



**FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION**  
SOUTH DISTRICT  
P.O. BOX 2549  
FORT MYERS, FL 33902-2549  
[SouthDistrict@dep.state.fl.us](mailto:SouthDistrict@dep.state.fl.us)

RICK SCOTT  
GOVERNOR

CARLOS LOPEZ-CANTERA  
LT. GOVERNOR

JONATHAN P. STEVERSON  
SECRETARY

*Electronic Mail – Received Receipt Requested*

Gregory S. Newberry, CEO and GM  
Florida Keys Electric Cooperative Association, Inc.  
91630 Overseas Highway  
Tavernier, FL 33070

Re: Permit No. 0870004-008-AV  
Charles A. Russell Generation Facility  
Title V Permit Renewal

Dear Mr. Newberry:

Enclosed is the draft permit package to renew the Title V air operation permit for the Charles A. Russell Generation Facility. The existing facility is located in Monroe County at 3421 U.S. 1, Marathon, Florida. This permit is issued pursuant to Chapter 403, Florida Statutes.

- The Statement of Basis, which summarizes the facility, the equipment, the primary rule applicability, and the changes since the last Title V renewal.
- The renewed draft Title V air operation permit, which includes the specific permit conditions that regulate the emissions units covered by the proposed project.
- The Written Notice of Intent to Issue Air Permit provides important information regarding: the Permitting Authority's intent to issue an air permit for the proposed project; the requirements for publishing a Public Notice of the Permitting Authority's intent to issue an air permit; the procedures for submitting comments on the draft permit; the process for filing a petition for an administrative hearing; and the availability of mediation.
- The Public Notice of Intent to Issue Air Permit is the actual notice that you must have published in the legal advertisement section of a newspaper of general circulation in the area affected by this project. The Public Notice of Intent to Issue Title V Air Permit must be published as soon as possible and the proof of publication must be provided to the Department within seven days of the date of publication. If you have any questions, please contact the Project Engineer, Carter B. Endsley, P.E., by telephone at 239-344-5637 or by email at [carter.endsley@dep.state.fl.us](mailto:carter.endsley@dep.state.fl.us).

Executed in Fort Myers, Florida.

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Jon M. Iglehart  
Director of  
District Management

JMI/CBE/se

## WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

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*In the Matter of an  
Application for Title V Air Operation Permit by:*

Florida Keys Electric Cooperative Association, Inc.  
91630 Overseas Highway  
Tavernier, FL 33070

Permit No. 0870004-008-AV  
Facility ID No. 0870004

*Responsible Official:*  
Gregory S. Newberry, CEO and GM

Charles A. Russell Generation Facility  
Title V Air Operation Permit Renewal  
Monroe County, Florida

**Facility Location:** Florida Keys Electric Cooperative Association, Inc. which is located in Monroe County at 91630 Overseas Highway, Tavernier, FL 33070

**Project:** The purpose of this project is to renew Title V air operation permit No. 0870004-007-AV. Details of the project are provided in the application and the referenced Statement of Basis.

**Permitting Authority:** Applications for Title V air operation permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210 and 62-213 of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and a Title V air operation permit is required to operate the facility. The Department of Environmental Protection's South District Permitting Division is the Permitting Authority responsible for making a permit determination for this project. The Permitting Authority's physical address is: 2295 Victoria Avenue, Ste. 364, Fort Myers, Florida 33901. The Permitting Authority's mailing address is: P.O. Box 2549, Fort Myers, Florida 33902-2549. The Permitting Authority's telephone number is (239) 344-5600.

**Project File:** A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at the address indicated above for the Permitting Authority. The complete project file includes the draft permit, the Statement of Basis, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may view the draft permit by visiting the following website: <http://www.dep.state.fl.us/air/emission/apds/default.asp> and entering the permit number shown above. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address or phone number listed above.

**Notice of Intent to Issue Permit:** The Permitting Authority gives notice of its intent to issue a Title V air operation permit renewal to the applicant for the project described above. The applicant has provided reasonable assurance that continued operation of the existing equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. The Permitting Authority will issue a final permit in accordance with the conditions of the draft permit unless a response received in accordance with the following procedures results in a different decision or a significant change of terms or conditions.

**Public Notice:** Pursuant to Section 403.815, F.S. and Rules 62-110.106 and 62-210.350, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Public Notice of Intent to Issue Air Permit (Public Notice). The Public Notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected by this project. The newspaper used must meet the requirements of Sections 50.011 and 50.031, F.S. in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the Permitting Authority at the above address or phone number. Pursuant to Rule 62-110.106(5) and (9), F.A.C., the applicant shall provide proof of publication to the Permitting Authority at the above address within 7 days of publication. Failure to publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rule 62-110.106(11), F.A.C.

## WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

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**Comments:** The Permitting Authority will accept written comments concerning the draft Title V air operation permit for a period of 30 days from the date of publication of the Public Notice. Written comments must be received by the close of business (5:00 p.m.), on or before the end of this 30-day period by the Permitting Authority at the above address. As part of his or her comments, any person may also request that the Permitting Authority hold a public meeting on this permitting action. If the Permitting Authority determines there is sufficient interest for a public meeting, it will publish notice of the time, date, and location in the Florida Administrative Register (FAR). If a public meeting is requested within the 30-day comment period and conducted by the Permitting Authority, any oral and written comments received during the public meeting will also be considered by the Permitting Authority. If timely received written comments or comments received at a public meeting result in a significant change to the draft permit, the Permitting Authority shall issue a revised draft permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection. For additional information, contact the Permitting Authority at the above address or phone number.

**Petitions:** A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. Petitions filed by the applicant or any of the parties listed below must be filed within 14 days of receipt of this written notice of Intent to Issue Air Permit. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of the attached Public Notice or within 14 days of receipt of this written notice of Intent to Issue Air Permit, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 14 days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. A petition for administrative hearing must contain the information set forth below and must be filed (received) with the Agency Clerk in the Office of General Counsel, 3900 Commonwealth Boulevard, MS 35, Tallahassee, Florida 32399-3000, [Agency.Clerk@dep.state.fl.us](mailto:Agency.Clerk@dep.state.fl.us), before the deadline. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, any email address, telephone number and any facsimile number of the petitioner; the name, address, any email address, telephone number, and any facsimile number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of when and how each petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action including an explanation of how the alleged facts relate to the specific rules or statutes; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

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

**WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT**

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**Mediation:** Mediation is not available in this proceeding.

**Objections:** Finally, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within 60 days of the expiration of the Administrator's 45-day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to the issuance of any Title V air operation permit. Any petition shall be based only on objections to the permit that were raised with reasonable specificity during the 30-day public comment period provided in the Public Notice, unless the petitioner demonstrates to the Administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C. Section 7661d(b)(2) and must be filed with the Administrator of the EPA at: U.S. EPA, 401 M Street, S.W., Washington, D.C. 20460. For more information regarding EPA review and objections, visit EPA's Region 4 web site at <http://www.epa.gov/region4/air/permits/florida.htm>.

Executed in Fort Myers, Florida.



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Jon M. Iglehart  
Director of  
District Management

**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this written notice of Intent to Issue Title V Air Operation Permit Renewal (including the Public Notice, the Statement of Basis, and the draft permit), or a link to these documents available electronically on a publicly accessible server, was sent by electronic mail with received receipt requested to the persons listed below:

Mr. Gregory S. Newberry, FKEC\*: [scott.newberry@fkec.com](mailto:scott.newberry@fkec.com)  
Mr. Keith Krofp, P.E., FKEC: [keith.krofp@fkec.com](mailto:keith.krofp@fkec.com)  
Mr. Carter B. Endsley, P.E.: [Carter.Endsley@DEP.STATE.FL.US](mailto:Carter.Endsley@DEP.STATE.FL.US)  
Ms. Natasha Hazziez, EPA Region 4: [hazziez.natasha@epa.gov](mailto:hazziez.natasha@epa.gov)  
Ms. Ana Oquendo, EPA Region 4: [oquendo.ana@epamail.epa.gov](mailto:oquendo.ana@epamail.epa.gov)  
Ms. Barbara Friday, DEP BAR: [barbara.friday@dep.state.fl.us](mailto:barbara.friday@dep.state.fl.us) (for posting with U.S. EPA, Region 4)

Clerk Stamp

**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.



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(Clerk)

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February 12, 2015  
(Date)

PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT  
Florida Department of Environmental Protection  
South District Office  
Draft Permit No. 0870004-008-AV  
Florida Keys Electric Cooperative Association, Inc.  
Charles A. Russell Generation Facility  
Monroe County, Florida

**Applicant:** The applicant for this project is Florida Keys Electric Cooperative Association, Inc. The applicant's responsible official and mailing address are: Gregory S. Newberry, CEO and GM, Florida Keys Electric Cooperative Association, Inc. 91630 Overseas Highway, Tavernier, FL 33070.

**Facility Location:** The applicant operates the existing Charles A. Russell Generation Facility, which is located in Monroe County at 91630 Overseas Highway, Tavernier, Florida.

**Project:** The applicant applied on December, 9, 2014, to the Department for a Title V air operation permit renewal for an electric generating plant. This is a renewal of Title V air operation permit No. 0870004-007-AV. The existing facility consists of eight (8) Diesel Electric Generators. (Two 2.0 MW, two 2.75 MW, two 3.0 MW, and two 3.58 MW Diesel Electric Generators). The two 3.0 MW units are authorized to burn No. 2 fuel oil with a maximum sulfur content of 0.50 percent, by weight. The fuel oil used in the six other units must meet the requirements of 40 CFR 80.510(b) for nonroad diesel fuel and the sulfur content shall not exceed 15 ppm (0.0015% by weight (ultra low sulfur diesel)). The ultra low sulfur diesel fuel must have a minimum cetane index of 40 or must have a maximum aromatic content of 35 volume percent. The facility also has four emergency generators (40 hp, 30 hp, 75 hp, and 140 hp), two of which are fired with propane and two with No. 2 fuel oil.

**Permitting Authority:** Applications for Title V air operation permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, 62-213 of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and a Title V air operation permit is required to operate the facility. The Florida Department of Environmental Protection South District is the Permitting Authority responsible for making a permit determination for this project. The Permitting Authority's physical address is: 2295 Victoria Avenue, Ste. 364, Fort Myers, Florida 33901. The Permitting Authority's mailing address is: P.O. Box 2549, Fort Myers, Florida, 33902-2549. The Permitting Authority's telephone number is (239) 344-5600.

**Project File:** A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at the address indicated above for the Permitting Authority. The complete project file includes the draft permit, the Statement of Basis, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may view the draft permit by visiting the following website: <http://www.dep.state.fl.us/air/emission/apds/default.asp> and entering the permit number shown above. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address or phone number listed above.

**Notice of Intent to Issue Permit:** The Permitting Authority gives notice of its intent to issue a renewed Title V air operation permit to the applicant for the project described above. The applicant has provided reasonable assurance that continued operation of the existing equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. The Permitting Authority will issue a final permit in accordance with the conditions of the draft permit unless a response received in accordance with the following procedures results in a different decision or a significant change of terms or conditions.

**Comments:** The Permitting Authority will accept written comments concerning the draft Title V air operation permit for a period of 30 days from the date of publication of the Public Notice. Written comments must be received by the close of business (5:00 p.m.), on or before the end of this 30-day period by the Permitting Authority at the above address. As part of his or her comments, any person may also request that the Permitting Authority hold a public meeting on this permitting action. If the Permitting Authority determines there is sufficient interest for a public meeting, it will publish notice of the time, date, and location in the Florida Administrative Register (FAR). If a public meeting is requested

(Public Notice to be Published in the Newspaper)

within the 30-day comment period and conducted by the Permitting Authority, any oral and written comments received during the public meeting will also be considered by the Permitting Authority. If timely received written comments or comments received at a public meeting result in a significant change to the draft permit, the Permitting Authority shall issue a revised draft permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection. For additional information, contact the Permitting Authority at the above address or phone number.

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A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, any email address, telephone number and any facsimile number of the petitioner; the name, address, any email address, telephone number, and any facsimile number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of when and how each petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action including an explanation of how the alleged facts relate to the specific rules or statutes; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

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

**Mediation:** Mediation is not available in this proceeding.

**Objections:** Finally, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within 60 days of the expiration of the Administrator's 45-day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to the issuance of any Title V air operation permit. Any petition shall be based only on objections to the permit that were raised with reasonable specificity during the 30-day public comment period provided in the Public Notice, unless the petitioner demonstrates to the Administrator of the EPA that it was impracticable to raise such objections within the comment period or unless the grounds for such objection arose after the comment period. Filing of a petition with the Administrator of the EPA does not stay the effective date of any permit properly issued pursuant to the provisions of Chapter 62-213, F.A.C. Petitions filed with the Administrator of EPA must meet the requirements of 42 U.S.C. Section 7661d(b)(2) and must be filed with the Administrator of the EPA at: U.S. EPA, 401 M Street, S.W., Washington, D.C. 20460. For more information regarding EPA review and objections, visit EPA's Region 4 web site at <http://www.epa.gov/region4/air/permits/florida.htm>.

Florida Keys Electric Cooperative Association, Inc.  
Charles A. Russell Generation Facility

Facility ID No. 0870004  
Monroe County

**DRAFT Title V Air Operation Permit Renewal**

DRAFT Permit No. 0870004-008-AV  
(Renewal of Title V Air Operation Permit No. 0870004-007-AV)



**Permitting Authority:**

State of Florida  
Department of Environmental Protection  
South District

2295 Victoria Avenue, Suite 364  
Fort Myers, Florida 33902-2549

Telephone: (239) 344-5600

Fax: (850) 412-0590

Email: [SouthDistrict@dep.state.fl.us](mailto:SouthDistrict@dep.state.fl.us)

**Compliance Authority:**

State of Florida  
Department of Environmental Protection  
South District

2295 Victoria Avenue, Suite 364  
Fort Myers, Florida 33902-2549

Telephone: (239) 344-5600

Fax: (850) 412-0590

Email: [SouthDistrict@dep.state.fl.us](mailto:SouthDistrict@dep.state.fl.us)

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<u>Section</u>	<u>Page Number</u>
Placard Page. ....	1
I. Facility Information.	
A. Facility Description. ....	2
B. Summary of Emissions Units. ....	2
C. Applicable Regulations. ....	4
II. Facility-wide Conditions. ....	5
III. Emissions Units and Conditions.	
A. Eight (8) dual fuel-fired Generator Engines. ....	7
(Emissions Unit Nos. 001, 002, 003, 004, 006, 007, 008, and 009)	
B. Four (4) Emergency Diesel Engine Driven Generators. ....	18
IV. Appendices. ....	20
Appendix A, Glossary.	
Appendix I, List of Insignificant Emissions Units and/or Activities.	
Appendix RR, Facility-wide Reporting Requirements.	
Appendix TR, Facility-wide Testing Requirements.	
Appendix TV, Title V General Conditions.	



**FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION**  
SOUTH DISTRICT  
P.O. BOX 2549  
FORT MYERS, FL 33902-2549  
[SouthDistrict@dep.state.fl.us](mailto:SouthDistrict@dep.state.fl.us)

RICK SCOTT  
GOVERNOR

CARLOS LOPEZ-CANTERA  
LT. GOVERNOR

JONATHAN P. STEVERSON  
SECRETARY

**PERMITTEE:**

Florida Keys Electric Cooperative Association, Inc.  
P.O. Box 377  
Tavernier, Florida 33070

Permit No. 0870004-008-AV  
Charles A. Russell Generation Facility  
Facility Id No. 0870004  
Title V Air Operation Permit Renewal  
(Renews permit No. 0870004-007-AV)

The purpose of this permit is to renew the Title V air operation permit for the above referenced facility. The existing Charles A. Russell Generation Facility is located in Monroe County at 3421 Overseas Highway (U.S. Hwy.1) Marathon, Florida. UTM Coordinates are: Zone 17, 490.7 East and 2732.7 North. Latitude is: 24/42/38 North; and Longitude is: 81/5/30 West.

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

Effective Date: DRAFT  
Renewal Application Due Date: DRAFT  
Expiration Date: DRAFT

DRAFT

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Jon M. Iglehart  
Director of  
District Management

JMI/CBE/se

## SECTION I. FACILITY INFORMATION.

### **Subsection A. Facility Description.**

Florida Keys Electric Cooperative Association, Inc. owns and operates the existing Charles A. Russell Generation Facility, which is an electric utility. The existing facility consists of eight (8) existing non-emergency, compression ignition (CI) reciprocating internal combustion engines (RICE), two (2) existing emergency diesel powered engine/generators, and two (2) existing emergency propane fired engine/generators. The facility also has various insignificant propane storage tanks.

Existing non-emergency Emissions Units (EUs) 001, 002, 003, 004, 006, 007, 008 and 009 are CI RICE units each connected to an electrical generator to provide electricity to the local power grid. (Emission Unit No. 005 is discontinued).

EUs 001, 002, 006, 007, 008, and 009 shall burn only Ultra-Low-Sulfur Diesel fuel (ULSD) which has a maximum sulfur content of 15 parts per million (ppm) (0.0015 percent by weight). ULSD must also have a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent.

[Rule 62-213.410, F.A.C., 40 CFR 63.6604(a), 40 CFR 80.510(b)].

EUs 003 and 004 are authorized to burn No. 2 fuel oil with a maximum sulfur content of 0.50 percent, by weight. [Rule 62-213.410, F.A.C., Permit Nos. 0870004-002-AC/PSD-FL-237]. ULSD is acceptable.

Each of these engines (EUs 001, 002, 003, 004, 006, 007, 008, and 009) are equipped with an oxidation catalyst, a continuous monitoring system, and a crankcase ventilation system to reduce carbon monoxide (CO) emissions, as required by the National Emissions Standards for Hazardous Air Pollutants (NESHAP) for RICE in 40 CFR 63, Subpart ZZZZ.

EUs 010, 011, 012, and 013 are existing emergency RICE.

The Florida Keys Electric Cooperative Association, Inc. – Charles A. Russell Generation Facility is comprised of the following emission units (EU) with the following identification (ID) numbers:

### **Subsection B. Summary of Emissions Units.**

EU ID No.	Brief Description
<i>Regulated Emissions Units</i>	
<b>001</b>	2,000 kW ULSD Diesel Fuel-Fired Generator Engine equipped with a oxidation catalyst
<b>002</b>	2,000 kW ULSD Diesel Fuel-Fired Generator Engine equipped with a oxidation catalyst
<b>003</b>	3,000 kW Diesel Fuel-Fired Generator Engine equipped with a oxidation catalyst
<b>004</b>	3,000 kW Diesel Fuel-Fired Generator Engine equipped with a oxidation catalyst
<b>006</b>	2,750 kW ULSD Diesel Fuel-Fired Generator Engine equipped with a oxidation catalyst
<b>007</b>	2,750 kW ULSD Diesel Fuel-Fired Generator Engine equipped with a oxidation catalyst
<b>008</b>	3,580 kW ULSD Diesel Fuel-Fired Generator Engine equipped with a oxidation catalyst
<b>009</b>	3,580 kW ULSD Diesel Fuel-Fired Generator Engine equipped with a oxidation catalyst
<b>010</b>	30 kW Emergency – Propane fired (RICE) Engine driven generator. (40 hp.)
<b>011</b>	20 KW Emergency – Propane fired (RICE) Engine driven generator. (30 hp.)

**SECTION I. FACILITY INFORMATION.**

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<b>012</b>	55 kW Emergency – Diesel Engine driven generator.	(75 hp.)
<b>013</b>	100 kW Emergency – Diesel Engine driven generator.	(140 hp)

Also included in this permit are miscellaneous insignificant emissions units and/or activities (see Appendix I, List of Insignificant Emissions Units and/or Activities).

**SECTION I. FACILITY INFORMATION.**

**Subsection C. Applicable Regulations.**

Based on the Title V air operation permit renewal application received December 11, 2014, this facility is an area source of hazardous air pollutants (HAPs). The existing facility is a prevention of significant deterioration (PSD) major source of air pollutants in accordance with Rule 62-212.400, F.A.C. This facility is subject to regulation under 40 CFR 63, Subpart ZZZZ - NESHAP for Stationary RICE. (The four (4) emergency backup generators are also regulated under 40 CFR 63, Subpart ZZZZ, however they are “existing” emergency engines that commenced construction (ordered) before 7/11/2005 and have not been modified or reconstructed after 7/11/2005.

A summary of applicable regulations is shown in the following table:

APPLICABLE REGULATIONS	EU ID Nos.
<i>Federal Rule Citations</i>	
<a href="#">40 CFR 63, Subpart ZZZZ</a> , NESHAP, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)	010, 011, 012, 013
<a href="#">40 CFR 63, Subpart A</a> , Subpart A, NESHAP General Provisions	001, 002, 003, 004, 006, 007, 008, 009
<a href="#">40 CFR 63, Subpart ZZZZ</a> , NESHAP, National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)	
<i>State Rule Citations</i>	
Rule <a href="#">62-4, F.A.C.</a> (Permitting Requirements)	001, 002, 003, 004, 006, 007, 008, 009
Rule <a href="#">62-204, F.A.C.</a> (Federal Regulations Adopted by Reference)	
Rule <a href="#">62-210, F.A.C.</a> (Permits Required, Public Notice, Reports, Stack Height Policy, Circumvention, Excess Emissions, and Forms)	
Rule <a href="#">62-213, F.A.C.</a> (Title V Air Operation Permits for Major Sources of Air Pollution)	
Rule <a href="#">62-296, F.A.C.</a> (Emission Limiting Standards)	
Rule <a href="#">62-297, F.A.C.</a> (Test Methods and Procedures, Continuous Monitoring Specifications, and Alternate Sampling Procedures)	

## SECTION II. FACILITY-WIDE CONDITIONS.

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

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

### **Emissions and Controls**

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

**FW3. General Volatile Organic Compounds (VOC) Emissions or Organic Solvents (OS) Emissions.** The permittee shall allow no person to store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed-necessary and ordered by the Department. [Rule 62-296.320(1), F.A.C.] *{Permitting Note: Nothing is deemed necessary and ordered at this time.}*

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

**FW5. Unconfined Particulate Matter.** No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction; alteration; demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions. Reasonable precautions to prevent emissions of unconfined particulate matter at this facility include paving of fuel delivery roads and parking lots. [Rule 62-296.320(4)(c), F.A.C., and, proposed by applicant in Title V air operation permit renewal application received October 4, 2013.]

### **Annual Reports and Fees**

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

**FW6. Electronic Annual Operating Report and Title V Annual Emissions Fees.** The information required by the Annual Operating Report for Air Pollutant Emitting Facility [Including Title V Source Emissions Fee Calculation] (DEP Form No. 62-210.900(5)) shall be submitted by April 1 of each year, for the previous calendar year, to the Department of Environmental Protection’s Division of Air Resource Management. Each Title V source shall submit the annual operating report using the DEP’s Electronic Annual Operating Report (EAOR) software, unless the Title V source claims a technical or financial hardship by submitting DEP Form No. 62-210.900(5) to the DEP Division of Air Resource Management instead of using the reporting software. Emissions shall be computed in accordance with the provisions of subsection 62-210.370(2), F.A.C. Each Title V source must pay between January 15 and April 1 of each year an annual emissions fee in an amount determined as set forth in subsection 62-213.205(1), F.A.C. The annual Title V emissions fees shall only apply to those regulated pollutants, except carbon monoxide and greenhouse gases, for which an allowable numeric emission-limiting standard is specified in the source’s most recent construction permit or operation permit. Upon completing the required EAOR entries, the EAOR Title V Fee Invoice can be printed by the source showing which of the reported emissions are subject to the fee and the total Title V Annual Emissions Fee that is due. The submission of the annual Title V emissions fee payment is also due (postmarked) by April 1<sup>st</sup> of each year. A copy of the system-generated EAOR Title V Annual Emissions Fee Invoice and the indicated total fee shall be submitted to: **Major Air Pollution Source Annual Emissions Fee, P.O. Box 3070, Tallahassee, Florida**

## SECTION II. FACILITY-WIDE CONDITIONS.

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32315-3070. Additional information is available by accessing the Title V Annual Emissions Fee On-line Information Center at the following Internet web site: <http://www.dep.state.fl.us/air/emission/tvfee.htm>. [Rules 62-210.370(3), 62-210.900 & 62-213.205, F.A.C.; and, §403.0872(11), Florida Statutes (2013)]

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

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

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

*{Permitting Note: As specified in Specific Condition RR7 of Appendix RR, the applicant shall use DEP Form No. 62-213.900(7) to comply with this requirement.}*

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

- a. Submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent electronically through EPA's Central Data Exchange system at the following address: <https://cdx.epa.gov>. Information on electronically submitting risk management plans using the Central Data Exchange system is available at: <http://www.epa.gov/osweroel/content/rmp/index.htm>. The RMP Reporting Center can be contacted at: RMP Reporting Center, Post Office Box 10162, Fairfax, VA 22038, Telephone: (703) 227-7650.
- b. Submit to the permitting authority Title V certification forms or a compliance schedule in accordance with Rule 62-213.440(2), F.A.C.

[40 CFR 68]

**SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.**

**Subsection A. Emissions Units 001, 002, 003, 004, 006, 007, 008 and 009**

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

Title V Permit Renewal - Supplemental Data Request - 0870004-008-AV								
Unit	Model #	Serial Number	HP	Name Of Mfg.	Date of Mfg.	Total Cyl. Displacement (Ltrs.)	Rated KW out put	Mfg. Cert of Emission Pollutants (Yes/No)
001	16-645-D3	63031	2,855	GM-EMD	1960	247.04	2,000	no
002	16-645-D4	63032	2,855	GM-EMD	1960	247.04	2,000	no
003	SW 14V16	VO3463	4,190	Worthington	1955	726.24	3,000	no
004	SW 14V16	VO3509	4,190	Worthington	1956	726.24	3,000	no
006	MP45-20-645E4	73B1-1112	3,550	GM-EMD	1973	308.8	2,750	no
007	MP45-20-645E4	43C1-1013	3,550	GM-EMD	1973	308.8	2,750	no
008	20-710-G4B	97D1-1040	5,000	GM-EMD	1997	308.8	3,580	no
009	20-710-G4B	00-H1-1059	5,000	GM-EMD	2000	308.8	3,580	no

Note: Unit No. 001 and 002 are 16 cylinder diesel engines. (RICE) single Cyl. Displacement 15.44 Ltrs.  
 Unit No. 003 and 004 are 16 cylinder diesel engines. (RICE) single Cyl. Displacement 45.39 Ltrs.  
 Unit No. 006, 007, 008 and 009 are 20 cylinder diesel engines. (RICE) single Cyl. Displacement 15.44 Ltrs.  
 Unit No. 005 has been shut-down and will NOT be used in the future.

EUs 001, 002, 006, 007, 008, and 009 shall burn only Ultra-Low-Sulfur Diesel fuel (ULSD) which has a maximum sulfur content of 15 parts per million (ppm) (0.0015 percent by weight). ULSD must also have a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent.

[Rule 62-213.410, F.A.C., 40 CFR 63.6604(a), 40 CFR 80.510(b)].

EUs 003 and 004 are authorized to burn No. 2 fuel oil with a maximum sulfur content of 0.50 percent, by weight. [Rule 62-213.410, F.A.C., Permit Nos. 0870004-002-AC/PSD-FL-237]. ULSD is acceptable.

Emissions units 001 through 004 and 006 through 009 are non-emergency engines that operate during emergencies and during peak power demand periods to grid.

*{Permitting Note: These emissions units are regulated under Rule 62-210.300, F.A.C., Permits Required, Construction Permit 0870004-002-AC/PSD-FL-237 and PSD-FL-237A}*

Emissions unit **001** is a General Motors Model 16-645-D3. It was manufactured in 1960. The permittee purchased the unit used and started it up on its system on May 16, 1989. The unit has a stack with the following specifications: 20' height, 2.6' exit diameter, 730 °C exit temperature, and 18,700 acfm flow rate. Single Cyl. Displacement is 15.44 Ltr.

Emissions unit **002** is a General Motors Model 16-645-D4. It was manufactured in 1960. The permittee purchased the unit used and started it up on its system on July 24, 1989. The unit has a stack with the following specifications: 20' height, 2.6' exit diameter, 730 °C exit temperature, and 18,700 acfm flow rate. Single Cyl. Displacement is 15.44 Ltr.

Emissions unit **003** is a Worthington Corporation Model SW 14V16. The unit's start-up date was December 1, 1957. The unit has a stack with the following specifications: 40' height, 2.1' exit diameter, 740 °C exit temperature, and 27,700 acfm flow rate. Single Cyl. Displacement is 45.39 Ltr.

### SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

#### Subsection A. Emissions Units 001, 002, 003, 004, 006, 007, 008 and 009

Emissions unit **004** is a Worthington Corporation Model SW 14V16. The unit's start-up date was December 1, 1958. The unit has a stack with the following specifications: 40' height, 2.1' exit diameter, 740 °C exit temperature, and 27,700 acfm flow rate. Single Cyl. Displacement is 45.39 Ltr.

Emissions unit **006** is a General Motors Model MP4520-645-E4. The unit's start-up date was September 13, 1973. The unit has a stack with the following specifications: 25' height, 2.5' exit diameter, 735 °C exit temperature, and 23,000 acfm flow rate. Single Cyl. Displacement is 15.44 Ltr.

Emissions unit **007** is a General Motors Model MP4520-645-E4. The unit's start-up date was September 13, 1973. The unit has a stack with the following specifications: 25' height, 2.5' exit diameter, 735 °C exit temperature, and 23,000 acfm flow rate. Single Cyl. Displacement is 15.44 Ltr.

Emissions unit **008** is a General Motors Model 20-710-G4B. The unit's start-up date was January 1, 1998. The unit has a stack with the following specifications: 45' height, 2.3' exit diameter, 666 °C exit temperature, and 29,008 acfm flow rate. This unit utilizes injection timing retardation and cooling of combustion air to control NO<sub>x</sub> emissions in accordance with BACT dated September 11, 1997. Single Cyl. Displacement is 15.44 Ltr.

Emissions unit **009** is a General Motors Model 20-710-G4B. The unit's start-up date was December 30, 2000. The unit has a stack with the following specifications: 45' height, 2.3' exit diameter, 666 °C exit temperature, and 29,008 acfm actual volumetric flow rate. This unit utilizes injection timing retardation and cooling of combustion air to control NO<sub>x</sub> emissions in accordance with BACT dated November 16, 2000. Single Cyl. Displacement is 15.44 Ltr.

*{Permitting Notes: These emissions units are regulated under Rule 62-210.300, F.A.C., Permits Required, Rule 62-212.400(5), F.A.C., Prevention of Significant Deterioration (PSD), Construction Permits 0870004-002-AC/PSD-FL-237, 0870004-003-AC/ PSD-FL-237A and 0870004-004-AC/PSD-FL-285. Emission Unit 008 is subject to Best Available Control Technology (BACT) Determination dated September 11, 1997, BACT Determination (revised) April 28, 1998 and BACT Determination dated November 16, 2000. Emission unit 009 is subject to BACT dated November 16, 2000.}*

#### **Essential Potential to Emit (PTE) Parameters**

##### **A.1. Permitted Capacity.**

- a) Emission units: 001, 002, 003, 004, 006 and 007. The maximum allowable heat input rate to these combined emissions units shall not exceed 156.4 MM Btu/hr.  
[Rules 62-4.160(2), 62-204.800, 62-210.200(PTE), F.A.C.; and, Permit No(s). 0870004-002-AC/PSD-FL-237].
- b) Emission Units: 008 and 009. The maximum heat input to either emissions unit EU008 or to emissions unit EU009 shall not exceed 30.2 MM Btu/hr.  
[Rules 62-4.160(2) and 62-210.200(PTE), F.A.C. and Permit Nos. 0870004-002-AC/PSD-FL-237 and 0870004-004-AC/PSD-FL-285]

*{Permitting Note: The permanent shutdown of EU005 has eliminated the heat input rate associated with EU005. The total permitted capacity for the remaining emissions units have therefore been reduced by the heat input rate contribution from EU005 (30.59 MMBtu/hr) which was determined by permit application documents for permit no. 0870004-002-AC/PSD-FL-237.}*

##### **A.2. Hours of Operation, Emission units:**

- a) Emission Units: 001, 002, 003, 004, 006, and 007: The hours of operation for these emissions units shall be limited to either 4,380 hours per year per unit or to a total fuel oil consumption of

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## SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

### Subsection A. Emissions Units 001, 002, 003, 004, 006, 007, 008 and 009

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6,200,000 gallons per year for all six units, whichever limit is more restrictive. [Rule 62-210.200 (PTE), F.A.C., Permit Nos. 0870004-002-AC/PSD-FL-237]

- b) Emission Units: 008 and 009: These emissions units are allowed to operate continuously 8,760 hours/year. The maximum fuel oil consumption allowed to be burned in either Emissions Unit 008 or in Emissions Unit 009 is 2,015,000 gallons per year, which is equivalent to 8,760 hours per year of operation at full load for either emission unit. [Rules 62-210.200(PTE) and 62-213.410, F.A.C. and Permit Nos. 0870004-002-AC/PSD-FL-237 and 0870004-004-AC/PSD-FL285]

#### **Essential Potential to Emit (PTE) Parameters**

##### **A.3 Methods of Operation:**

**Authorized Fuel.** These Stationary RICE must use diesel fuel that meets the following requirements for non-road diesel fuel:

A.3.1 Emission Units 001, 002, 006, 007, 008 and 009 must burn Ultra-Low-Sulfur Diesel fuel (ULSD):

- a. *Sulfur Content.* The sulfur content shall not exceed 15 ppm (0.0015% by weight).
- b. *Cetane and Aromatic.* The fuel must have a minimum cetane index of 40 or must have a maximum aromatic content of 35 volume percent.

[Rule 62-213.410, F.A.C., 40 CFR 63.6604(a), 40 CFR 80.510(b)]

A.3.2 Emission Units 003 and 004 are authorized to burn No. 2 fuel oil with a maximum sulfur content of 0.50 percent, by weight. The fuel shall be monitored annually for the sulfur content using ASTM D4294 Method (or equivalent). [Rule 62-213.410, F.A.C., Permit Nos. 0870004-002-AC/PSD-FL-237]. ULSD is acceptable.

#### **Control Technology**

A.4. **Oxidation Catalyst.** Each of these units is equipped with an oxidation catalyst and a crankcase ventilation system to reduce carbon monoxide (CO) emissions and meet the emissions limits in Specific Condition A.5. [40 CFR 63.6603(a) & 6625(g)]

#### **Emission Limitations and Standards**

- A.5. **1. Carbon Monoxide (CO) Emissions.** This standard is applicable to EUs 001, 002, 003, 004, 006, 007, 008, and 009. The owner or operator must reduce carbon monoxide (CO) by: (a) Limiting the concentration of CO in the stationary RICE exhaust to 23 parts per million by volume dry (ppmvd) or less at 15 percent O<sub>2</sub>; or (b) Reduce CO emissions by 70% or more. [40 CFR 63.6603(a) and Table 2d, paragraph 3.]
- 2. Visible Emissions.** This standard is applicable to EUs 001, 002, 003, 004, 006, 007, 008, and 009. Visible emissions shall not exceed 20% opacity. [Permit Nos. 0870004-002-AC/PSD-FL-237 and 080004-004-AC/PSD-FL-285]
- 3. Nitrogen Oxides (NO<sub>x</sub>) Emissions.** This standard is applicable to EUs 008 and 009. The maximum allowable emission rates for NO<sub>x</sub> for either EU 008 or EU 009 shall not exceed 68 pounds per hour (lb/hr) and 298 tons per year (TPY) pursuant to the Best Available Control Technology (BACT) Determination. [Rule 62-212.400, F.A.C. and Permit Nos. 0870004-002-AC/PSD-FL-237, 0870004-003-AC/PSD-237A and 0870004-AC/PSD-FL-285].

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## SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

### Subsection A. Emissions Units 001, 002, 003, 004, 006, 007, 008 and 009

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#### Excess Emissions

- A.6.** Excess Emissions Due to Startup. You must minimize the engine's time spent at idle during startup and minimize the engine's startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the emission standards in Specific Condition **A.5.** apply. [40 CFR 63.6625(h)]

#### Operating Requirements

- A.7.** Operating Limitations for the Oxidation Catalyst. You must operate these engine catalysts according to the following requirements:
1. *Pressure Drop.* Maintain your 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 or subsequent performance tests; and
  2. *Temperature.* Maintain the temperature of your stationary RICE exhaust so that the catalyst inlet temperature is greater than or equal to 450 °F and less than or equal to 1,350 °F. Note: Sources can petition the Administrator pursuant to the requirements of 40 CFR 63.8(f) for a different temperature range. [Link to 40 CFR 63.8](#)

[40 CFR 63.6603(a), 63.6625(b), Table 2b, paragraph 2 and Table 6, paragraph 10.]

- A.8.** Operation and Maintenance. You must operate and maintain these stationary RICE and after-treatment control devices according to the manufacturer's emission-related written instructions or develop your own maintenance plan which must provide to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution control practice for minimizing emissions. [40 CFR 63.6625(e)]
- A.9.** Crankcase Ventilation System. You must follow the manufacturer's specified maintenance requirements for operating and maintaining the crankcase ventilation systems and replacing the crankcase filters, or you can request the Administrator to approve different maintenance requirements that are as protective as manufacturer requirements. [40 CFR 63.6625(g)]

#### Compliance Requirements

- A.10.** Continuous Compliance. Each unit shall be in compliance with the emission limitations and operating limitations and other requirements in this permit at all times. [40 CFR 63.6605(a)]
- A.11.** Operation and Maintenance of Equipment. At all times the owner or operator must operate and maintain these engines, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. Determination of whether such operation and maintenance procedures are being used will be based on information available to the compliance authority 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)]
- A.12.** Continuous Compliance - Monitoring and Data. To demonstrate continuous compliance, you must monitor and collect data according to the following requirements:
- a. Except for monitor malfunctions, associated repairs, required performance evaluations, and required quality assurance or control activities, you must monitor continuously at all times that the stationary RICE is operating. A monitoring malfunction is any sudden, infrequent, not reasonably preventable

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### SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

#### Subsection A. Emissions Units 001, 002, 003, 004, 006, 007, 008 and 009

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failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

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

[40 CFR 63.6635]

**A.13.** Continuous Compliance with CO Emission Limitations. You (limiting concentration of CO, using oxidation catalyst, and using a CPMS, see A.14.) must demonstrate continuous compliance with the emissions and operating limitations by:

- a. Conducting initial and subsequent performance tests for CO every 8,760 hours or 3 years, whichever comes first, to demonstrate that the required CO percent reduction is achieved or that your emissions remain at or below the CO concentration limit; and
- b. Collecting the catalyst inlet temperature data according to Specific Condition **A.14.**; and
- c. Reducing these data to 4-hour rolling averages; and
- d. Maintaining the 4-hour rolling averages within the operating limitations for the catalyst inlet temperature; and
- e. Measuring the pressure drop across the catalyst once per month and demonstrating that the pressure drop across the catalyst is within the operating limitation established during the (most recent) performance test.

[40 CFR 63.6640(a) and Table 6, paragraph 10.]

#### **Monitoring of Operations**

**A.14.** Continuous Parameter Monitoring System (CPMS). You are required to maintain and operate a CPMS to continuously monitor catalyst inlet temperature according to the requirements in paragraphs **a.** through **f.**

- a. You must prepare and maintain a site-specific monitoring plan that addresses the monitoring system design, data collection, and the quality assurance and quality control elements outlined in paragraphs (1) through (5), below, and in 40 CFR 63.8(d). As specified in 40 CFR 63.8(f)(4), you may request approval of monitoring system quality assurance and quality control procedures alternative to those specified in paragraphs (1) through (5), below, in your site-specific monitoring plan. [Link to 40 CFR 63.8](#)

- (1) The performance criteria and design specifications for the monitoring system equipment, including the sample interface, detector signal analyzer, and data acquisition and calculations;
- (2) Sampling interface (*e.g.*, thermocouple) location such that the monitoring system will provide representative measurements;
- (3) Equipment performance evaluations, system accuracy audits, or other audit procedures;
- (4) Ongoing operation and maintenance procedures in accordance with provisions in 40 CFR 63.8(c)(1)(ii) and (c)(3); and [Link to 40 CFR 63.8](#)
- (5) Ongoing reporting and recordkeeping procedures in accordance with provisions in 40 CFR 63.10(c), (e)(1), and (e)(2)(i). [Link to 40 CFR 63.10](#)

- b. You must operate and maintain each CPMS in continuous operation according to the procedures in your site-specific monitoring plan.
- c. The CPMS must collect data at least once every 15 minutes (see also Specific Condition **A.12.**).
- d. For a CPMS for measuring temperature range, the temperature sensor must have a minimum tolerance of 2.8 degrees Celsius (5 degrees Fahrenheit) or 1 percent of the measurement range, whichever is larger.

**SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.**

**Subsection A. Emissions Units 001, 002, 003, 004, 006, 007, 008 and 009**

- e. You must conduct the CPMS equipment performance evaluation, system accuracy audits, or other audit procedures specified in your site-specific monitoring plan at least annually.
- f. You must conduct a performance evaluation of each CPMS in accordance with your site-specific monitoring plan.

[40 CFR 63.6625(b) and Table 5]

**Test Methods and Procedures for CO**

**A.15. Compliance Tests for CO.** Compliance tests shall be performed on each engine to demonstrate compliance with the emissions limits in Specific Condition **A.5.** every 8,760 hours of operation or 3 years, whichever comes first, according to the requirements in specific Conditions **A.16.** and **A.17.** [40 CFR 63.6612 & Table 3, paragraph 4.]

**A.16. Methods and Measurements to Determine O<sub>2</sub> and CO.**

- a. *Measurements to Determine O<sub>2</sub>.* The owner or operator must measure the O<sub>2</sub> at the inlet and outlet of the control device using Method 3 or 3A or 3B of 40 CFR 60, Appendix A, or ASTM Method D6522-00 (Reapproved 2005) (incorporated by reference, see 40 CFR 63.14). Measurements to determine O<sub>2</sub> concentration must be made at the same time and location as the measurements for CO concentration.
- b. *Measurements to Determine CO.* The owner or operator must measure the CO at the inlet and the outlet of the control device using ASTM Method D6522-00 (Re-approved 2005) (incorporated by reference, see 40 CFR 63.14) or Method 10 of 40 CFR 60, Appendix A. The CO concentration must be at 15 percent O<sub>2</sub>, dry basis. Method 320 of 40 CFR part 63, Appendix A, or ASTM D6348-03, may also be used.

[40 CFR 63.6620(a) and Table 4, paragraph 1.]

**A.17. CO Performance Test Requirements.** The performance tests shall be conducted according to methods and requirements below:

- a. If an engine is non-operational at the prescribed testing time, you do not need to start up the engine solely to conduct the performance test. Owners and operators of a non-operational engine can conduct the performance test when the engine is started up again. [40 CFR 63.6620(b)]
- b. You must conduct three separate test runs for each performance test. Each test run must last at least 1 hour. [40 CFR 63.7(e)(3) & 63.6620(d)] [Link to 40 CFR 63.7](#)
- c. You must use the Equation 1 to determine compliance with the percent reduction requirement:

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

Where:

- C<sub>i</sub> = concentration of carbon monoxide (CO) at the control device inlet,
- C<sub>o</sub> = concentration of CO at the control device outlet, and
- R = percent reduction of CO emissions.

- d. You must normalize the 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 (CO<sub>2</sub>). If pollutant concentrations are to be corrected to 15 percent oxygen and CO<sub>2</sub> concentration is measured in lieu of oxygen concentration measurement, a CO<sub>2</sub> correction factor is needed. Calculate the CO<sub>2</sub> correction factor as described in paragraphs (1) through (3), below:

- (1) Calculate the fuel-specific F<sub>o</sub> value for the fuel burned during the test using values obtained from Method 19, Section 5.2, and the following equation:

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

**SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.**

**Subsection A. Emissions Units 001, 002, 003, 004, 006, 007, 008 and 009**

Where:

$F_o$  = Fuel factor based on the ratio of oxygen volume to the ultimate CO<sub>2</sub> 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, dsm<sup>3</sup> /J (dscf/10<sup>6</sup> Btu).

$F_c$  = Ratio of the volume of CO<sub>2</sub> produced to the gross calorific value of the fuel from Method 19, dsm<sup>3</sup> /J (dscf/10<sup>6</sup> Btu)

- (2) Calculate the CO<sub>2</sub> correction factor for correcting measurement data to 15 percent O<sub>2</sub> , as follows:

$$X_{CO2} = \frac{5.9}{F_o} \quad (\text{Eq. 3})$$

Where:

$X_{CO2}$  = CO<sub>2</sub> correction factor, percent.

5.9 = 20.9 percent O<sub>2</sub> —15 percent O<sub>2</sub> , the defined O<sub>2</sub> correction value, percent.

- (3) Calculate the CO, THC, and formaldehyde gas concentrations adjusted to 15 percent O<sub>2</sub> using CO<sub>2</sub> as follows:

$$C_{adj} = C_d \frac{X_{CO2}}{\%CO_2} \quad (\text{Eq. 4})$$

Where:

$C_{adj}$  = Calculated concentration of CO, THC, or formaldehyde adjusted to 15 percent O<sub>2</sub>.

$C_d$  = Measured concentration of CO, THC, or formaldehyde, uncorrected.

$X_{CO2}$  = CO<sub>2</sub> correction factor, percent.

% CO<sub>2</sub> = Measured CO<sub>2</sub> concentration measured, dry basis, percent.

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

[40 CFR 63.7(e)(3) and 40 CFR 63.6620(b), (d), (e) & (i)]

**Test Methods and Procedures for VE, NOx, and Fuel Analysis**

**A.18. Visible Emissions (VE):** For EUs 001, 002, 003, 004, 006, and 007, compliance tests shall be performed for VE once every 5 years prior to obtaining a renewed operating permit, using EPA Reference Method 9. For EUs 008 and 009, compliance tests shall be performed for VE once during each federal fiscal year (October 1<sup>st</sup> to September 30<sup>th</sup>) and once every 5 years prior to obtaining a renewed operating permit, using EPA Reference Method 9. [Rules 62-210.300(2)(a) and 62-297.310(7)(a), F.A.C., and Permit Nos. 0870004-002-AC/PSD-FL-237 and 0870004-004-AC/PSD-FL-285].

**A.19. Nitrogen Oxides (NOx):** For EUs 008 and 009, compliance tests shall be performed for NOx once during each federal fiscal year (October 1<sup>st</sup> to September 30<sup>th</sup>) and once every 5 years, prior to obtaining a renewed operating permit, using EPA Reference Method 7E. (The annual NOx testing need not be

### SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

#### Subsection A. Emissions Units 001, 002, 003, 004, 006, 007, 008 and 009

performed if the unit operated for less than 400 hours in the preceding 12-month period.). [Rule 62-297.310(7), F.A.C., and Permit Nos. 0870004-002-AC/PSD-FL-237 and 0870004-004-AC/PSD-FL-285].

- A.20. Fuel Oil Analysis:** For all EUs, fuel oil shall be monitored annually for the sulfur content using ASTM D4294 Method (or equivalent). [Rule 62-297.440, F.A.C., and Permit Nos. 0870004-002-AC/PSD-FL-237 and 0870004-004-AC/PSD-FL-285].

#### **Recordkeeping Requirements**

- A.21. Performance, Maintenance and Compliance Records.** The applicant must keep the following records:
- A copy of each notification and report that you submitted to comply with Subpart ZZZZ, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted, according to the requirement in 40 CFR 63.10(b)(2)(xiv). [Link to 40 CFR 63.10](#)
  - Records of the occurrence and duration of each malfunction of operation (*i.e.*, process equipment) or the air pollution control and monitoring equipment.
  - Records of performance tests and performance evaluations as required in 40 CFR 63.10(b)(2)(viii). [Link to 40 CFR 63.10](#)
  - Records of all required maintenance performed on the air pollution control and monitoring equipment.
  - Records of actions taken during periods of malfunction to minimize emissions in accordance with Specific Condition **A.12.**, including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.
  - Records described in 40 CFR 63.10(b)(2)(vi) through (xi). [Link to 40 CFR 63.10](#)
  - Previous (*i.e.*, superseded) versions of the performance evaluation plan as required in 40 CFR 63.8(d)(3). [Link to 40 CFR 63.8](#)
  - Requests for alternatives to the relative accuracy test for CPMS as required in 40 CFR 63.8(f)(6)(i), if applicable. [Link to 40 CFR 63.8](#)
  - The records required to show continuous compliance with each emission limitation or operating requirement specified in this permit.
  - Daily records of fuel oil consumption for the emission units.  
[40 CFR 63.10(b)(2) & 63.6655(a), (b), (d) and Table 6, and Rule 62-210.200, F.A.C. and Permit Nos. 0870004-002-AC/PSD-FL-237 and 0870004-004-AC/PSD-FL-285].

**A.22. Record Retention.**

- The owner or operator must keep records in a suitable and readily available form for expeditious reviews.
- The owner or operator must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record.
- All measurements, records, and other data required by this permit shall be documented in a permanent, legible format and retained at the facility for at least five years following the date on which such measurements, records, or data are recorded. Records shall be made available to the Department upon request.  
[Rules 62-4.160(14) & 62-213.440(1)(b)2., F.A.C.; and, 40 CFR 63.6660 & 63.10(b)(1)]

#### **Reporting Requirements**

- A.23. Notification Requirements.** You must submit all of the notifications in 40CFR 63.7(b) & (c), 63.8(e), 63.9(b), (e) & (g) by the dates specified. [Link to 40 CFR 63, Subpart A](#) [40 CFR 63.6645(a)]
- A.24. Notification of Intent to Conduct a Performance Test.** You must submit a Notification of Intent to conduct a performance test at least 60 days before the performance test is scheduled to begin to the compliance office listed on the cover page of this permit. [40 CFR 63.7(b)(1) & 63.6645(g)]

### SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

#### Subsection A. Emissions Units 001, 002, 003, 004, 006, 007, 008 and 009

- A.25. Notification of Compliance Status.** You must submit a Notification of Compliance Status, including the performance test results, before the close of business on the 60<sup>th</sup> day following the completion of the performance test to the compliance office listed on the cover page of this permit. [40 CFR 63.10(d)(2) and 63.6645(h)]
- A.26. Compliance Reports.** The applicant must submit semiannual Compliance Reports according to the following requirements:
- a. Each semiannual 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 and 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.
  - b. The Compliance report must contain the 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) If you had a malfunction during the reporting period, the compliance report must include the number, duration, and a brief description for each type of malfunction which occurred during the reporting period and which caused or may have caused any applicable emission limitation to be exceeded. The report must also include a description of actions taken by an owner or operator during a malfunction of an affected source to minimize emissions in accordance with Specific Condition **A.10.**, including actions taken to correct a malfunction.
    - (5) If there are no deviations from any emission or operating limitations that apply to you, a statement that there were no deviations from the emission or operating limitations during the reporting period.
    - (6) If there were no periods during which the continuous monitoring system (CMS), including CEMS and CPMS, was out-of-control, as specified in 40 CFR 63.8(c)(7), a statement that there were no periods during which the CMS was out-of-control during the reporting period.  
[Link to 40 CFR 63.8](#)
  - c. For each deviation from an emission or operating limitation, you must include information in paragraphs b.(1) through (4), above, and c.(1) through (12), below:
    - (1) The date and time that each malfunction started and stopped.
    - (2) The date, time, and duration that each CMS was inoperative, except for zero (low-level) and high-level checks.
    - (3) The date, time, and duration that each CMS was out-of-control, including the information in 63.8(c)(8). [Link to 40 CFR 63.8](#)
    - (4) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of malfunction or during another period.
    - (5) A summary of the total duration of the deviation during the reporting period, and the total duration as a percent of the total source operating time during that reporting period.
    - (6) A breakdown of the total duration of the deviations during the reporting period into those that are due to control equipment problems, process problems, other known causes, and other unknown causes.
    - (7) A summary of the total duration of CMS downtime during the reporting period, and the total duration of CMS downtime as a percent of the total operating time of the stationary RICE at which the CMS downtime occurred during that reporting period.
    - (8) An identification of each parameter and pollutant (CO) that was monitored at the stationary RICE.
    - (9) A brief description of the stationary RICE.
    - (10) A brief description of the CMS.

**SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.**

**Subsection A. Emissions Units 001, 002, 003, 004, 006, 007, 008 and 009**

- (11) The date of the latest CMS certification or audit.
- (12) A description of any changes in CMS, processes, or controls since the last reporting period.
- d. If you submit a compliance report pursuant to this specific condition along with, or as part of, the semiannual monitoring report required in Appendix RR, and the compliance report includes all required information concerning deviations from any emission or operating limitation, submission of the compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority.

[40 CFR 63.6650(a) - (f) and Table 7, paragraph 3.]

**General Provisions, 40 CFR 63, Subpart ZZZZ**

**A.27.** Applicability of General Provisions to Subpart ZZZZ. These engines shall comply with the following applicable requirements of 40 CFR 63 Subpart A, General Provisions, which have been adopted by reference in Rule 62-204.800(11)(d)1., F.A.C., except that the Secretary is not the Administrator for purposes of 40 CFR 63.5(e), 40 CFR 63.5(f), 40 CFR 63.6(g), 40 CFR 63.6(h)(9), 40 CFR 63.6(j), 40 CFR 63.13, and 40 CFR 63.14. [Link to 40 CFR 63, Subpart A - General Provisions.](#)

<b>General Provisions Citation</b>	<b>Subject of Citation</b>
63.1	General applicability of the General Provisions
63.2	Definitions
63.3	Units and abbreviations
63.4	Prohibited activities and circumvention
63.5	Construction and reconstruction
63.6(a)	Applicability
63.6(b)(1)-(4)	Compliance dates for new and reconstructed sources
63.6(b)(5)	Notification
63.6(c)(1)-(2)	Compliance dates for existing sources
63.6(f)(2)	Methods for determining compliance
63.6(f)(3)	Finding of compliance
63.6(i)	Compliance extension procedures and criteria
63.7(a)(1)-(2)	Performance test dates
63.7(a)(3)	CAA section 114 authority
63.7(b)(1)	Notification of performance test
63.7(b)(2)	Notification of rescheduling
63.7(c)	Quality assurance/test plan
63.7(d)	Testing facilities
63.7(e)(2)	Conduct of performance tests and reduction of data
63.7(e)(3)	Test run duration
63.7(e)(4)	Administrator may require other testing under section 114 of the CAA
63.7(f)	Alternative test method provisions
63.7(g)	Performance test data analysis, recordkeeping, and reporting
63.8(a)(1)	Applicability of monitoring requirements
63.8(a)(2)	Performance specifications
63.8(b)(1)	Monitoring
63.8(c)(1)	Monitoring system operation and maintenance

**SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.**

**Subsection A. Emissions Units 001, 002, 003, 004, 006, 007, 008 and 009**

<b>General Provisions Citation</b>	<b>Subject of Citation</b>
63.8(c)(1)(ii)	SSM not in Startup Shutdown Malfunction Plan
63.8(c)(2)-(3)	Monitoring system installation
63.8(c)(4)	Continuous monitoring system (CMS) requirements
63.8(c)(6)-(8)	CMS requirements
63.8(d)	CMS quality control
63.8(e)	CMS performance evaluation (as specified in 63.6645)
63.8(g)	Data reduction
63.9(a)	Applicability and State delegation of notification requirements
63.9(b)(1)-(5)	Initial notifications (as specified in 63.6645)
63.9(d)	Notification of special compliance requirements for new sources
63.9(e)	Notification of performance test
63.9(g)(1)	Notification of performance evaluation
63.9(h)(1)-(6)	Notification of compliance status
63.9(j)	Change in previous information
63.10(a)	Administrative provisions for recordkeeping/reporting
63.10(b)(1)	Record retention
63.10(b)(2)(vi)-(xi)	Records
63.10(b)(2)(xiv)	Records of supporting documentation
63.10(b)(3)	Records of applicability determination
63.10(d)(1)	General reporting requirements
63.10(d)(2)	Report of performance test results
63.10(d)(4)	Progress reports
63.10(e)(1) and (2)(i)	Additional CMS Reports
63.10(e)(3)	Excess emission and parameter exceedences reports
63.10(f)	Waiver for recordkeeping/reporting
63.12	State authority and delegations
63.14	Incorporation by reference
63.15	Availability of information

[40 CFR 63.6665 & Table 8 to Subpart ZZZZ of Part 63

**SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.**

**Subsection B. Emissions Units 010, 011, 012 and 013**

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

<b>EU No.</b>	<b>Brief Description</b>
010	30 kW Emergency – Propane fired (RICE) Engine driven generator. (40 hp.)
011	20 kW Emergency – Propane fired (RICE) Engine driven generator. (30 hp.)
012	55 kW Emergency – Diesel Engine driven generator. (75 hp.)
013	100 kW Emergency – Diesel Engine driven generator. (140 hp)

Emergency Generators. This facility includes four (4) emergency generators, which are classified as Emergency Stationary RICE. These are subject to 40 CFR Part 63, Subpart ZZZZ.

Emission Units 010, 011, 012, 013 are facility emergency generators only with no connection to the power grid.

**Essential Potential to Emit (PTE) Parameters**

**B.1. Authorized Fuel**

(B1a) For Emission Units No. 010 and 011: Propane is fired in these units. Standard propane gas that meets specifications established in ASTM D-1835.

(B1b) For Emission Units No. 012 and 013: Only No. 2 fuel oil can be fired in these units. The maximum sulfur content of the No. 2 shall not exceed 0.50 percent, by weight. [Rule 62-213.410, F.A.C.; Permit Nos.0870004-002-AC/PSD-FL-237]

**B.2 Emergency Use Only - Definition**

*Emergency stationary RICE* means any stationary reciprocating internal combustion engine that meets all of the criteria in subparagraphs (1) through (3) below. All emergency stationary RICE must comply with the requirements specified in 40 CFR 63.6640(f) in order to be considered emergency stationary RICE. (Note: If the engine does not comply with the requirements specified in 40 CFR 63.6640(f), then it is not considered to be an emergency stationary RICE and it must meet all applicable requirements for non-emergency engines under 40 CFR 63 Subpart ZZZZ).

- (1) The stationary RICE is operated to provide electrical power or mechanical work during an emergency situation. Examples include stationary RICE used to produce power for critical networks or equipment (including power supplied to portions of a facility) when electric power from the local utility (or the normal power source, if the facility runs on its own power production) is interrupted, or stationary RICE used to pump water in the case of fire or flood, etc.
- (2) The stationary RICE is operated under limited circumstances for situations not included in subparagraph (1) of this definition (above), as specified in 40 CFR 63.6640(f).
- (3) The stationary RICE operates as part of a financial arrangement with another entity in situations not included in subparagraph (1) of this definition (above) only as allowed in 40 CFR 63.6640(f)(2)(ii) or (iii) and 40 CFR 63.6640(f)(4)(i) or (ii).

### SECTION III. EMISSIONS UNITS AND SPECIFIC CONDITIONS.

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#### Subsection B. Emissions Units 010, 011, 012 and 013

NOTE:

There is no time limit on the use of emergency stationary RICE in emergency situations. However; any operation of the unit other than emergency operation, maintenance and testing, emergency demand response, and operation in non-emergency situations for 50 hours per year, as described in paragraphs (f)(1) through (4) of 40 CFR 63.6640(f), will result in automatic reclassification of the unit to a non-emergency engine triggering all applicable requirements for non-emergency engines under Subpart ZZZZ. [40 CFR 63.6640(f)].

40 CFR 63 Subpart ZZZZ requires the following for these emergency stationary RICE (which should also be added to the Operating and Maintenance Plan).

- Have a non-resettable hour meter;
- Keep a log of usage and maintenance;
- Change the oil and filter every 500 hours or annually, whichever comes first.
- Check the air filter every 1,000 hours or annually, whichever comes first; and,
- Check belts and hoses every 500 hours or annually, whichever comes first.

## Section IV – Appendix

Appendix A: Glossary

Appendix I: List of Insignificant Emissions Units and/or Activities

Appendix RR: Facility-wide Reporting Requirements

Appendix TR: Facility-wide Testing Requirements

Appendix TV: Title V General Conditions

## APPENDIX A

### ABBREVIATIONS, ACRONYMS, CITATIONS AND IDENTIFICATION NUMBERS

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#### Abbreviations and Acronyms:

° F: degrees Fahrenheit	lbs/hr: pounds per hour
acfm: actual cubic feet per minute	LONG: Longitude
AOR: Annual Operating Report	MACT: maximum achievable technology
ARMS: Air Resource Management System (Department's database)	mm: millimeter
BACT: best available control technology	MMBtu: million British thermal units
Btu: British thermal units	MSDS: material safety data sheets
CAM: compliance assurance monitoring	MW: megawatt
CEMS: continuous emissions monitoring system	NESHAP: National Emissions Standards for Hazardous Air Pollutants
cfm: cubic feet per minute	NO <sub>x</sub> : nitrogen oxides
CFR: Code of Federal Regulations	NSPS: New Source Performance Standards
CO: carbon monoxide	O&M: operation and maintenance
COMS: continuous opacity monitoring system	O <sub>2</sub> : oxygen
DARM: Division of Air Resources Management	ORIS: Office of Regulatory Information Systems
DCA: Department of Community Affairs	OS: Organic Solvent
DEP: Department of Environmental Protection	Pb: lead
Department: Department of Environmental Protection	PM: particulate matter
dscfm: dry standard cubic feet per minute	PM <sub>10</sub> : particulate matter with a mean aerodynamic diameter of 10 microns or less
EPA: Environmental Protection Agency	PSD: prevention of significant deterioration
ESP: electrostatic precipitator (control system for reducing particulate matter)	psi: pounds per square inch
EU: emissions unit	PTE: potential to emit
F.A.C.: Florida Administrative Code	RACT: reasonably available control technology
F.D.: forced draft	RATA: relative accuracy test audit
F.S.: Florida Statutes	RMP: Risk Management Plan
FGR: flue gas recirculation	RO: Responsible Official
Fl: fluoride	SAM: sulfuric acid mist
ft <sup>2</sup> : square feet	scf: standard cubic feet
ft <sup>3</sup> : cubic feet	scfm: standard cubic feet per minute
gpm: gallons per minute	SIC: standard industrial classification code
gr: grains	SNCR: selective non-catalytic reduction (control system used for reducing emissions of nitrogen oxides)
HAP: hazardous air pollutant	SOA: Specific Operating Agreement
Hg: mercury	SO <sub>2</sub> : sulfur dioxide
I.D.: induced draft	TPH: tons per hour
ID: identification	TPY: tons per year
ISO: International Standards Organization (refers to those conditions at 288 Kelvin, 60% relative humidity and 101.3 kilopascals pressure.)	UTM: Universal Transverse Mercator coordinate system
kPa: kilopascals	VE: visible emissions
LAT: Latitude	VOC: volatile organic compounds
lb: pound	x: By or times

**APPENDIX A**

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**ABBREVIATIONS, ACRONYMS, CITATIONS AND IDENTIFICATION NUMBERS**

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**Citations:**

*The following examples illustrate the methods used in this permit to abbreviate and cite the references of rules, regulations, guidance memorandums, permit numbers and ID numbers.*

Code of Federal Regulations:

*Example:* [40 CFR 60.334]

Where:	40	refers to	Title 40
	CFR	refers to	Code of Federal Regulations
	60	refers to	Part 60
	60.334	refers to	Regulation 60.334

Florida Administrative Code (F.A.C.) Rules:

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

Where:	62	refers to	Title 62
	62-213	refers to	Chapter 62-213
	62-213.205	refers to	Rule 62-213.205, F.A.C.

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**Identification Numbers:**

Facility Identification (ID) Number:

*Example:* Facility ID No.: 1050221

*Where:*

105 =	3-digit number code identifying the facility is located in Polk County
0221 =	4-digit number assigned by state database.

Permit Numbers:

*Example:* 1050221-002-AV, or  
1050221-001-AC

*Where:*

AC =	Air Construction Permit
AV =	Air Operation Permit (Title V Source)
105 =	3-digit number code identifying the facility is located in Polk County
0221=	4-digit number assigned by permit tracking database
001 or 002=	3-digit sequential project number assigned by permit tracking database

*Example:* PSD-FL-185  
PA95-01  
AC53-208321

*Where:*

PSD =	Prevention of Significant Deterioration Permit
PA =	Power Plant Siting Act Permit
AC53 =	old Air Construction Permit numbering identifying the facility is located in Polk County

**APPENDIX I**

**LIST OF INSIGNIFICANT EMISSIONS UNITS AND/OR ACTIVITIES**

The facilities, emissions units, or pollutant-emitting activities listed in Rule 62-210.300(3)(a), F.A.C., Categorical Exemptions, or that meet the criteria specified in Rule 62-210.300(3)(b)1., F.A.C., Generic Emissions Unit Exemption, are exempt from the permitting requirements of Chapters 62-210, 62-212 and 62-4, F.A.C.; provided, however, that exempt emissions units shall be subject to any applicable emission limiting standards and the emissions from exempt emissions units or activities shall be considered in determining the potential emissions of the facility containing such emissions units. Emissions units and pollutant-emitting activities exempt from permitting under Rules 62-210.300(3)(a) and (b)1., F.A.C., shall not be exempt from the permitting requirements of Chapter 62-213, F.A.C., if they are contained within a Title V source; however, such emissions units and activities shall be considered insignificant for Title V purposes provided they also meet the criteria of Rule 62-213.430(6)(b), F.A.C. No emissions unit shall be entitled to an exemption from permitting under Rules 62-210.300(3)(a) and (b)1., F.A.C., if its emissions, in combination with the emissions of other units and activities at the facility, would cause the facility to emit or have the potential to emit any pollutant in such amount as to make the facility a Title V source.

**LIST OF INSIGNIFICANT ACTIVITIES/UNITS**

<b>ACTIVITY/UNIT</b>	<b>RATIONALE FOR INSIGNIFICANCE</b>
I.C. Engine- small portable steam/solvent cleaner	Exempt pursuant to Rule 62-210.300(3)(a)7, FAC
I.C. Engine- 18 kW portable welder	Exempt pursuant to Rule 62-210.300(3)(a)13, FAC
No. 2 Fuel Oil Storage Tank #2- 215,000 gallons	Exempt pursuant to Rule 62-213.430(6), FAC: Potential VOC emissions< 0.3tpy
No. 2 Fuel Oil Storage Tank #3- 215,000 gallons	Exempt pursuant to Rule 62-213.430(6), FAC: Potential VOC emissions< 0.3tpy
No. 2 Fuel Oil Storage Tank #4- 230,000 gallons	Exempt pursuant to Rule 62-213.430(6), FAC: Potential VOC emissions< 0.3tpy
No. 2 Fuel Oil Storage Tank #5- 22,680 gallons	Exempt pursuant to Rule 62-213.430(6), FAC: Potential VOC emissions< 0.1tpy
No. 2 Fuel Oil Day Tank (Units #003 & 004)- ≈ 1,500 gallons	Exempt pursuant to Rule 62-213.430(6), FAC: Potential VOC emissions< 0.1tpy
No. 2 Fuel Oil Day Tank (Units #001 & 002)- ≈ 250 gallons	Exempt pursuant to Rule 62-213.430(6), FAC: Potential VOC emissions< 0.1tpy
No. 2 Fuel Oil Day Tank (Unit #005) (retired in place	Exempt pursuant to Rule 62-213.430(6), FAC: No emissions
No. 2 Fuel Oil Day Tank (Unit #6) - ≈ 200gallons	Exempt pursuant to Rule 62-213.430(6), FAC: Potential VOC emissions< 0.1tpy
No. 2 Fuel Oil Day Tank (Unit #7) - ≈ 200 gallons	Exempt pursuant to Rule 62-213.430(6), FAC: Potential VOC emissions< 0.1tpy
Vehicle Fuel Tank #6 (unleaded gasoline)- 2,000 gallons	Exempt pursuant to Rule 62-213.430(6), FAC: Potential VOC emissions< 0.5tpy
Vehicle Fuel tank #7 (diesel- 2,000 gallons	Exempt pursuant to Rule 62-213.430(6), FAC: Low vapor pressure: Potential VOC emissions negligible
Texaco Lubricating Oil Storage tank #8- 8,000 gallons	Exempt pursuant to Rule 62-213.430(6), FAC: Very low vapor pressures: no emissions
Shell Lubricating Oil Storage Tank #9- 8,000 gallons	Exempt pursuant to Rule 62-213.430(6), FAC: Very low vapor pressures: no emissions
Light Fuel Oil Tanks (2)- ≈ 250 gallons ea.	Exempt pursuant to Rule 62-213.430(6), FAC: Low vapor pressures: Potential VOC emissions <0.1 tpy
Used Oil Tanks (2)- 1,000 gallons ea.	Exempt pursuant to Rule 62-213.430(6), FAC: Very low vapor pressures: no emissions
Waste Oil/ Water Drip Collection Tanks -(2) @ 20" dia x 30" side	Exempt pursuant to Rule 62-213.430(6), FAC: Very low vapor pressures: no emissions
Centrifuge Waste Oil Collection Tank- ≈ 350 gallons	Exempt pursuant to Rule 62-213.430(6), FAC: Very low vapor pressures: no emissions
Centrifuges (2)- No. 2 Fuel Oil processing	Exempt pursuant to Rule 62-213.430(6), FAC: Very low vapor pressures: Potential VOC emissions est. <1tpy
Lube Oil Tanks and Vents- all machinery	Exempt pursuant to Rule 62-213.430(6), FAC: Very low vapor pressures: Negligible emissions
Transformer Mineral Oil Storage Area	Exempt pursuant to Rule 62-213.430(6), FAC: material stored in closed 55 gallon drums: no emissions
Lubrizon (fuel additive) storage	Exempt pursuant to Rule 62-213.430(6), FAC: material stored in closed 55 gallon drums: no emissions
Engine Oil Storage tanks (3)- ≈ 1,500 gallons ea.	Exempt pursuant to Rule 62-213.430(6), FAC: Very low vapor pressure; No emissions
Propane Storage tank #1- 500 gallons	Exempt pursuant to Rule 62-213.430(6), FAC: No emissions
Propane Storage Tank #2 - ≈ 300lbs.	Exempt pursuant to Rule 62-213.430(6), FAC: No emissions

**APPENDIX RR**  
**FACILITY-WIDE REPORTING REQUIREMENTS**

**RR1. Reporting Schedule.** This table summarizes information for convenience purposes only. It does not supersede any of the terms or conditions of this permit.

<b>Report</b>	<b>Reporting Deadline(s)</b>	<b>Related Condition(s)</b>
Plant Problems/Permit Deviations	Immediately upon occurrence (See RR2.d.)	RR2, RR3
Malfunction Excess Emissions Report	Quarterly (if requested)	RR3
Semi-Annual Monitoring Report	Every 6 months	RR4
Annual Operating Report	April 1	RR5
Annual Emissions Fee Form and Fee	March 1	RR6
Annual Statement of Compliance	Within 60 days after the end of each calendar year (or more frequently if specified by Rule 62-213.440(2), F.A.C., or by any other applicable requirement); and  Within 60 days after submittal of a written agreement for transfer of responsibility, or  Within 60 days after permanent shutdown.	RR7
Notification of Administrative Permit Corrections	As needed	RR8
Notification of Startup after Shutdown for More than One Year	Minimum of 60 days prior to the intended startup date or, if emergency startup, as soon as possible after the startup date is ascertained	RR9
Permit Renewal Application	225 days prior to the expiration date of permit	TV17
Test Reports	Maximum 45 days following compliance tests	TR8

*{Permitting Note: See permit Section III. Emissions Units and Specific Conditions, for any additional Emission Unit-specific reporting requirements.}*

**RR2. Reports of Problems.**

- a. Plant Operation-Problems. If the permittee is temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by hazard of fire, wind or by other cause, the permittee shall immediately notify the Department. Notification shall include pertinent information as to the cause of the problem, and what steps are being taken to correct the problem and to prevent its recurrence, and where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with Department rules.
- b. 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:
  - (1) A description of and cause of noncompliance; and
  - (2) 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.
- c. 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

**APPENDIX RR**  
**FACILITY-WIDE REPORTING REQUIREMENTS**

---

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.

- d. "Immediately" shall mean the same day, if during a workday (i.e., 8:00 a.m. - 5:00 p.m.), or the first business day after the incident, excluding weekends and holidays; and, for purposes of Rule 62-4.160(15) and 40 CFR 70.6(a)(3)(iii)(B), "promptly" or "prompt" shall have the same meaning as "immediately".

[Rule 62-4.130, Rule 62-4.160(8), Rule 62-4.160(15), and Rule 62-213.440(1)(b), F.A.C.; 40 CFR 70.6(a)(3)(iii)(B)]

**RR3. Reports of Deviations from Permit Requirements.** The permittee shall report in accordance with the requirements of Rule 62-210.700(6), F.A.C. (below), and Rule 62-4.130, F.A.C. (condition RR2.), deviations from permit requirements, including those attributable to upset conditions as defined in the permit. Reports shall include the probable cause of such deviations, and any corrective actions or preventive measures taken.

*Rule 62-210.700(6):* In case of excess emissions resulting from malfunctions, each owner or operator shall notify the Department or the appropriate Local Program in accordance with Rule 62-4.130, F.A.C. (See condition RR2.). A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department.

[Rules 62-213.440(1)(b)3.b., and 62-210.700(6)F.A.C.]

**RR4. Semi-Annual Monitoring Reports.** The permittee shall submit reports of any required monitoring at least every six (6) months. All instances of deviations from permit requirements must be clearly identified in such reports. [Rule 62-213.440(1)(b)3.a., F.A.C.]

**RR5. Annual Operating Report.**

- a. The permittee shall submit to the Compliance Authority, each calendar year, on or before April 1, a completed DEP Form No 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility", for the preceding calendar year.

- b. Emissions shall be computed in accordance with the provisions of Rule 62-210.370(2), F.A.C.

[Rules 62-210.370(2) & (3), and 62-213.440(3)(a)2., F.A.C.]

**RR6. Annual Emissions Fee Form and Fee.** Each Title V source permitted to operate in Florida must pay between January 15 and March 1 of each year, an annual emissions fee in an amount determined as set forth in Rule 62-213.205(1), F.A.C.

- a. If the Department has not received the fee by February 15 of the year following the calendar year for which the fee is calculated, the Department will send the primary responsible official of the Title V source a written warning of the consequences for failing to pay the fee by March 1. If the fee is not postmarked by March 1 of the year due, the Department shall impose, in addition to the fee, a penalty of 50 percent of the amount of the fee unpaid plus interest on such amount computed in accordance with Section 220.807, F.S. If the Department determines that a submitted fee was inaccurately calculated, the Department shall either refund to the permittee any amount overpaid or notify the permittee of any amount underpaid. The Department shall not impose a penalty or interest on any amount underpaid, provided that the permittee has timely remitted payment of at least 90 percent of the amount determined to be due and remits full payment within 60 days after receipt of notice of the amount underpaid. The Department shall waive the collection of underpayment and shall not refund overpayment of the fee, if the amount is less than 1 percent of the fee due, up to \$50.00. The Department shall make every effort to provide a timely assessment of the adequacy of the submitted fee. Failure to pay timely any required annual emissions fee, penalty, or interest constitutes grounds for permit revocation pursuant to Rule 62-4.100, F.A.C.

- b. Any documentation of actual hours of operation, actual material or heat input, actual production amount, or actual emissions used to calculate the annual emissions fee shall be retained by the owner for a minimum of five (5) years and shall be made available to the Department upon request.

- c. A completed DEP Form 62-213.900(1), "Major Air Pollution Source Annual Emissions Fee Form", must be submitted by a responsible official with the annual emissions fee.

[Rules 62-213.205(1), (1)(g), (1)(i) & (1)(j), F.A.C.]

**APPENDIX RR**  
**FACILITY-WIDE REPORTING REQUIREMENTS**

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**RR7. Annual Statement of Compliance.**

- a. The permittee shall submit a Statement of Compliance with all terms and conditions of the permit that includes all the provisions of 40 CFR 70.6(c)(5)(iii), incorporated by reference at Rule 62-204.800, F.A.C., using DEP Form No. 62-213.900(7). Such statement shall be accompanied by a certification in accordance with Rule 62-213.420(4), F.A.C., for Title V requirements and with Rule 62-214.350, F.A.C., for Acid Rain requirements. Such statements shall be submitted (postmarked) to the Department and EPA:
  - (1) Annually, within 60 days after the end of each calendar year during which the Title V permit was effective, or more frequently if specified by Rule 62-213.440(2), F.A.C., or by any other applicable requirement; and
  - (2) Within 60 days after submittal of a written agreement for transfer of responsibility as required pursuant to 40 CFR 70.7(d)(1)(iv), adopted and incorporated by reference at Rule 62-204.800, F.A.C., or within 60 days after permanent shutdown of a facility permitted under Chapter 62-213, F.A.C.; provided that, in either such case, the reporting period shall be the portion of the calendar year the permit was effective up to the date of transfer of responsibility or permanent facility shutdown, as applicable.
- b. In lieu of individually identifying all applicable requirements and specifying times of compliance with, non-compliance with, and deviation from each, the responsible official may use DEP Form No. 62-213.900(7) as such statement of compliance so long as the responsible official identifies all reportable deviations from and all instances of non-compliance with any applicable requirements and includes all information required by the federal regulation relating to each reportable deviation and instance of non-compliance.
- c. The responsible official may treat compliance with all other applicable requirements as a surrogate for compliance with Rule 62-296.320(2), Objectionable Odor Prohibited.

[Rules 62-213.440(3)(a)2. & 3. and (b), F.A.C.]

**RR8. Notification of Administrative Permit Corrections.**

- a. A facility owner shall notify the Department by letter of minor corrections to information contained in a permit. Such notifications shall include:
  - (1) Typographical errors noted in the permit;
  - (2) Name, address or phone number change from that in the permit;
  - (3) A change requiring more frequent monitoring or reporting by the permittee;
  - (4) A change in ownership or operational control of a facility, subject to the following provisions:
    - (a) The Department determines that no other change in the permit is necessary;
    - (b) The permittee and proposed new permittee have submitted an Application for Transfer of Air Permit, and the Department has approved the transfer pursuant to Rule 62-210.300(7), F.A.C.; and
    - (c) The new permittee has notified the Department of the effective date of sale or legal transfer.
  - (5) Changes listed at 40 CFR 72.83(a)(1), (2), (6), (9) and (10), adopted and incorporated by reference at Rule 62-204.800, F.A.C., and changes made pursuant to Rules 62-214.340(1) and (2), F.A.C., to Title V sources subject to emissions limitations or reductions pursuant to 42 USC ss. 7651-7651o;
  - (6) Changes listed at 40 CFR 72.83(a)(11) and (12), adopted and incorporated by reference at Rule 62-204.800, F.A.C., to Title V sources subject to emissions limitations or reductions pursuant to 42 USC ss. 7651-7651o, provided the notification is accompanied by a copy of any EPA determination concerning the similarity of the change to those listed at Rule 62-210.360(1)(e), F.A.C.; and
  - (7) Any other similar minor administrative change at the source.
- b. Upon receipt of any such notification, the Department shall within 60 days correct the permit and provide a corrected copy to the owner.
- c. After first notifying the owner, the Department shall correct any permit in which it discovers errors of the types listed at Rules 62-210.360(1)(a) and (b), F.A.C., and provide a corrected copy to the owner.
- d. For Title V source permits, other than general permits, a copy of the corrected permit shall be provided to EPA and any approved local air program in the county where the facility or any part of the facility is located.

[Rule 62-210.360, F.A.C.]

**APPENDIX RR**  
**FACILITY-WIDE REPORTING REQUIREMENTS**

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- RR9. Notification of Startup.** The owners or operator of any emissions unit or facility which has a valid air operation permit which has been shut down more than one year, shall notify the Department in writing of the intent to start up such emissions unit or facility, a minimum of 60 days prior to the intended startup date.
- a. The notification shall include information as to the startup date, anticipated emission rates or pollutants released, changes to processes or control devices which will result in changes to emission rates, and any other conditions which may differ from the valid outstanding operation permit.
  - b. If, due to an emergency, a startup date is not known 60 days prior thereto, the owner shall notify the Department as soon as possible after the date of such startup is ascertained.
- [Rule 62-210.300(5), F.A.C.]
- RR10. Report Submission.** The permittee shall submit all compliance related notifications and reports required of this permit to the Compliance Authority. {See front of permit for address and phone number.}
- RR11. EPA Report Submission.** Any reports, data, notifications, certifications, and requests required to be sent to the United States Environmental Protection Agency, Region 4, should be sent to: Air, Pesticides & Toxics Management Division, United States Environmental Protection Agency, Region 4, Sam Nunn Atlanta Federal Center, 61 Forsyth Street SW, Atlanta, GA 30303-8960. Phone: 404/562-9077.
- RR12. Acid Rain Report Submission.** Acid Rain Program Information shall be submitted, as necessary, to: Department of Environmental Protection, 2600 Blair Stone Road, Mail Station #5510, Tallahassee, Florida 32399-2400. Phone: 850/488-6140. Fax: 850/922-6979.
- RR13. Report Certification.** All reports shall be accompanied by a certification by a responsible official, pursuant to Rule 62-213.420(4), F.A.C. [Rule 62-213.440(1)(b)3.c, F.A.C.]
- RR14. Certification by Responsible Official (RO).** In addition to the professional engineering certification required for applications by Rule 62-4.050(3), F.A.C., any application form, report, compliance statement, compliance plan and compliance schedule submitted pursuant to Chapter 62-213, F.A.C., shall contain a certification signed by a responsible official that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. Any responsible official who fails to submit any required information or who has submitted incorrect information shall, upon becoming aware of such failure or incorrect submittal, promptly submit such supplementary information or correct information. [Rule 62-213.420(4), F.A.C.]
- RR15. Confidential Information.** Whenever an applicant submits information under a claim of confidentiality pursuant to Section 403.111, F.S., the applicant shall also submit a copy of all such information and claim directly to EPA. Any permittee may claim confidentiality of any data or other information by complying with this procedure. [Rules 62-213.420(2), and 62-213.440(1)(d)6., F.A.C.]
- RR16. Forms and Instructions.** The forms used by the Department in the Title V source operation program are adopted and incorporated by reference in Rule 62-213.900, F.A.C. The forms are listed by rule number, which is also the form number, and with the subject, title, and effective date. Copies of forms may be obtained by writing to the Department of Environmental Protection, Division of Air Resource Management, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, by contacting the appropriate permitting authority or by accessing the Department's web site at: <http://www.dep.state.fl.us/air/rules/forms.htm>.
- a. Major Air Pollution Source Annual Emissions Fee Form (Effective 10/12/2008).
  - b. Statement of Compliance Form (Effective 06/02/2002).
  - c. Responsible Official Notification Form (Effective 06/02/2002).
- [Rule 62-213.900, F.A.C.: Forms (1), (7) and (8)]

**APPENDIX TR**  
**FACILITY-WIDE TESTING REQUIREMENTS**

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Unless otherwise specified in the permit, the following testing requirements apply to each emissions unit for which testing is required. The terms “stack” and “duct” are used interchangeably in this appendix.

- TR1.** Required Number of Test Runs. For mass emission limitations, a compliance test shall consist of three complete and separate determinations of the total air pollutant emission rate through the test section of the stack or duct and three complete and separate determinations of any applicable process variables corresponding to the three distinct time periods during which the stack emission rate was measured; provided, however, that three complete and separate determinations shall not be required if the process variables are not subject to variation during a compliance test, or if three determinations are not necessary in order to calculate the unit's emission rate. 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, the Secretary or his or her designee may accept the results of two complete runs as proof of compliance, provided that the arithmetic mean of the two complete runs is at least 20% below the allowable emission limiting standard. [Rule 62-297.310(1), F.A.C.]
- TR2.** Operating Rate During Testing. Testing of emissions shall be conducted with the emissions unit operating at permitted capacity. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test rate 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. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. [Rule 62-297.310(2), F.A.C.]
- TR3.** Calculation of Emission Rate. For each emissions performance test, the indicated emission rate or concentration shall be the arithmetic average of the emission rate or concentration determined by each of the three separate test runs unless otherwise specified in a particular test method or applicable rule. [Rule 62-297.310(3), F.A.C.]
- TR4.** Applicable Test Procedures.
- a. Required Sampling Time.
- (1) Unless otherwise specified in the applicable rule, 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.
- (2) Opacity Compliance Tests. When either EPA Method 9 or DEP Method 9 is specified as the applicable opacity test method, the required minimum period of observation for a compliance test shall be sixty (60) minutes for emissions units which emit or have the potential to emit 100 tons per year or more of particulate matter, and thirty (30) minutes for emissions units which have potential emissions less than 100 tons per year of particulate matter and are not subject to a multiple-valued opacity standard. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. Exceptions to these requirements are as follows:
- (a) For batch, cyclical processes, or other operations which are normally completed within less than the minimum observation period and do not recur within that time, the period of observation shall be equal to the duration of the batch cycle or operation completion time.
- (b) The observation period for special opacity tests that are conducted to provide data to establish a surrogate standard pursuant to Rule 62-297.310(5)(k), F.A.C., Waiver of Compliance Test Requirements, shall be established as necessary to properly establish the relationship between a proposed surrogate standard and an existing mass emission limiting standard.
- (c) The minimum observation period for opacity tests conducted by employees or agents of the Department to verify the day-to-day continuing compliance of a unit or activity with an applicable opacity standard shall be twelve minutes.
- b. Minimum Sample Volume. Unless otherwise specified in the applicable rule or test method, the minimum sample volume per run shall be 25 dry standard cubic feet.

**APPENDIX TR**  
**FACILITY-WIDE TESTING REQUIREMENTS**

- c. *Required Flow Rate Range.* For EPA Method 5 particulate sampling, acid mist/sulfur dioxide, and fluoride sampling which uses Greenburg Smith type impingers, the sampling nozzle and sampling time shall be selected such that the average sampling rate will be between 0.5 and 1.0 actual cubic feet per minute, and the required minimum sampling volume will be obtained.
- d. *Calibration of Sampling Equipment.* Calibration of the sampling train equipment shall be conducted in accordance with the schedule shown in Table 297.310-1, F.A.C.

<b>TABLE 297.310-1 CALIBRATION SCHEDULE</b>			
<b>ITEM</b>	<b>MINIMUM CALIBRATION FREQUENCY</b>	<b>REFERENCE INSTRUMENT</b>	<b>TOLERANCE</b>
Liquid in glass thermometer	Annually	ASTM Hg in glass ref. thermometer or equivalent or thermometric points	+/-2%
Bimetallic thermometer	Quarterly	Calib. liq. in glass	5° F
Thermocouple	Annually	ASTM Hg in glass ref. thermometer, NBS calibrated reference and potentiometer	5° F
Barometer	Monthly	Hg barometer or NOAA station	+/-1% scale
Pitot Tube	When required or when damaged	By construction or measurements in wind tunnel D greater than 16" and standard pitot tube	See EPA Method 2, Fig. 2-2 & 2-3
Probe Nozzles	Before each test or when nicked, dented, or corroded	Micrometer	+/- 0.001" mean of at least three readings; Max. deviation between readings, 0.004"
Dry Gas Meter and Orifice Meter	1. Full Scale: When received, when 5% change observed, annually	Spirometer or calibrated wet test or dry gas test meter	2%
	2. One Point: Semiannually		
	3. Check after each test series	Comparison check	5%

- e. *Allowed Modification to EPA Method 5.* When EPA Method 5 is required, the following modification is allowed: the heated filter may be separated from the impingers by a flexible tube.

[Rule 62-297.310(4), F.A.C.]

**TR5. Determination of Process Variables.**

- a. *Required Equipment.* The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.

**APPENDIX TR**  
**FACILITY-WIDE TESTING REQUIREMENTS**

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- b. *Accuracy of Equipment.* Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.  
[Rule 62-297.310(5), F.A.C.]

**TR6. Sampling Facilities.** Permittees that are required to sample mass emissions from point sources shall install stack sampling ports and provide sampling facilities that meet the requirements of this condition. Sampling facilities include sampling ports, work platforms, access to work platforms, electrical power, and sampling equipment support. All stack sampling facilities must also comply with all applicable Occupational Safety and Health Administration (OSHA) Safety and Health Standards described in 29 CFR Part 1910, Subparts D and E.

- a. *Permanent Test Facilities.* The owner or operator of an emissions unit for which a compliance test, other than a visible emissions test, is required on at least an annual basis, shall install and maintain permanent stack sampling facilities.
- b. *Temporary Test Facilities.* The owner or operator of an emissions unit that is not required to conduct a compliance test on at least an annual basis may use permanent or temporary stack sampling facilities. If the owner chooses to use temporary sampling 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.
- c. *Sampling Ports.*
- (1) All sampling ports shall have a minimum inside diameter of 3 inches.
  - (2) The ports shall be capable of being sealed when not in use.
  - (3) The sampling ports shall be located in the stack at least 2 stack diameters or equivalent diameters downstream and at least 0.5 stack diameter or equivalent diameter upstream from any fan, bend, constriction or other flow disturbance.
  - (4) For emissions units for which a complete application to construct has been filed prior to December 1, 1980, at least two sampling ports, 90 degrees apart, shall be installed at each sampling location on all circular stacks that have an outside diameter of 15 feet or less. For stacks with a larger diameter, four sampling ports, each 90 degrees apart, shall be installed. For emissions units for which a complete application to construct is filed on or after December 1, 1980, at least two sampling ports, 90 degrees apart, shall be installed at each sampling location on all circular stacks that have an outside diameter of 10 feet or less. For stacks with larger diameters, four sampling ports, each 90 degrees apart, shall be installed. On horizontal circular ducts, the ports shall be located so that the probe can enter the stack vertically, horizontally or at a 45 degree angle.
  - (5) On rectangular ducts, the cross sectional area shall be divided into the number of equal areas in accordance with EPA Method 1. Sampling ports shall be provided which allow access to each sampling point. The ports shall be located so that the probe can be inserted perpendicular to the gas flow.
- d. *Work Platforms.*
- (1) Minimum size of the working platform shall be 24 square feet in area. Platforms shall be at least 3 feet wide.
  - (2) On circular stacks with 2 sampling ports, the platform shall extend at least 110 degrees around the stack.
  - (3) On circular stacks with more than two sampling ports, the work platform shall extend 360 degrees around the stack.
  - (4) All platforms shall be equipped with an adequate safety rail (ropes are not acceptable), toe board, and hinged floor-opening cover if ladder access is used to reach the platform. The safety rail directly in line with the sampling ports shall be removable so that no obstruction exists in an area 14 inches below each sample port and 6 inches on either side of the sampling port.
- e. *Access to Work Platform.*

**APPENDIX TR**  
**FACILITY-WIDE TESTING REQUIREMENTS**

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- (1) Ladders to the work platform exceeding 15 feet in length shall have safety cages or fall arresters with a minimum of 3 compatible safety belts available for use by sampling personnel.
- (2) Walkways over free-fall areas shall be equipped with safety rails and toe boards.
- f. *Electrical Power.*
  - (1) A minimum of two 120-volt AC, 20-amp outlets shall be provided at the sampling platform within 20 feet of each sampling port.
  - (2) If extension cords are used to provide the electrical power, they shall be kept on the plant's property and be available immediately upon request by sampling personnel.
- g. *Sampling Equipment Support.*
  - (1) A three-quarter inch eyebolt and an angle bracket shall be attached directly above each port on vertical stacks and above each row of sampling ports on the sides of horizontal ducts.
    - (a) The bracket shall be a standard 3 inch × 3 inch × one-quarter inch equal-legs bracket which is 1 and one-half inches wide. A hole that is one-half inch in diameter shall be drilled through the exact center of the horizontal portion of the bracket. The horizontal portion of the bracket shall be located 14 inches above the centerline of the sampling port.
    - (b) A three-eighth inch bolt which protrudes 2 inches from the stack may be substituted for the required bracket. The bolt shall be located 15 and one-half inches above the centerline of the sampling port.
    - (c) The three-quarter inch eyebolt shall be capable of supporting a 500 pound working load. For stacks that are less than 12 feet in diameter, the eyebolt shall be located 48 inches above the horizontal portion of the angle bracket. For stacks that are greater than or equal to 12 feet in diameter, the eyebolt shall be located 60 inches above the horizontal portion of the angle bracket. If the eyebolt is more than 120 inches above the platform, a length of chain shall be attached to it to bring the free end of the chain to within safe reach from the platform.
  - (2) A complete monorail or dual rail arrangement may be substituted for the eyebolt and bracket.
  - (3) When the sample ports are located in the top of a horizontal duct, a frame shall be provided above the port to allow the sample probe to be secured during the test.

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

**TR7. Frequency of Compliance Tests.** The following provisions apply only to those emissions units that are subject to an emissions limiting standard for which compliance testing is required.

- a. *General Compliance Testing.*
  - (1) The owner or operator of a new or modified emissions unit that is subject to an emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining an operation permit for such emissions unit.
  - (2) For excess emission limitations for particulate matter specified in Rule 62-210.700, F.A.C., a compliance test shall be conducted annually while the emissions unit is operating under soot blowing conditions in each federal fiscal year during which soot blowing is part of normal emissions unit operation, except that such test shall not be required in any federal fiscal year in which a fossil fuel steam generator does not burn liquid and/or solid fuel for more than 400 hours other than during startup.
  - (3) The owner or operator of an emissions unit that is subject to any emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining a renewed operation permit. Emissions units that are required to conduct an annual compliance test may submit the most recent annual compliance test to satisfy the requirements of this provision. In renewing an air operation permit pursuant to sub-subparagraph 62-210.300(2)(a)3.b., c., or d., F.A.C., the Department shall not require submission of emission compliance test results for any emissions unit that, during the year prior to renewal:
    - (a) Did not operate; or
    - (b) In the case of a fuel burning emissions unit, burned liquid and/or solid fuel for a total of no more than 400 hours.

**APPENDIX TR**  
**FACILITY-WIDE TESTING REQUIREMENTS**

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- (4) During each federal fiscal year (October 1 – September 30), unless otherwise specified by rule, order, or permit, the owner or operator of each emissions unit shall have a formal compliance test conducted for:
    - (a) Visible emissions, if there is an applicable standard;
    - (b) Each of the following pollutants, if there is an applicable standard, and if the emissions unit emits or has the potential to emit: 5 tons per year or more of lead or lead compounds measured as elemental lead; 30 tons per year or more of acrylonitrile; or 100 tons per year or more of any other regulated air pollutant; and
    - (c) Each NESHAP pollutant, if there is an applicable emission standard.
  - (5) An annual compliance test for particulate matter emissions shall not be required for any fuel burning emissions unit that, in a federal fiscal year, does not burn liquid and/or solid fuel, other than during startup, for a total of more than 400 hours.
  - (6) For fossil fuel steam generators on a semi-annual particulate matter emission compliance testing schedule, a compliance test shall not be required for any six-month period in which liquid and/or solid fuel is not burned for more than 200 hours other than during startup.
  - (7) For emissions units electing to conduct particulate matter emission compliance testing quarterly pursuant to paragraph 62-296.405(2)(a), F.A.C., a compliance test shall not be required for any quarter in which liquid and/or solid fuel is not burned for more than 100 hours other than during startup.
  - (8) Any combustion turbine that does not operate for more than 400 hours per year shall conduct a visible emissions compliance test once per each five-year period, coinciding with the term of its air operation permit.
  - (9) The owner or operator shall notify the Department, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.
  - (10) An annual compliance test conducted for visible emissions shall not be required for units exempted from air permitting pursuant to subsection 62-210.300(3), F.A.C.; units determined to be insignificant pursuant to subparagraph 62-213.300(2)(a)1., A.C., or paragraph 62-213.430(6)(b), F.A.C.; or units permitted under the General Permit provisions in paragraph 62-210.300(4)(a) or Rule 62-213.300, F.A.C., unless the general permit specifically requires such testing.
- b. *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 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 and to provide a report on the results of said tests to the Department.
  - c. *Waiver of Compliance Test Requirements.* If the owner or operator of an emissions unit that is subject to a compliance test requirement demonstrates to the Department, pursuant to the procedure established in Rule 62-297.620, F.A.C., that the compliance the emissions unit with an applicable weight emission limiting standard can be adequately determined by means other than the designated test procedure, such as specifying a surrogate standard of no visible emissions for particulate matter sources equipped with a bag house or specifying a fuel analysis for sulfur dioxide emissions, the Department shall waive the compliance test requirements for such emissions units and order that the alternate means of determining compliance be used, provided, however, the provisions of paragraph 62-297.310(7)(b), F.A.C., shall apply.

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

**TR8. Test Reports.**

- a. The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Department on the results of each such test.
- b. The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed.

**APPENDIX TR**  
**FACILITY-WIDE TESTING REQUIREMENTS**

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- 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 or DEP Method 9 test, shall provide the following information.
- (1) The type, location, and designation of the emissions unit tested.
  - (2) The facility at which the emissions unit is located.
  - (3) The owner or operator of the emissions unit.
  - (4) The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.
  - (5) The means, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emission limiting standard.
  - (6) The type of air pollution control devices installed on the emissions unit, their general condition, their normal operating parameters (pressure drops, total operating current and GPM scrubber water), and their operating parameters during each test run.
  - (7) A sketch of the duct within 8 stack diameters upstream and 2 stack diameters downstream of the sampling ports, 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 used, including any alternative procedures authorized pursuant to Rule 62-297.620, F.A.C. Where optional procedures are authorized in this chapter, indicate which option was used.
  - (10) The number of points sampled and 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, 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) Data on the amount of pollutant collected from each sampling probe, the filters, and the impingers, are reported separately for the compliance test.
  - (17) The names of individuals who furnished the process variable data, conducted the test, analyzed the samples and prepared the report.
  - (18) All measured and calculated data required to be determined by each applicable test procedure for each run.
  - (19) The detailed calculations for one run that relate the collected data to the calculated emission rate.
  - (20) The applicable emission standard and the resulting maximum allowable emission rate for the emissions unit plus the test result in the same form and unit of measure.
  - (21) A certification that, to the knowledge of the owner or his authorized agent, all data submitted are true and correct. When a compliance 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 his authorized agent shall certify that all data required and provided to the person conducting the test are true and correct to his knowledge.

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

**APPENDIX TV**  
**TITLE V GENERAL CONDITIONS**

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**Operation**

- TV1. General Prohibition.** A permitted installation may only be operated, maintained, constructed, expanded or modified in a manner that is consistent with the terms of the permit. [Rule 62-4.030, Florida Administrative Code (F.A.C.)]
- TV2. Validity.** 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. [Rule 62-4.160(2), F.A.C.]
- TV3. Proper Operation and Maintenance.** 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. [Rule 62-4.160(6), F.A.C.]
- TV4. Not Federally Enforceable. Health, Safety and Welfare.** To ensure protection of public health, safety, and welfare, any construction, modification, or operation of an installation which may be a source of pollution, shall be in accordance with sound professional engineering practices pursuant to Chapter 471, F.S. [Rule 62-4.050(3), F.A.C.]
- TV5. Continued Operation.** An applicant making timely and complete application for permit, or for permit renewal, shall continue to operate the source under the authority and provisions of any existing valid permit or Florida Electrical Power Plant Siting Certification, and in accordance with applicable requirements of the Acid Rain Program, applicable requirements of the CAIR Program, and applicable requirements of the Hg Budget Trading Program, until the conclusion of proceedings associated with its permit application or until the new permit becomes effective, whichever is later, provided the applicant complies with all the provisions of subparagraphs 62-213.420(1)(b)3., F.A.C. [Rules 62-213.420(1)(b)2., F.A.C.]
- TV6. Changes Without Permit Revision.** Title V sources having a valid permit issued pursuant to Chapter 62-213, F.A.C., may make the following changes without permit revision, provided that sources shall maintain source logs or records to verify periods of operation:
- a. Permitted sources may change among those alternative methods of operation allowed by the source's permit as provided by the terms of the permit;
  - b. A permitted source may implement operating changes, as defined in Rule 62-210.200, F.A.C., after the source submits any forms required by any applicable requirement and provides the Department and EPA with at least 7 days written notice prior to implementation. The source and the Department shall attach each notice to the relevant permit;
    - (1) The written notice shall include the date on which the change will occur, and a description of the change within the permitted source, the pollutants emitted and any change in emissions, and any term or condition becoming applicable or no longer applicable as a result of the change;
    - (2) The permit shield described in Rule 62-213.460, F.A.C., shall not apply to such changes;
  - c. Permitted sources may implement changes involving modes of operation only in accordance with Rule 62-213.415, F.A.C.  
[Rule 62-213.410, F.A.C.]
- TV7. Circumvention.** No person shall circumvent any air pollution control device, or allow the emission of air pollutants without the applicable air pollution control device operating properly. [Rule 62-210.650, F.A.C.]

**Compliance**

- TV8. Compliance with Chapter 403, F.S., and Department Rules.** Except as provided at Rule 62-213.460, Permit Shield, F.A.C., the issuance of a permit does not relieve any person from complying with the requirements of Chapter 403, F.S., or Department rules. [Rule 62-4.070(7), F.A.C.]

**APPENDIX TV**  
**TITLE V GENERAL CONDITIONS**

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- TV9. Compliance with Federal, State and Local Rules.** Except as provided at Rule 62-213.460, F.A.C., issuance of a permit does not relieve the owner or operator of a facility or an emissions unit from complying with any applicable requirements, any emission limiting standards or other requirements of the air pollution rules of the Department or any other such requirements under federal, state, or local law. [Rule 62-210.300, F.A.C.]
- TV10. Binding and enforceable.** 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. [Rule 62-4.160(1), F.A.C.]
- TV11. Timely information.** 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. [Rule 62-4.160(15), F.A.C.]
- TV12. Halting or reduction of source activity.** It shall not be a defense for a permittee in an enforcement action that maintaining compliance with any permit condition would necessitate halting of or reduction of the source activity. [Rule 62-213.440(1)(d)3., F.A.C.]
- TV13. Final permit action.** Any Title V source shall comply with all the terms and conditions of the existing permit until the Department has taken final action on any permit renewal or any requested permit revision, except as provided at Rule 62-213.412(2), F.A.C. [Rule 62-213.440(1)(d)4., F.A.C.]
- TV14. Sudden and unforeseeable events beyond the control of the source.** A situation arising from sudden and unforeseeable events beyond the control of the source which causes an exceedance of a technology-based emissions limitation because of unavoidable increases in emissions attributable to the situation and which requires immediate corrective action to restore normal operation, shall be an affirmative defense to an enforcement action in accordance with the provisions and requirements of 40 CFR 70.6(g)(2) and (3), hereby adopted and incorporated by reference. [Rule 62-213.440(1)(d)5., F.A.C.]
- TV15. Permit Shield.** Except as provided in Chapter 62-213, F.A.C., compliance with the terms and conditions of a permit issued pursuant to Chapter 62-213, F.A.C., shall, as of the effective date of the permit, be deemed compliance with any applicable requirements in effect, provided that the source included such applicable requirements in the permit application. Nothing in this condition or in any permit shall alter or affect the ability of EPA or the Department to deal with an emergency, the liability of an owner or operator of a source for any violation of applicable requirements prior to or at the time of permit issuance, or the requirements of the Federal Acid Rain Program or the CAIR Program. [Rule 62-213.460, F.A.C.]
- TV16. Compliance With Federal Rules.** A facility or emissions unit subject to any standard or requirement of 40 CFR, Part 60, 61, 63 or 65, adopted and incorporated by reference at Rule 62-204.800, F.A.C., shall comply with such standard or requirement. Nothing in this chapter shall relieve a facility or emissions unit from complying with such standard or requirement, provided, however, that where a facility or emissions unit is subject to a standard established in Rule 62-296, F.A.C., such standard shall also apply. [Rule 62-296.100(3), F.A.C.]

**Permit Procedures**

- TV17. Permit Revision Procedures.** The permittee shall revise its permit as required by Rules 62-213.400, 62-213.412, 62-213.420, 62-213.430 & 62-4.080, F.A.C.; and, in addition, the Department shall revise permits as provided in Rule 62-4.080, F.A.C. & 40 CFR 70.7(f).
- TV18. Permit Renewal.** The permittee shall renew its permit as required by Rules 62-4.090, 62.213.420(1) and 62-213.430(3), F.A.C. Permits being renewed are subject to the same requirements that apply to permit issuance at the time of application for renewal. Permit renewal applications shall contain that information

**APPENDIX TV**  
**TITLE V GENERAL CONDITIONS**

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identified in Rules 62-210.900(1) [Application for Air Permit - Long Form], 62-213.420(3) [Required Information], 62-213.420(6) [CAIR Part Form], F.A.C. Unless a Title V source submits a timely and complete application for permit renewal in accordance with the requirements this rule, the existing permit shall expire and the source's right to operate shall terminate. For purposes of a permit renewal, a timely application is one that is submitted 225 days before the expiration of a permit that expires on or after June 1, 2009. No Title V permit will be issued for a new term except through the renewal process. [Rules 62-213.420 & 62-213.430, F.A.C.]

**TV19. Insignificant Emissions Units or Pollutant-Emitting Activities.** The permittee shall identify and evaluate insignificant emissions units and activities as set forth in Rule 62-213.430(6), F.A.C.

**TV20. Savings Clause.** If any portion of the final permit is invalidated, the remainder of the permit shall remain in effect. [Rule 62-213.440(1)(d)1., F.A.C.]

**TV21. Suspension and Revocation.**

- a. Permits shall be effective until suspended, revoked, surrendered, or expired and shall be subject to the provisions of Chapter 403, F.S., and rules of the Department.
- b. Failure to comply with pollution control laws and rules shall be grounds for suspension or revocation.
- c. A permit issued pursuant to Chapter 62-4, F.A.C., shall not become a vested property right in the permittee. The Department may revoke any permit issued by it if it finds that the permit holder or his agent:
  - (1) Submitted false or inaccurate information in his application or operational reports.
  - (2) Has violated law, Department orders, rules or permit conditions.
  - (3) Has failed to submit operational reports or other information required by Department rules.
  - (4) Has refused lawful inspection under Section 403.091, F.S.
- d. No revocation shall become effective except after notice is served by personal services, certified mail, or newspaper notice pursuant to Section 120.60(7), F.S., upon the person or persons named therein and a hearing held if requested within the time specified in the notice. The notice shall specify the provision of the law, or rule alleged to be violated, or the permit condition or Department order alleged to be violated, and the facts alleged to constitute a violation thereof.

[Rule 62-4.100, F.A.C.]

**TV22. Not federally enforceable. Financial Responsibility.** The Department may require an applicant to submit proof of financial responsibility and may require the applicant to post an appropriate bond to guarantee compliance with the law and Department rules. [Rule 62-4.110, F.A.C.]

**TV23. Emissions Unit Reclassification.**

- a. Any emissions unit whose operation permit has been revoked as provided for in Chapter 62-4, F.A.C., shall be deemed permanently shut down for purposes of Rule 62-212.500, F.A.C. Any emissions unit whose permit to operate has expired without timely renewal or transfer may be deemed permanently shut down, provided, however, that no such emissions unit shall be deemed permanently shut down if, within 20 days after receipt of written notice from the Department, the emissions unit owner or operator demonstrates that the permit expiration resulted from inadvertent failure to comply with the requirements of Rule 62-4.090, F.A.C., and that the owner or operator intends to continue the emissions unit in operation, and either submits an application for an air operation permit or complies with permit transfer requirements, if applicable.
- b. If the owner or operator of an emissions unit which is so permanently shut down, applies to the Department for a permit to reactivate or operate such emissions unit, the emissions unit will be reviewed and permitted as a new emissions unit.

[Rule 62-210.300(6), F.A.C.]

**TV24. Transfer of Permits.** Per Rule 62-4.160(11), F.A.C., this permit is transferable only upon Department approval in accordance with Rule 62-4.120, 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. The permittee transferring the permit shall remain liable for corrective actions that may be required as a result of any

**APPENDIX TV**  
**TITLE V GENERAL CONDITIONS**

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violations occurring prior to the sale or legal transfer of the facility. The permittee shall also comply with the requirements of Rule 62-210.300(7), F.A.C., and use DEP Form No. 62-210.900(7). [Rules 62-4.160(11), 62-4.120, and 62-210.300(7), F.A.C.]

**Rights, Title, Liability, and Agreements**

**TV25. Rights.** 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. [Rule 62-4.160(3), F.A.C.]

**TV26. Title.** This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does 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. [Rule 62-4.160(4), (F.A.C.)]

**TV27. Liability.** 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 F.S. and Department rules, unless specifically authorized by an order from the Department. [Rule 62-4.160(5), F.A.C.]

**TV28. Agreements.**

- a. 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:
  - (1) Have access to and copy any records that must be kept under conditions of the permit;
  - (2) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and,
  - (3) 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.
- b. 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.
- c. 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.

[Rules 62-4.160(7), (9), and (10), F.A.C.]

**Recordkeeping and Emissions Computation**

**TV29. Permit.** The permittee shall keep this permit or a copy thereof at the work site of the permitted activity. [Rule 62-4.160(12), F.A.C.]

**TV30. Recordkeeping.**

- 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

**APPENDIX TV**  
**TITLE V GENERAL CONDITIONS**

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least five (5) 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, and the operating conditions at the time of sampling or measurement;
  - (2) The person responsible for performing the sampling or measurements;
  - (3) The dates analyses were performed;
  - (4) The person and company that performed the analyses;
  - (5) The analytical techniques or methods used;
  - (6) The results of such analyses.

[Rules 62-4.160(14) and 62-213.440(1)(b)2., F.A.C.]

**TV31. Emissions Computation.** Pursuant to Rule 62-210.370, F.A.C., the following required methodologies are to be used by the owner or operator of a facility for computing actual emissions, baseline actual emissions, and net emissions increase, as defined at Rule 62-210.200, F.A.C., and for computing emissions for purposes of the reporting requirements of subsection 62-210.370(3) and paragraph 62-212.300(1)(e), F.A.C., or of any permit condition that requires emissions be computed in accordance with Rule 62-210.370, F.A.C. Rule 62-210.370, F.A.C., is not intended to establish methodologies for determining compliance with the emission limitations of any air permit.

For any of the purposes specified above, the owner or operator of a facility shall compute emissions in accordance with the requirements set forth in this subsection.

- a. *Basic Approach.* The owner or operator shall employ, on a pollutant-specific basis, the most accurate of the approaches set forth below to compute the emissions of a pollutant from an emissions unit; provided, however, that nothing in this rule shall be construed to require installation and operation of any continuous emissions monitoring system (CEMS), continuous parameter monitoring system (CPMS), or predictive emissions monitoring system (PEMS) not otherwise required by rule or permit, nor shall anything in this rule be construed to require performance of any stack testing not otherwise required by rule or permit.
- (1) If the emissions unit is equipped with a CEMS meeting the requirements of paragraph 62-210.370(2)(b), F.A.C., the owner or operator shall use such CEMS to compute the emissions of the pollutant, unless the owner or operator demonstrates to the department that an alternative approach is more accurate because the CEMS represents still-emerging technology.
  - (2) If a CEMS is not available or does not meet the requirements of paragraph 62-210.370(2)(b), F.A.C., but emissions of the pollutant can be computed pursuant to the mass balance methodology of paragraph 62-210.370(2)(c), F.A.C., the owner or operator shall use such methodology, unless the owner or operator demonstrates to the department that an alternative approach is more accurate.
  - (3) If a CEMS is not available or does not meet the requirements of paragraph 62-210.370(2)(b), F.A.C., and emissions cannot be computed pursuant to the mass balance methodology, the owner or operator shall use an emission factor meeting the requirements of paragraph 62-210.370(2)(d), F.A.C., unless the owner or operator demonstrates to the department that an alternative approach is more accurate.
- b. *Continuous Emissions Monitoring System (CEMS).*
- (1) An owner or operator may use a CEMS to compute emissions of a pollutant for purposes of this rule provided:
    - (a) The CEMS complies with the applicable certification and quality assurance requirements of 40 CFR Part 60, Appendices B and F, or, for an acid rain unit, the certification and quality assurance requirements of 40 CFR Part 75, all adopted by reference at Rule 62-204.800, F.A.C.; or,
    - (b) The owner or operator demonstrates that the CEMS otherwise represents the most accurate means of computing emissions for purposes of this rule.
  - (2) Stack gas volumetric flow rates used with the CEMS to compute emissions shall be obtained by the most accurate of the following methods as demonstrated by the owner or operator:
    - (a) A calibrated flowmeter that records data on a continuous basis, if available; or

**APPENDIX TV**  
**TITLE V GENERAL CONDITIONS**

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- (b) The average flow rate of all valid stack tests conducted during a five-year period encompassing the period over which the emissions are being computed, provided all stack tests used shall represent the same operational and physical configuration of the unit.
- (3) The owner or operator may use CEMS data in combination with an appropriate f-factor, heat input data, and any other necessary parameters to compute emissions if such method is demonstrated by the owner or operator to be more accurate than using a stack gas volumetric flow rate as set forth at subparagraph 62-210.370(2)(b)2., F.A.C., above.
- c. *Mass Balance Calculations.*
  - (1) An owner or operator may use mass balance calculations to compute emissions of a pollutant for purposes of this rule provided the owner or operator:
    - (a) Demonstrates a means of validating the content of the pollutant that is contained in or created by all materials or fuels used in or at the emissions unit; and,
    - (b) Assumes that the emissions unit emits all of the pollutant that is contained in or created by any material or fuel used in or at the emissions unit if it cannot otherwise be accounted for in the process or in the capture and destruction of the pollutant by the unit's air pollution control equipment.
  - (2) Where the vendor of a raw material or fuel which is used in or at the emissions unit publishes a range of pollutant content from such material or fuel, the owner or operator shall use the highest value of the range to compute the emissions, unless the owner or operator demonstrates using site-specific data that another content within the range is more accurate.
  - (3) In the case of an emissions unit using coatings or solvents, the owner or operator shall document, through purchase receipts, records and sales receipts, the beginning and ending VOC inventories, the amount of VOC purchased during the computational period, and the amount of VOC disposed of in the liquid phase during such period.
- d. *Emission Factors.*
  - (1) An owner or operator may use an emission factor to compute emissions of a pollutant for purposes of this rule provided the emission factor is based on site-specific data such as stack test data, where available, unless the owner or operator demonstrates to the department that an alternative emission factor is more accurate. An owner or operator using site-specific data to derive an emission factor, or set of factors, shall meet the following requirements.
    - (a) If stack test data are used, the emission factor shall be based on the average emissions per unit of input, output, or gas volume, whichever is appropriate, of all valid stack tests conducted during at least a five-year period encompassing the period over which the emissions are being computed, provided all stack tests used shall represent the same operational and physical configuration of the unit.
    - (b) Multiple emission factors shall be used as necessary to account for variations in emission rate associated with variations in the emissions unit's operating rate or operating conditions during the period over which emissions are computed.
    - (c) The owner or operator shall compute emissions by multiplying the appropriate emission factor by the appropriate input, output or gas volume value for the period over which the emissions are computed. The owner or operator shall not compute emissions by converting an emission factor to pounds per hour and then multiplying by hours of operation, unless the owner or operator demonstrates that such computation is the most accurate method available.
  - (2) If site-specific data are not available to derive an emission factor, the owner or operator may use a published emission factor directly applicable to the process for which emissions are computed. If no directly-applicable emission factor is available, the owner or operator may use a factor based on a similar, but different, process.
- e. *Accounting for Emissions During Periods of Missing Data from CEMS, PEMS, or CPMS.* In computing the emissions of a pollutant, the owner or operator shall account for the emissions during periods of missing data from CEMS, PEMS, or CPMS using other site-specific data to generate a reasonable estimate of such emissions.

**APPENDIX TV**  
**TITLE V GENERAL CONDITIONS**

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- f. *Accounting for Emissions During Periods of Startup and Shutdown.* In computing the emissions of a pollutant, the owner or operator shall account for the emissions during periods of startup and shutdown of the emissions unit.
- g. *Fugitive Emissions.* In computing the emissions of a pollutant from a facility or emissions unit, the owner or operator shall account for the fugitive emissions of the pollutant, to the extent quantifiable, associated with such facility or emissions unit.
- h. *Recordkeeping.* The owner or operator shall retain a copy of all records used to compute emissions pursuant to this rule for a period of five years from the date on which such emissions information is submitted to the department for any regulatory purpose.

[Rule 62-210.370(1) & (2), F.A.C.]

**Responsible Official**

**TV32. Designation and Update.** The permittee shall designate and update a responsible official as required by Rule 62-213.202, F.A.C.

**Prohibitions and Restrictions**

**TV33. Asbestos.** This permit does not authorize any demolition or renovation of the facility or its parts or components which involves asbestos removal. This permit does not constitute a waiver of any of the requirements of Chapter 62-257, F.A.C., and 40 CFR 61, Subpart M, National Emission Standard for Asbestos, adopted and incorporated by reference in Rule 62-204.800, F.A.C. Compliance with Chapter 62-257, F.A.C., and 40 CFR 61, Subpart M, Section 61.145, is required for any asbestos demolition or renovation at the source. [40 CFR 61; Rule 62-204.800, F.A.C.; and, Chapter 62-257, F.A.C.]

**TV34. Refrigerant Requirements.** Any facility having refrigeration equipment, including air conditioning equipment, which uses a Class I or II substance (listed at 40 CFR 82, Subpart A, Appendices A and B), and any facility which maintains, services, or repairs motor vehicles using a Class I or Class II substance as refrigerant must comply with all requirements of 40 CFR 82, Subparts B and F, and with Chapter 62-281, F.A.C.

**TV35. Open Burning Prohibited.** Unless otherwise authorized by Rule 62-296.320(3) or Chapter 62-256, F.A.C., open burning is prohibited.

**STATEMENT OF BASIS**

Title V Air Operation Permit Renewal  
Permit No. 0870004-008-AV

**APPLICANT**

The applicant for this project is Florida Keys Electric Cooperative Association, Inc. The applicant’s responsible official and mailing address is: Gregory S. Newberry, Chief Executive Officer and GM, Florida Keys Electric Cooperative Association, Inc., Charles A. Russell Generation Facility, P.O. Box 377, Tavernier, FL 33070.

**FACILITY DESCRIPTION**

The applicant operates the Charles A. Russell Generation Facility, which is located at 3421 Overseas Highway (U.S. 1), Marathon, Florida.

This facility consists of the following diesel engine driven generators:

<b>Florida Keys Electric Cooperative Assoc., Inc.</b>								
Title V Permit Renewal - Supplemental Data Request - 0870004-008-AV								
Unit	Model #	Serial Number	HP	Name Of Mfg.	Date of Mfg.	Total Cyl. Displacement (Ltrs)	Rated KW out put	Mfg. Cert of Emission Pollutants (Yes/No)
001	16-645-D3	63031	2,855	GM-EMD	1960	247.04	2,000	no
002	16-645-D4	63032	2,855	GM-EMD	1960	247.04	2,000	no
003	SW 14V16	VO3463	4,190	Worthington	1955	726.24	3,000	no
004	SW 14V16	VO3509	4,190	Worthington	1956	726.24	3,000	no
006	MP4520-645E4	73B1-1112	3,550	GM-EMD	1973	308.8	2,750	no
007	MP4520-645E4	43C1-1013	3,550	GM-EMD	1973	308.8	2,750	no
008	20-710-G4B	97D1-1040	5,000	GM-EMD	1997	308.8	3,580	no
009	20-710-G4B	00-H1-1059	5,000	GM-EMD	2000	308.8	3,580	no

Facility Emergency Generators

010	30 KW – Emergency Generator (Facility only) – 40 hp.	Propane Fired
011	20 KW – Emergency Generator (Facility only) – 30 hp.	Propane Fired
012	55 KW – Emergency Generator (Facility only) – 75 hp.	Diesel Fired
013	100 KW – Emergency Generator (Facility only) – 130 hp.	Diesel Fired

Note: Unit No. 001 and 002 are 16 cylinder diesel engines. (RICE) single Cyl. Displacement 15.44 Ltrs.  
Unit No. 003 and 004 are 16 cylinder diesel engines. (RICE) single Cyl. Displacement 45.39 Ltrs.  
Unit No. 006, 007, 008 and 009 are 20 cylinder diesel engines. (RICE) single Cyl. Displacement 15.44 Ltrs.  
Unit No. 005 has been shut-down and will NOT be used in the future.

EUs 001, 002, 006, 007, 008, and 009 shall burn only Ultra-Low-Sulfur Diesel fuel (ULSD) which has a maximum sulfur content of 15 parts per million (ppm) (0.0015 percent by weight). ULSD must also have a minimum cetane index of 40 or a maximum aromatic content of 35 volume percent.

[Rule 62-213.410, F.A.C., 40 CFR 63.6604(a), 40 CFR 80.510(b)].

## STATEMENT OF BASIS

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EUs 003 and 004 are authorized to burn No. 2 fuel oil with a maximum sulfur content of 0.50 percent, by weight. [Rule 62-213.410, F.A.C., Permit Nos. 0870004-002-AC/PSD-FL-237]. ULSD is acceptable.

Emissions units 001 through 004 and 006 through 009 are non-emergency engines that operate during emergencies and during peak power demand periods to grid.

Emission unit 005 has been permanently shut-down. Therefore, permitted capacity associated with EU005 is now "deleted" and specific condition No. A.1. in permit No. 0870004-006-AV is obsolete. Specific condition No. A.1. in permit no. 0870004-006-AV was a combined permitted capacity (187 MMBtu/hr) for EU001 through EU007. The portion of the combined permitted capacity assigned to EU005 in permit No. PSD-FL-237 was based on a letter from the applicant dated July 7, 1997. The July 7, 1997 letter indicated EU005's permitted capacity to be 30.59 MMBtu/hr. Therefore, the total combined permitted capacity in specific condition No. A.1. in permit No. 0870004-006-AV has been reduced by 30.59 MMBtu/hr and is now 156.4 MMBtu/hr in permit no. 0870004-007-AV.

Emissions units EU008 and EU009 are subject to Rule 62-212, Prevention Significant Deterioration (PSD) and Best Available Control Technology (BACT). EU008 utilizes injection timing retardation and cooling of combustion air to control NOX emissions in accordance with BACT dated September 11, 1997. EU009 utilizes injection timing retardation and cooling of combustion air to control NOX emissions in accordance with BACT dated November 16, 2000.

Emission Units 010, 011, 012 and 013 are Emergency Generators. The facility includes four (4) emergency generators, which are classified as Emergency Stationary RICE. These are facility emergency generators only with no power to grid. These are subject to 40 CFR Part 63, Subpart ZZZZ.

Propane is fired in units 010 and 011. (propane gas that meets specifications established in ASTM D-1835. . Standard). Diesel is fired in units 012 and 013.

Also included in this permit are miscellaneous unregulated/insignificant emissions units and/or activities.

### PROJECT DESCRIPTION

The purpose of this permitting project is to renew the existing Title V permit No. 0870004-007-AV for the above referenced facility. (NOTE: The previous permit No. 0870004-007-AV did NOT have requirements of NESHAP 40 CFR 63, Subpart ZZZZ because the rule had not yet been finalized as of the date of issue. The rule is now effective and therefore this renewal permit revises the requirements for the facility to include the applicable rules of 40 CFR 63, Subpart ZZZZ.

### PROCESSING SCHEDULE AND RELATED DOCUMENTS

Application for a Title V Air Operation Permit Renewal received: (EPSAP) **December 9, 2014**

Additional Information Request dated: 12/24/2014

Additional Information Response received: 01/12/2015

Additional Information Request dated: 01/12/2015

Additional information Response dated: 01/13/ 2015

### PRIMARY REGULATORY REQUIREMENTS

National Emissions Standards for Hazardous Air Pollutants for Source Categories- 40 CFR-63 Subpart ZZZZ

Title III: The facility is not identified as a major source of hazardous air pollutants (HAP).

Title IV: The facility does not operate units subject to the acid rain provisions of the Clean Air Act.

## STATEMENT OF BASIS

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- Title V: The facility is a Title V major source of air pollution in accordance with Chapter 62-213, Florida Administrative Code (F.A.C.).
- PSD: The facility is a Prevention of Significant Deterioration (PSD)-major source of air pollution in accordance with Rule 62-212.400, F.A.C.
- NSPS: The facility does not operate units subject to the New Source Performance Standards (NSPS) of 40 Code of Federal Regulations (CFR) 60. (Stationary Compression Ignition Internal Combustion Engines) (Diesel).
- NESHAP: Although the facility is not a major HAPs it is an AREA source of HAPs and therefore is subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) of 40 CFR 63, Subpart ZZZZ.
- CAIR: The facility is not subject to the Clean Air Interstate Rule (CAIR) set forth in Rule 62-296.470, F.A.C.
- Siting: These units were not originally certified pursuant to the power plant siting provisions of Chapter 62-17, F.A.C.

### PROJECT REVIEW

- CAM: Compliance Assurance Monitoring (CAM) does not apply to any of the units at the facility. No emissions units at the facility have a control device.

### PROJECT REVIEW

The previous Title V Air Operating permit (0870004-007-AV) was issued before the National Emissions Standards for Hazardous Air Pollutants for Source Categories- 40 CFR-63 Subpart ZZZZ became in effect. This new "RENEWAL" has been re-created and formatted to include this more restricted rule. The four (4) emergency generators have also been identified and included in this renewal permit.

### CONCLUSION

This project renews Title V air operation permit No. 0870004-007-AV, which was issued on July 14, 2010. This Title V air operation permit renewal is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Chapters 62-4, 62-210, 62-213, F.A.C.