by a continuous emission monitoring system and, either that system meets the performance specifications and quality assurance and quality control measures of 40 CFR part 60, adopted and incorporated in Rule 62-204.800, F.A.C., or that system meets the performance specifications and quality assurance and quality control measures of 40 CFR part 75, adopted and incorporated in Rule 62-204.800, F.A.C.

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- (b) An emissions test shall not be required for visible emissions for which a rule, permit, or other order requires that emissions be measured by a continuous opacity monitoring system, and that system meets the performance specifications and quality assurance and quality control measures of 40 CFR part 60, adopted and incorporated in Rule 62-204.800, F.A.C., and the manufacturer's recommended quality assurance and quality control measures.
 - (c) For the purpose of renewal of an air operation permit, an emissions test shall not be required for any emissions unit that, in the previous five-year period of permitted operation, operated for 400 hours or less (including during startup and shutdown) during each calendar year included in the five-year period of permitted operation. The first time an emissions unit subsequently exceeds 400 hours of operation during a calendar year, emissions must be tested no later than 60 days after 400 hours of operation is exceeded in that calendar year, or by the end of that calendar year, whichever is later.
 - (d) For the purpose of renewal of an air operation permit, an emissions test shall not be required for any emissions unit with emissions generated solely from the combustion of fuel provided that, in the previous five-year period of permitted operation, the emissions unit did not burn any liquid fuel or solid fuel or fuel blend for more than 400 hours combined, other than during startup, during each calendar year included in the five-year period of permitted operation. The first time an emissions unit subsequently burns any liquid fuel or solid fuel or fuel blend for more than 400 hours combined during a calendar year, emissions must be tested no later than 60 days after the emissions unit's combined burning of any liquid fuel or solid fuel or fuel blend exceeds 400 hours in that calendar year, or by the end of that calendar year, whichever is later.
 - (e) An emissions test shall not be required for each fuel-specific emissions limit prior to the renewal of an air operation permit for an emissions unit provided that, in the previous five-year period of permitted operation, the fuel or fuel blend subject to a fuel-specific limit was not burned for more than 400 hours, other than during startup, during each calendar year included in the five-year period of permitted operation. The first time an emissions unit subsequently burns a fuel or fuel blend subject to a fuel-specific emission limit for more than 400 hours, other than during startup, during any calendar year, an emissions test for that fuel or fuel blend must be completed no later than 60 days after the emissions unit's burning of that fuel or fuel blend exceeds 400 hours in that calendar year, or by the end of that calendar year, whichever is later.
 - (f) An emissions unit shall not be required to start up for the sole purpose of conducting an emissions test to meet the frequency requirements of subsection 62-297.310(8), F.A.C. In such a case, an emissions test shall be completed no later than 60 days after the emissions unit starts up.
 - (g) An emissions unit permitted to burn multiple fuels or fuel blends shall not be required to switch fuels for the sole purpose of conducting the emissions test to meet the frequency requirements of subsection 62-297.310(8), F.A.C. In such a case, an emissions test shall be completed no later than 60 days after a switch is made to burn the fuel or fuel blend for which testing is required.
 - (h) An emissions test for visible emissions shall not be required for emissions units exempted from air permitting pursuant to paragraphs 62-210.300(3)(a) or (b), F.A.C.; emissions units determined to be insignificant pursuant to paragraph 62-213.430(6)(b), F.A.C.; or emissions units authorized pursuant to the general permit provisions in subsection 62-210.300(4), F.A.C., unless the general permit specifically requires such testing.
- c. *Special Compliance Tests.* When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit, unless the Department obtains other information sufficient to demonstrate compliance. The owner or operator of the emissions unit shall provide a report on the results of said tests to the Department in accordance with the provisions of subsection 62-297.310(10), F.A.C.

[Rule 62-297.310(8), F.A.C.]

9. **Scheduling and Notification:** At least 15 days prior to the date on which each required emissions test is to begin, the owner or operator shall notify the air compliance program identified by permit, unless shorter notice is agreed to by the appropriate air compliance program. The notification shall include the date, time, place of each such test, Facility ID Number, Emission Unit ID Number(s) and description(s), Emission Point Number(s) and description(s), test method(s), pollutant(s) to be tested, along with the name and telephone number of the person who will be responsible for conducting such test(s) for the owner or operator. If a scheduled emissions test needs to be re-scheduled, the owner or operator shall submit to the appropriate

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air compliance program a revised notification at least seven days prior to the re-scheduled emissions test date or arrange a re-scheduled test date with the appropriate air compliance program by mutual agreement. [Rule 62-297.310(9), F.A.C.]

REPORTS

10. Test Reports:

- a. The owner or owner's authorized agent of an emissions unit for which an emissions test is required shall submit a written test report to the compliance authority specified by permit, on the results of each such test as soon as practicable but no later than 45 days after the last run of each test is completed. Test reports may be submitted electronically.
- b. If the owner or owner's authorized agent of an emissions unit for which an emissions test is required submits the results of each such test electronically using the EPA Electronic Reporting Tool (ERT), the written report specified in paragraph 62-297.310(10)(a), F.A.C., need not be submitted, provided the conditions of subparagraphs 62-297.310(10)(b)1. through 3., F.A.C., are met:
 - (1) The owner or owner's authorized agent shall submit the test information using the ERT as soon as practicable but no later than 45 days after the last run of each test is completed;
 - (2) The test information shall provide, as a minimum, the information specified in subparagraphs 62-297.310(10)(c)1. through 24., F.A.C.; and
 - (3) The compliance authority specified by permit must receive written notification, no later than 45 days after the last run of each test is completed, of the date that the test data was submitted using the ERT.
- c. The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report, other than for an EPA Method 9 test, shall provide the following information.
 - (1) The type, location, and identification number of the emissions unit tested.
 - (2) The facility at which the emissions unit is located.
 - (3) The owner and, if other than the owner, operator of the emissions unit.
 - (4) The type and amount of fuels and materials typically used and processed, and the actual types and amounts of fuels used and material processed during each test run.
 - (5) If necessary in order to compare the emissions test results with an applicable emission limiting standard, the means, raw data, and computations used to determine the amount of fuels used and materials processed.
 - (6) The type of air pollution control devices installed on the emissions unit, their general condition, their typical operating parameters, and their actual operating parameters during each test run.
 - (7) A diagram of the sampling location, including the distance to any upstream and downstream bends or other flow disturbances.
 - (8) The date, starting time, and duration of each sampling run.
 - (9) The test procedures, including any authorized alternative procedures, used.
 - (10) The number of points sampled, and the configuration and location of the sampling plane.
 - (11) For each sampling point for each run, the dry gas meter reading, velocity head, pressure drop across the stack or duct, temperatures, average meter temperatures, and sample time per point.
 - (12) The type, manufacturer, and configuration of the sampling equipment used.
 - (13) Data related to the required calibration of the test equipment.
 - (14) Data on the identification, processing, and weights of all filters used.
 - (15) Data on the types and amounts of any chemical solutions used.
 - (16) For each sampling run, data on the amount of pollutant collected from each sampling probe.
 - (17) For each sampling run, data on the amount of pollutant collected from the filters.

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- (18) For each sampling run, data on the amount of pollutant collected from the impingers.
- (19) The names of individuals who furnished the process variable data, conducted the test, analyzed the samples and prepared the report.
- (20) All measured and calculated data required to be determined by each applicable test procedure for each run.
- (21) The detailed calculations for one run that relate the collected data to the calculated emission rate or concentration, as applicable.
- (22) The applicable emission standard, and the resulting maximum allowable emission rate or concentration for the emissions unit, as applicable, plus the test result in the same form and unit of measure.
- (23) When an emissions test is conducted for the Department or its agent, the person who conducts the test shall provide the certification with respect to the test procedures used. The owner or owner's authorized agent shall certify that all data required and provided to the person conducting the test are true and correct to his or her knowledge.
- (24) For non-Title V sources, a certification by the owner or owner's authorized agent that, to his or her knowledge, all data submitted are true and correct.
- (25) Any report submitted for a Title V source shall contain certification by a responsible official. This certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.

[Rule 62-297.310(10), F.A.C.]