



**FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION**  
SOUTHEAST DISTRICT OFFICE  
3301 GUN CLUB ROAD; MSC 7210-1  
WEST PALM BEACH, FL 33406  
561-681-6600

RICK SCOTT  
GOVERNOR

CARLOS LOPEZ-CANTERA  
LT. GOVERNOR

HERSCHEL T. VINYARD JR.  
SECRETARY

[mgallagh@sfwmd.gov](mailto:mgallagh@sfwmd.gov)

*Sent by Electronic mail – Received Receipt Requested*

Mr. Michael Gallagher, Bureau Chief, Field Operations South  
South Florida Water Management District  
3301 Gun Club Road  
West Palm Beach, Florida 33406

Re: Permit Nos. 0110351-005-AV and 0110351-006-AC  
South Florida Water Management District, Pump Stations S-8 & G-404  
Air Construction Permit Modification and Revised/Renewed Title V Air Operation Permit

Dear Mr. Gallagher:

Enclosed is the permit package for an air construction permit modification and an revised/renewed Title V air operation permit for the South Florida Water Management District, Pump Stations S-8 & G-404. This existing facility is located at the junction of canals L-5, L-4, and L-23, 15 miles west of Hwy. 27 along Palm Beach/Broward County line. The permit package includes the following documents:

- The draft air construction permit and supporting technical evaluation and preliminary determination document.
- The statement of basis, which summarizes the facility, the equipment and the primary rule applicability for the initial Title V air operation permit.
- The draft/proposed revised/renewed 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 Permits provides important information regarding: the Permitting Authority's intent to issue air permits for the proposed project; the requirements for publishing a Public Notice of the Permitting Authority's intent to issue air permits; the procedures for submitting comments on the draft/proposed permits; the process for filing a petition for an administrative hearing; and the availability of mediation.
- The Public Notice of Intent to Issue Air Permits 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 Permits 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. Because this permit is being processed as a combined draft/proposed permit in order to reduce processing time, a duplicate copy of the proof of publication must also be transmitted by electronic mail within seven days of the date of publication to Ms. Natasha Hazziez at EPA Region 4 at the following address: [hazziez.natasha@epa.gov](mailto:hazziez.natasha@epa.gov).

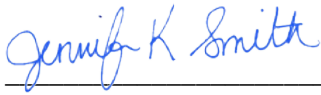
If you have any questions, please contact the Project Engineer, Scott D. Trainor, P.E. , by telephone at (561) 681-6600 or by email at [Scott.Trainor@dep.state.fl.us](mailto:Scott.Trainor@dep.state.fl.us).

On July 8, 2014, you submitted an application requesting a permit to construct/install a new 5 kW emergency generator at the G-404 pump station. This existing facility is located at the junction of canals L-5, L-4, and L-23, 15 miles west of Hwy. 27 along Palm Beach/Broward County line. Enclosed are the following documents: the Written Notice of Intent to Issue Air Permit; the Public Notice of Intent to Issue Air Permit; the Technical Evaluation and Preliminary Determination; and the Draft Permit with Appendices. The Public Notice of Intent to

[www.dep.state.fl.us](http://www.dep.state.fl.us)

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. If you have any questions, please contact the project engineer, Scott Trainor, at 561-681-6600 or by email to [Scott.Trainor@dep.state.fl.us](mailto:Scott.Trainor@dep.state.fl.us).

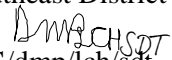
Executed in West Palm Beach, Florida



Jennifer K. Smith  
Southeast District Assistant Director

10/23/14

Date

  
JKS/dmp/lch/sdt

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## WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

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*In the Matter of an*

Application for an Air Construction Permit and a Revised/Renewed Title V Air Operation Permit by:

South Florida Water Management District  
3301 Gun Club Road, Department 5500  
West Palm Beach, Florida 33406

Project Nos. 0110351-005-AV and 0110351-006-AC  
Facility ID No. 0110351

*Authorized Representative:*  
Mr. Michael Gallagher

Pump Stations S-8 & G-404  
Air Construction Permit for the G-404 Emergency  
Generator

Revised/Renewed Title V Air Operation Permit

Broward/Palm Beach County, Florida

**Facility Location:** The South Florida Water Management District operates the existing Pump Stations S-8 & G-404, which is located at the junction of canals L-5, L-4, and L-23, 15 miles west of Hwy. 27 along Palm Beach/Broward County line in Florida.

**Project:** The purpose of this project is to issue an air construction permit and a revised/renewed Title V air operation permit for the facility. Details of the project are provided in the application and the enclosed Statement of Basis.

This air construction permit (011351-006-AC) is for the construction/installation of a new 5 kW emergency generator at the G-404 pump station. Details of the project are provided in the application and the enclosed Technical Evaluation and Preliminary Determination.

The revised/renewed Title V Air Operation Permit renews the operation permit and also incorporates the conditions of construction permits 011351-004-AC and 0110351-006-AC.

**Permitting Authority:** Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210 and 62-212 of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and an air permit is required to perform the proposed work.

Applications for Title V air operation permits with Acid Rain units are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210, 62-213 and 62-214 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 Southeast District office is the Permitting Authority responsible for making a permit determination for these projects. The Permitting Authority's physical address is: 3301 Gun Club Road; MSC 7210-1; West Palm Beach, FL 33406. The Permitting Authority's mailing address is: 3301 Gun Club Road; MSC 7210-1; West Palm Beach, FL 33406. The Permitting Authority's telephone number is (561) 681-6600.

**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 air construction permit, the technical evaluation and preliminary determination, the draft/proposed Title V air operation 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/proposed permits 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

## WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

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the address or phone number listed above

**Notice of Intent to Issue Permits:** The Permitting Authority gives notice of its intent to issue an air construction permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of the proposed 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, 62-296 and 62-297, F.A.C. The Permitting Authority will issue a final permit in accordance with the conditions of the draft air construction permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

The Permitting Authority gives notice of its intent to issue a revised/renewed Title V air operation permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of the proposed 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/proposed 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.

**Comments:** The Permitting Authority will accept written comments concerning the draft air construction permit for a period of 14 days from the date of publication of the Public Notice. Written comments must be received by the Permitting Authority by close of business (5:00 p.m.) on or before the end of this 14-day period. If written comments received result in a significant change to the draft air construction permit, the Permitting Authority shall revise the draft air construction permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

The Permitting Authority will accept written comments concerning the draft/proposed 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/proposed permit, the Permitting Authority shall issue a revised draft/proposed 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.,

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## WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

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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.

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

**EPA Review:** EPA has agreed to treat the draft/proposed Title V air operation permit as a proposed Title V air operation permit and to perform its 45-day review provided by the law and regulations concurrently with the public comment period, provided that the applicant also transmits an electronic copy of the required proof of publication directly to EPA at the following email address: [ouendo.ana@epa.gov](mailto:ouendo.ana@epa.gov). Although EPA's 45-day review period will be performed concurrently with the public comment period, the deadline for submitting a citizen petition to object to the EPA Administrator will be determined as if EPA's 45-day review period is performed after the public comment period has ended. The final Title V air operation permit will be issued after the conclusion of the 45-day EPA review period so long as no adverse comments are received that result in a different decision or significant change of terms or conditions. The status regarding EPA's 45-day review of this project and the deadline for submitting a citizen petition can be found at the following website address: <http://www.epa.gov/region4/air/permits/florida.htm>.

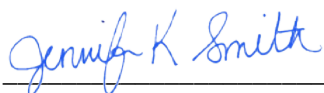
**Objections:** Finally, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within 60 days of the expiration of the Administrator's 45-day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to the issuance of any Title V air operation permit. Any

## WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

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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 West Palm Beach, Florida.



Jennifer K. Smith  
Southeast District Assistant Director

10/23/14

Date

*DMPCH SDT*  
JKS/dmp/lch/sdt

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## WRITTEN NOTICE OF INTENT TO ISSUE AIR PERMIT

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### CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this written notice of Intent to Issue Air Permit package (including the Public Notice of Intent to Issue Air Permit, the Technical Evaluation and Preliminary Determination and the draft permit with Appendices) was sent by electronic mail, or a link to these documents made available electronically on a publicly accessible server, with received receipt requested before the close of business on the date indicated below to the following persons.

Mr. Michael Gallagher, SFWMD: [mgallagh@sfwmd.gov](mailto:mgallagh@sfwmd.gov)

Mr. Jeffrey Smith, SFWMD: [jesmith@sfwmd.gov](mailto:jesmith@sfwmd.gov)

Mr. Barry Westmark, ECT: [bwestmark@ectinc.com](mailto:bwestmark@ectinc.com)

Mr. Laxmana Tallam: [Laxmana.Tallam@flhealth.gov](mailto:Laxmana.Tallam@flhealth.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)

Ms. Ana Oquendo, EPA Region 4: [Oquendo.Ana@epamail.epa.gov](mailto:Oquendo.Ana@epamail.epa.gov)

Ms. Kathleen Lusky, EPA Region 4: [lusky.kathleen@epa.gov](mailto:lusky.kathleen@epa.gov)

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

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.

*(Electronic Signature)*





**FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION**  
SOUTHEAST DISTRICT OFFICE  
3301 GUN CLUB ROAD; MSC 7210-1  
WEST PALM BEACH, FL 33406  
561-681-6600

RICK SCOTT  
GOVERNOR

CARLOS LOPEZ-CANTERA  
LT. GOVERNOR

HERSCHEL T. VINYARD JR.  
SECRETARY

**PERMITTEE**

South Florida Water Management District  
3301 Gun Club Road, Dept. 5500  
West Palm Beach, Florida 33406  
Authorized Representative:  
Mr. Michael Gallagher,  
Bureau Chief, Field Operations South

Air Permit No. 0110351-006-AC  
Permit Expires: DRAFT  
Minor Air Construction Permit  
  
Pump Stations S-8 & G-404  
Construction Permit for G-404 Emergency Generator

**PROJECT**

This is the final air construction permit, which authorizes the installation of a 5 kW Emergency Generator. The proposed work will be conducted at the existing G-404 Pump Station co-located with the S-8 Pump Station, which is a pump station categorized under Standard Industrial Classification No. 9511. This existing facility is located at the junction of canals L-5, L-4, and L-23, 15 miles west of Hwy. 27 along Palm Beach/Broward County line. The UTM coordinates are: Zone 17, 522.3 km East and 2912.2 km North.

This final permit is organized into the following sections: Section 1 (General Information); Section 2 (Administrative Requirements); Section 3 (Emissions Unit Specific Conditions); and Section 4 (Appendices). Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit. As noted in the Final Determination provided with this final permit, only minor changes and clarifications were made to the draft permit.

**STATEMENT OF BASIS**

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

Upon issuance of this final permit, any party to this order has the right to seek judicial review of it under Section 120.68 of the Florida Statutes by filing a notice of appeal under Rule 9.110 of the Florida Rules of Appellate Procedure with the clerk of the Department of Environmental Protection in the Office of General Counsel (Mail Station #35, 3900 Commonwealth Boulevard, Tallahassee, Florida, 32399-3000) and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The notice must be filed within 30 days after this order is filed with the clerk of the Department.

Executed in West Palm Beach, Florida

**(DRAFT)**

\_\_\_\_\_  
Jennifer K. Smith  
Southeast District Assistant Director

\_\_\_\_\_  
Date

*DMP/LCH/sdt*  
JKS/dmp/lch/sdt



**CERTIFICATE OF SERVICE**

The undersigned duly designated deputy agency clerk hereby certifies that this Air Permit package was sent by electronic mail, or a link to these documents made available electronically on a publicly accessible server, with received receipt requested before the close of business on the date indicated below to the following persons.

Mr. Michael Gallagher, SFWMD: [mgallagh@sfwmd.gov](mailto:mgallagh@sfwmd.gov)

Mr. Jeffrey Smith, SFWMD: [jesmith@sfwmd.gov](mailto:jesmith@sfwmd.gov)

Mr. Barry Westmark, ECT: [bwestmark@ectinc.com](mailto:bwestmark@ectinc.com)

Mr. Laxmana Tallam: [Laxmana.Tallam@flhealth.gov](mailto:Laxmana.Tallam@flhealth.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)

Ms. Kathleen Lusky, EPA Region 4: [lusky.kathleen@epa.gov](mailto:lusky.kathleen@epa.gov)

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

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.

*(Electronic Signature)*

(DRAFT)

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**SECTION 1. GENERAL INFORMATION (DRAFT)**

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**FACILITY DESCRIPTION**

The existing facility consists of the following emissions units.

Facility ID No. 0110351	
ID No.	Emission Unit Description
001	Four (4) internal combustion diesel-fired pump engines rated at 800 hp each @ S-8 fitted with Diesel Oxidation Catalyst pollution controls.
002	Three (3) internal combustion diesel fired pumps engine rated at 440 hp each. @ G-404 fitted with Diesel Oxidation Catalyst pollution controls.
003	Two (2) internal combustion diesel fired 380 hp engines each driving a 250 kw generator at S-8.
004	One (1) 45 hp diesel engine powering one standby air compressor at S-8.

**PROPOSED PROJECT**

The proposed project is the installation of a diesel powered 5 kW emergency generator at the G-404 Pump Station.

This project will add the following emissions unit.

Facility ID No. 0110351	
ID No.	Emission Unit Description
005	One (1) 11.1 hp (max) diesel engine driving a 5 kW emergency generator at G-404.

**FACILITY REGULATORY CLASSIFICATION**

- The facility is a minor source of hazardous air pollutants (HAP).
- The facility does not operate units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is a Title V major source of air pollution in accordance with Chapter 62-213, F.A.C.
- The facility is a synthetic minor stationary source in accordance with Rule 62-212.400(PSD), F.A.C.

## SECTION 2. ADMINISTRATIVE REQUIREMENTS (DRAFT)

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1. Permitting Authority: The permitting authority for this project is the Southeast District Air Program in the Division of Air Resource Management of the Department of Environmental Protection (Department). The Southeast District Air Program mailing address is 3301 Gun Club Road; MSC 7210-1, West Palm Beach, Florida 33406; sed.air@dep.state.fl.us.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Southeast District Air Program at: 3301 Gun Club Road; MSC 7210-1, West Palm Beach, Florida 33406; sed.air@dep.state.fl.us. .
3. Appendices: The following Appendices are attached as a part of this permit and the permittee must comply with the requirements of the appendices:

Appendix A	Identification of General Provisions - NSPS 40 CFR 60, Subpart A;
Appendix A1	General Provisions - NESHAP 40 CFR 63, Subpart A;
Appendix CC	Common Conditions;
Appendix CF	Citation Formats and Glossary of Common Terms;
Appendix CTR	Common Testing Requirements;
Appendix GC	General Conditions;
Appendix IIII	NSPS, Subpart IIII – Standards of Performance for Stationary Compression Ignition Internal Combustion Engines; and,
Appendix ZZZZ	NESHAP, Subpart ZZZZ -- National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines.
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
6. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]
7. Construction and Expiration. The expiration date shown on the first page of this permit provides time to complete the physical construction activities authorized by this permit, complete any necessary compliance testing, and obtain an operation permit. Notwithstanding this expiration date, all specific emissions limitations and operating requirements established by this permit shall remain in effect until the facility or emissions unit is permanently shut down. For good cause, the permittee may request that that a permit be extended. Pursuant to Rule 62-4.080(3), F.A.C., such a request shall be submitted to the Permitting Authority in writing before the permit expires. [Rules 62-4.070(4), 62-4.080 & 62-210.300(1), F.A.C.]
8. Source Obligation:
  - (a) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours

## SECTION 2. ADMINISTRATIVE REQUIREMENTS (DRAFT)

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of operation, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

- (b) At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification.

[Rule 62-212.400(12), F.A.C.]

DRAFT

### SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

#### A. EU005 G-404 5 kw Emergency Generator

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
005	One (1) diesel engine driving a 5 kW emergency generator at G-404 Cummins Onan Model QD 5000 or equal.

The following table provides important details for this emissions unit:

E.U. ID No.	Engine Brake HP	Date of Construction	Model Year	Primary Fuel	Type of Engine	Displacement liters/cylinder (l/c)	Model No.
005	11.1	2014-2015	2014-2015	Diesel	4 cycle	0.240	QD 5000

*{Permitting Note: This emissions unit, compression ignition (CI) engine, is regulated under 40 CFR 63, Subpart ZZZZ, NESHAP for Stationary RICE adopted in Rule 62.204.800(11)(b), F.A.C. and 40 CFR 60, Subpart IIII, NSPS. This RICE is not used for fire pumps. This permit section addresses "new" stationary CI RICE less than 37 kW (50 hp) with a displacement less than 10 liters per cylinder, that is located at an area source of HAP and that have been modified, reconstructed or commenced construction on or after 6/12/2006 and have a post-2007 (2014) model year. As a new RICE located at an area source, in order to meet the requirements of 40 CFR 63, Subpart ZZZZ, the emissions unit shall meet the requirements of 40 CFR Part 60, Subpart IIII.}*

#### EQUIPMENT

1. **G-404 Emergency Generator:** The permittee is authorized to install One (1) diesel engine driving a 5 kW emergency generator at G-404. The generator will be a Cummins Onan Model QD 5000 or equal which has a maximum rated brake hp of 11.1 and will be certified by the manufacturer to meet U.S. EPA Tier IV emissions requirements. [Application No. 0110351-006-AC]
2. **Certified Engine:** To meet the emission standards of 40 CFR 60, Subpart IIII, the emission unit must be certified to the emission standards in 40 CFR 60.4205(b) as applicable, for the same model year and engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications. [40 CFR 60.4211(c)]
3. The Engine will be installed with a non-resettable hour meter. [Rule 62-4.070(4), F.A.C.]

#### PERFORMANCE RESTRICTIONS

4. **Permitted Capacity:** The generator is permitted to have a 5 kw design capacity powered by a 11.1 hp diesel engine. [Rule 62-210.200(PTE), F.A.C.]
5. **Authorized Fuel:** The Emission Unit is authorized to burn only Ultra Low Sulfur Distillate (Diesel) Fuel.
  - a. **Sulfur Content.** The sulfur content shall not exceed 0.0015% by weight for Non-Road fuel.
  - 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.  
[40 CFR 60.4207(b), 80.510(b) and Application No. 0110351-006-AC]
6. **Hours of Operation:** The hours of emergency operation are not limited (8760 hours per year). However, this emission unit is included with EU002 in the 250,000 gallons/year fuel cap for Pump Station G-404. The

### SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

#### A. EU005 G-404 5 kw Emergency Generator

emergency generator may operate up to 100 hours per year for maintenance and testing purposes, which includes up to 50 hours per year in non-emergency situations. [Application No. 0110351-006-AC and Rules 62-4.070(3), 62-210.200(PTE), F.A.C., and 40 CFR 60.4211(f)]

7. **Other Situations:** Each RICE cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [40 CFR 60.4219]

#### EMISSIONS STANDARDS

8. **Emissions Standards & Limits:** The stationary diesel engine shall comply with the following emission standards & limits and demonstrate compliance in accordance with the procedures given in NSPS 40 CFR 60, Subpart IIII. Manufacturer certification can be provided to the Department in lieu of actual stack testing.

Emergency Generator/Engine (< 10 liters/cylinder)	CO (g/kW-hr) <sup>1</sup>	CO (g/hp-hr) <sup>1</sup>	PM (g/kW-hr)	PM (g/hp-hr)	SO <sub>2</sub> <sup>3</sup> (% S)	NMHC <sup>4</sup> + NOx (g/kW-hr)	NMHC <sup>4</sup> + NOx (g/hp-hr)
Subpart IIII Table 2 (2008 and later)	6.6	4.9	0.40	0.30	0.0015	7.5	5.6
<sup>1</sup> g/kW-hr means grams per kilowatt-hour. <sup>2</sup> Equivalent lb/hr. <sup>3</sup> SO <sub>2</sub> emission standard will be met by using ULSD fuel oil in the emergency generator with fuel sulfur (S) content of 0.0015% by weight. <sup>4</sup> NMHC means non-methane hydrocarbons.							

[40 CFR 60.4205(b) & Table 2 to Subpart IIII of Part 60]

9. **Operation and Maintenance.** The stationary CI internal combustion engine and control device (if applicable) must be maintained and operated according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, owners and operators may only change those settings that are permitted by the manufacturer. The owner or operator must meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply. [40 CFR 60.4211(a)]
10. If the stationary CI internal combustion engine and control device (if applicable) is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or if changes are made to the emission-related settings in a way that is not permitted by the manufacturer, compliance shall be demonstrated by keeping a maintenance plan and records of conducted maintenance and the engine must, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions. In addition, if the engine and control device is not installed and configured according to the manufacturer's emission-related written instructions, or changes are made to the emission-related settings in a way that is not permitted by the manufacturer, an initial performance test to demonstrate compliance with the applicable emission standards shall be conducted within 1 year of such action. [40 CFR 60.4211(g)]

#### TESTING REQUIREMENTS

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

### SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS (DRAFT)

#### A. EU005 G-404 5 kw Emergency Generator

Method	Description of Method and Comments
1-4	Traverse Points, Velocity and Flow Rate, Gas Analysis, and Moisture Content
5	Method for Determining Particulate Matter Emissions
6C	Method for Determining SO <sub>2</sub> Emissions (Instrumental)
7E	Determination of Nitrogen Oxide Emissions from Stationary Sources
9	Visual Determination of the Opacity of Emissions from Stationary Sources
10	Determination of Carbon Monoxide Emissions from Stationary Sources {Note: The method shall be based on a continuous sampling train.}
19	Determination of Sulfur Dioxide Removal Efficiency and Particulate Matter, Sulfur Dioxide, and Nitrogen Oxides Emission Rates (Optional F-factor method may be used to determine flow rate and gas analysis to calculate mass emissions in lieu of Methods 1-4.)
25A	Method for Determining Gaseous Organic Concentrations (Flame Ionization)

The above methods are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department. [Rules 62-204.800 and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

#### MONITORING REQUIREMENTS

13. The permittee shall monitor and maintain records of:

- Emergency and non-emergency operating time.
- Fuel Usage.
- Maintenance.

[Rule 62-4.070(3), F.A.C.]

#### RECORDS AND REPORTS

14. Notification, Recordkeeping and Reporting Requirements: The permittee shall adhere to the compliance testing and certification requirements listed in 40 CFR 60.4211 and maintain records demonstrating fuel usage. [40 CFR 60.4211.]

15. Test Reports: The permittee shall prepare and submit reports for all required tests, if any, in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(8), F.A.C.]

16. Operational Data: If the stationary CI internal combustion engine is equipped with a diesel particulate filter, the owner or operator must keep records of any corrective action taken after the backpressure monitor has notified the owner or operator that the high backpressure limit of the engine is approached. [40 CFR 60.4214(c)].



## SECTION 4. APPENDICES

### CONTENTS

The following Appendices are part of this permit and the permittee must comply with the requirements of each appendix.

Appendix A	General Provisions - NSPS 40 CFR 60, Subpart A;
Appendix A1	General Provisions - NESHAP 40 CFR 63, Subpart A;
Appendix CC	Common Conditions;
Appendix CF	Citation Formats and Glossary of Common Terms;
Appendix CTR	Common Testing Requirements;
Appendix GC	General Conditions;
Appendix IIII	NSPS, 40 CFR 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines; and,
Appendix ZZZZ	NESHAP, 40 CFR 63, Subpart ZZZZ - Stationary Reciprocating Internal Combustion Engines.

**SECTION 4. APPENDIX A**  
**NSPS SUBPART A – GENERAL PROVISIONS**

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The owner or operator shall comply with all applicable provisions of 40 CFR 60 Subpart A, which is available at the following link:

[Link to NSPS Subpart A](#)

**SECTION 4. APPENDIX A1**  
**NESHAP SUBPART A – GENERAL PROVISIONS**

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The owner or operator shall comply with all applicable provisions of 40 CFR 63 Subpart A, which is available at the following link:

[Link to NESHAP Subpart A](#)

## SECTION 4. APPENDIX CC

### COMMON CONDITIONS

Unless otherwise specified in the permit, the following conditions apply to all emissions units and activities at the permitted facility.

#### EMISSIONS AND CONTROLS

1. Plant Operation - Problems: If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by fire, wind or other cause, the permittee shall notify each Compliance Authority as soon as possible, but at least within one working day, excluding weekends and holidays. The notification shall include: pertinent information as to the cause of the problem; steps being taken to correct the problem and prevent future 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 the conditions of this permit or the regulations. [Rule 62-4.130, F.A.C.]
2. Circumvention: The permittee shall not circumvent the air pollution control equipment or allow the emission of air pollutants without this equipment operating properly. [Rule 62-210.650, F.A.C.]
3. Excess Emissions Allowed: Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed 2 hours in any 24-hour period unless specifically authorized by the Department for longer duration. Pursuant to Rule 62-210.700(5), F.A.C., the permit subsection may specify more or less stringent requirements for periods of excess emissions. Rule 62-210-700(Excess Emissions), F.A.C., cannot vary or supersede any federal NSPS or NESHAP provision. [Rule 62-210.700(1), F.A.C.]
4. Excess Emissions Prohibited: Excess emissions caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure that may reasonably be prevented during startup, shutdown or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]
5. Excess Emissions - Notification: In case of excess emissions resulting from malfunctions, the permittee shall notify the Compliance Authority in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department. [Rule 62-210.700(6), F.A.C.]
6. VOC or OS Emissions: No person shall store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds (VOC) or organic solvents (OS) without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. [Rule 62-296.320(1), F.A.C.]
7. 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. [Rules 62-296.320(2) and 62-210.200(Definitions), F.A.C.]
8. 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. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b)1, F.A.C.]
9. Unconfined Particulate Emissions: 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. During the construction period, unconfined particulate matter emissions shall be minimized by dust suppressing techniques such as covering and/or application of water or chemicals to the affected areas, as necessary. [Rule 62-296.320(4)(c), F.A.C.]

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## SECTION 4. APPENDIX CC

### COMMON CONDITIONS

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#### RECORDS AND REPORTS

10. Records Retention: All measurements, records, and other data required by this permit shall be documented in a permanent, legible format and retained for at least 5 years following the date on which such measurements, records, or data are recorded. Records shall be made available to the Department upon request. [Rule 62-213.440(1)(b)2, F.A.C.]
11. Emissions Computation and Reporting:
  - a. *Applicability*. This rule sets forth required methodologies 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 this rule. This rule is not intended to establish methodologies for determining compliance with the emission limitations of any air permit.
  - b. *Computation of Emissions*. For any of the purposes set forth in subsection 62-210.370(1), F.A.C., the owner or operator of a facility shall compute emissions in accordance with the requirements set forth in this subsection.
    - (1) 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.
      - (a) 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.
      - (b) 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.
      - (c) 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.
    - (2) Continuous Emissions Monitoring System (CEMS).
      - (a) An owner or operator may use a CEMS to compute emissions of a pollutant for purposes of this rule provided:
        - 1) 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
        - 2) The owner or operator demonstrates that the CEMS otherwise represents the most accurate means of computing emissions for purposes of this rule.
      - (b) 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:
        - 1) A calibrated flowmeter that records data on a continuous basis, if available; or

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## SECTION 4. APPENDIX CC

### COMMON CONDITIONS

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- 2) 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.
  - (c) 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.
- (3) Mass Balance Calculations.
- (a) 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:
    - 1) 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
    - 2) 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.
  - (b) 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.
  - (c) 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.
- (4) Emission Factors.
- a. 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.
    - 1) 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.
    - 2) 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.
    - 3) 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.
  - b. 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

## SECTION 4. APPENDIX CC

### COMMON CONDITIONS

based on a similar, but different, process.

- (5) 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.
- (6) 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.
- (7) 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.
- (8) 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.

*c. Annual Operating Report for Air Pollutant Emitting Facility*

- (1) The Annual Operating Report for Air Pollutant Emitting Facility (DEP Form No. 62-210.900(5)) shall be completed each year for the following facilities:
  - (a) All Title V sources.
  - (b) All synthetic non-Title V sources.
  - (c) All facilities with the potential to emit ten (10) tons per year or more of volatile organic compounds or twenty-five (25) tons per year or more of nitrogen oxides and located in an ozone nonattainment area or ozone air quality maintenance area.
  - (d) All facilities for which an annual operating report is required by rule or permit.
- (2) Notwithstanding paragraph 62-210.370(3)(a), F.A.C., no annual operating report shall be required for any facility operating under an air general permit.
- (3) The annual operating report shall be submitted to the appropriate Department of Environmental Protection (DEP) division, district or DEP-approved local air pollution control program office by April 1 of the following year.
- (4) Beginning with 2007 annual emissions, emissions shall be computed in accordance with the provisions of subsection 62-210.370(2), F.A.C., for purposes of the annual operating report.

[RULE 62-210.370, F.A.C.]



## SECTION 4. APPENDIX CF

### CITATION FORMATS AND GLOSSARY OF COMMON TERMS

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#### CITATION FORMATS

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

##### Old Permit Numbers

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

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

##### New Permit Numbers

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

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

##### PSD Permit Numbers

Example: Permit No. PSD-FL-317

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

##### Florida Administrative Code (F.A.C.)

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

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

##### Code of Federal Regulations (CFR)

Example: [40 CFR 60.7]

Means: Title 40, Part 60, Section 7

## SECTION 4. APPENDIX CF

### CITATION FORMATS AND GLOSSARY OF COMMON TERMS

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#### GLOSSARY OF COMMON TERMS

° F: degrees Fahrenheit	<b>MACT:</b> maximum achievable technology
<b>acfm:</b> actual cubic feet per minute	<b>MMBtu:</b> million British thermal units
<b>ARMS:</b> Air Resource Management System (Department's database)	<b>MSDS:</b> material safety data sheets
<b>BACT:</b> best available control technology	<b>MW:</b> megawatt
<b>Btu:</b> British thermal units	<b>NESHAP:</b> National Emissions Standards for Hazardous Air Pollutants
<b>CAM:</b> compliance assurance monitoring	<b>NO<sub>x</sub>:</b> nitrogen oxides
<b>CEMS:</b> continuous emissions monitoring system	<b>NSPS:</b> New Source Performance Standards
<b>cfm:</b> cubic feet per minute	<b>O&amp;M:</b> operation and maintenance
<b>CFR:</b> Code of Federal Regulations	<b>O<sub>2</sub>:</b> oxygen
<b>CO:</b> carbon monoxide	<b>Pb:</b> lead
<b>COMS:</b> continuous opacity monitoring system	<b>PM:</b> particulate matter
<b>DEP:</b> Department of Environmental Protection	<b>PM<sub>10</sub>:</b> particulate matter with a mean aerodynamic diameter of 10 microns or less
<b>Department:</b> Department of Environmental Protection	<b>PSD:</b> prevention of significant deterioration
<b>dscfm:</b> dry standard cubic feet per minute	<b>psi:</b> pounds per square inch
<b>EPA:</b> Environmental Protection Agency	<b>PTE:</b> potential to emit
<b>ESP:</b> electrostatic precipitator (control system for reducing particulate matter)	<b>RACT:</b> reasonably available control technology
<b>EU:</b> emissions unit	<b>RATA:</b> relative accuracy test audit
<b>F.A.C.:</b> Florida Administrative Code	<b>SAM:</b> sulfuric acid mist
<b>F.D.:</b> forced draft	<b>scf:</b> standard cubic feet
<b>F.S.:</b> Florida Statutes	<b>scfm:</b> standard cubic feet per minute
<b>FGR:</b> flue gas recirculation	<b>SIC:</b> standard industrial classification code
<b>F:</b> fluoride	<b>SNCR:</b> selective non-catalytic reduction (control system used for reducing emissions of nitrogen oxides)
<b>ft<sup>2</sup>:</b> square feet	<b>SO<sub>2</sub>:</b> sulfur dioxide
<b>ft<sup>3</sup>:</b> cubic feet	<b>TPH:</b> tons per hour
<b>gpm:</b> gallons per minute	<b>TPY:</b> tons per year
<b>gr:</b> grains	<b>UTM:</b> Universal Transverse Mercator coordinate system
<b>HAP:</b> hazardous air pollutant	<b>VE:</b> visible emissions
<b>Hg:</b> mercury	<b>VOC:</b> volatile organic compounds
<b>I.D.:</b> induced draft	
<b>ID:</b> identification	
<b>kPa:</b> kilopascals	
<b>lb:</b> pound	

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**SECTION 4. APPENDIX CTR**  
**COMMON TESTING REQUIREMENTS**

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Unless otherwise specified in the permit, the following testing requirements apply to all emissions units at the permitted facility.

**COMPLIANCE TESTING REQUIREMENTS**

1. 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.]
2. Applicable Test Procedures - 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(7)(a)(10)(c), 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.[Rule 62-297.310(4), F.A.C.]
3. 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.
  - 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.]
4. 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*.

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**SECTION 4. APPENDIX CTR**  
**COMMON TESTING REQUIREMENTS**

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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. 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 other than the emergency flare system (EU 003) 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,
3. 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 visible emissions, if there is an applicable standard.
  4. 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.
- 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 in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.

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

**RECORDS AND REPORTS**

5. Test Reports: 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. 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. 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 shall provide the following information.
  - a. The type, location, and designation of the emissions unit tested.
  - b. The facility at which the emissions unit is located.
  - c. The owner or operator of the emissions unit.
  - d. 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.
  - e. 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.
  - f. The date, starting time and end time of the observation.
  - g. The test procedures used.

**SECTION 4. APPENDIX CTR**  
**COMMON TESTING REQUIREMENTS**

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- h. The names of individuals who furnished the process variable data, conducted the test, and prepared the report.
- i. 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.
- j. A certification that, to the knowledge of the owner or his authorized agent, all data submitted are true and correct. 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.]

## SECTION 4. APPENDIX GC

### GENERAL CONDITIONS

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

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey and 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 or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. 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.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:
  - a. Have access to and copy and records that must be kept under the conditions of the permit;
  - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit, and,
  - c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:
  - a. A description of and cause of non-compliance; and
  - b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

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.

## SECTION 4. APPENDIX GC

### GENERAL CONDITIONS

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance, provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.
11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 62-4.120 and 62-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.
12. This permit or a copy thereof shall be kept at the work site of the permitted activity.
13. This permit also constitutes:
  - a. Determination of Best Available Control Technology ( );
  - b. Determination of Prevention of Significant Deterioration ( ); and
  - c. Compliance with New Source Performance Standards (X).
14. The permittee shall comply with the following:
  - a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
  - b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application or this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
  - c. Records of monitoring information shall include:
    - 1) The date, exact place, and time of sampling or measurements;
    - 2) The person responsible for performing the sampling or measurements;
    - 3) The dates analyses were performed;
    - 4) The person responsible for performing the analyses;
    - 5) The analytical techniques or methods used; and
    - 6) The results of such analyses.
15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.



#### **SECTION 4. APPENDIX IIII**

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##### **NSPS, 40 CFR 60, SUBPART IIII – STATIONARY COMPRESSION IGNITION INTERNAL COMBUSTION ENGINES**

The new emergency generator (E.U. ID 005) is subject to the applicable requirements of 40 CFR 60, Subpart IIII- Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. The provisions of this Subpart may be provided in full upon request and are also available at the following link:

[Link to NSPS Subpart IIII](#)

#### **SECTION 4. APPENDIX ZZZZ**

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##### **NESHAP, 40 CFR 63, SUBPART ZZZZ – STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINES**

The new emergency generator (E.U. ID 005) is subject to the applicable requirements of 40 CFR 63, Subpart ZZZZ--National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. The complete provisions of Subpart ZZZZ may be provided in full upon request and are also available beginning at Section 63.6580 at:

[Link to NESHAP Subpart ZZZZ](#)

## STATEMENT OF BASIS

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### Title V Air Operation Permit Renewal Permit No. 0110351-005-AV

#### APPLICANT

The applicant for this project is the South Florida Water Management District. The applicant's responsible official and mailing address are: Mr. Michael Gallagher, Bureau Chief, Field Operations South, South Florida Water Management District, S-8/G-404 Pump Station, located on the L-5 Canal, L-4 Canal and L-23 Canal junction, 15 miles west of Hwy. 27 along Palm Beach/Broward County line.

#### FACILITY DESCRIPTION

The South Florida Water Management District (SFWMD) operates the co-located flood control Pump Stations Nos. S-8 & G-404 located at L-5 Canal, L-4 Canal and L-23 Canal junction, 15 miles west of Hwy. 27 along Palm Beach/Broward County line. The SFWMD acquired ownership of the station in February 9, 1962 from the U.S Army Corps of Engineers. At that time, the facility was never required to obtain an air pollution construction or operation permit because there were no applicable requirements and the primary function was emergency flood control.

Pump Station S-8 utilizes four (4) internal combustion 800 hp diesel-fired engines driving four (4) water pumps and was built prior to PSD regulations and is therefore exempt. Pump Station G-404 utilizes three (3) internal combustion 440 hp diesel-fired engines driving three (3) water pumps. The engines in Pump Station G-404 are limited to using 250,000 gallons of diesel fuel in a 12-month period in order to escape PSD regulations.

In 2012-2013, the 7 pump engines were retrofitted with add-on diesel oxidation catalyst pollution control systems (see permit No. 0110351-004-AC). The catalyst units were installed in response to the modification of the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Reciprocating Internal Combustion Engines (RICE) in 40 CFR part 63, subpart ZZZZ. The federal rule requires emissions of carbon monoxides (CO) to be limited to 23 ppm or a reduction by 70 percent in the exhaust of subject sources. The four 800 hp engines at pump station No. S-8 were also required to have Continuous Parameter Monitoring Systems (CPMS) to monitor both the temperature and pressure drop across the catalyst units. The S-8 pump station also includes two 380 hp diesel emergency generators and one 45 hp diesel non-emergency air compressor/vacuum pump which are also regulated by NESHAP (40 CFR Part 63, Subpart ZZZZ). Two 25,000 gallon diesel fuel tanks, are unregulated.

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 for the above referenced facility and to incorporate the new conditions from the construction permit 0110351-004-AC and the new requirements from 40 CFR Part 63, Subpart ZZZZ.

#### PROCESSING SCHEDULE AND RELATED DOCUMENTS

0110351-003-AV issued **November 9, 2009**

0110351-004-AC issued **May 10, 2012**

Application for a Title V Air Operation Permit Renewal received **March 6, 2014**

Application for a combined Air Construction and Air Operation Permit received **July 8, 2014**

#### PRIMARY REGULATORY REQUIREMENTS

Based on the Title V Air Operation Permit Renewal application received by the Department of Environmental Protection on March 6, 2014:

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

## 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 not 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.

NESHAP: The facility does operate units subject to the National Emissions Standards for Hazardous Air Pollutants (NESHAP) of 40 CFR 63.

CAIR: The facility is not subject to the Clean Air Interstate Rule (CAIR) set forth in Rule 62-296.470, F.A.C.

CAM: Compliance Assurance Monitoring (CAM) does not apply to any of the units at the facility.

### PROJECT REVIEW

This permit renewal adds Emission Unit EU005, a new 5 kw emergency generator at G-404, and also incorporates the new conditions in the air construction permit 0110351-004-AC, and also the new requirements from 40 CFR Part 63, Subpart ZZZZ, which elevated the emergency generators and the air compressor engine from unregulated to regulated status. Thus these emission units were assigned formal emission unit numbers. The following summarizes the changes for each emissions unit:

EU001 - four 800 hp diesel fired pumps at S-8: Changes include emission limitations for Carbon Monoxide (CO), requirements for monitoring and maintenance of the engines and catalysts as well as the CPMS (for catalyst temperature and pressure drop) record keeping, periodic performance testing, and reporting.

EU002 - three 440 hp diesel fired pumps at G-404: Changes include emission limitations for CO, requirements for monitoring and maintenance of the engines and catalysts, record keeping, and reporting.

EU003 – two 280 hp diesel fired emergency generators at S-8: This unit is now regulated under 40 CFR Part 63, Subpart ZZZZ, which requires an hour meter if one does not exist, limitations on non-emergency use, regular maintenance and recordkeeping of maintenance.

EU004 – one 45 hp diesel fired compressor/vacuum pump at S-8: This unit is now regulated under 40 CFR Part 63, Subpart ZZZZ which requires regular maintenance and recordkeeping of maintenance.

EU005 – one new 11.1 max hp diesel fired 5 kw emergency generator at G-404. This unit will be Certified Tier 4 and regulated by 40 CFR Part 63 Subpart ZZZZ which requires the engine to comply with 40 CFR Part 63 Subpart IIII, which requires regular maintenance and recordkeeping of maintenance.

### CONCLUSION

This project renews Title V air operation permit No. 0110351-003-AV, which was issued on November 9, 2009. 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 and 62-213, F.A.C.

SOUTH FLORIDA  
WATER MANAGEMENT DISTRICT  
Pump Stations S-8 & G-404  
Facility ID No.: 0110351  
Broward/Palm Beach County

Title V Air Operation Permit Renewal  
FINAL Permit Renewal Project No.: 0110351-005-AV

Permitting and Compliance Authority:  
State of Florida  
Department of Environmental Protection  
Southeast District

3301 Gun Club Road  
MSC 7210-1  
West Palm Beach, Florida 33406

Telephone: 561/681-6600  
sed.air@dep.state.fl.us

Title V Air Operation Permit Renewal

**FINAL Permit Renewal No.: 0110351-005-AV**

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**FLORIDA DEPARTMENT OF  
ENVIRONMENTAL PROTECTION**  
SOUTHEAST DISTRICT OFFICE  
3301 GUN CLUB ROAD; MSC 7210-1  
WEST PALM BEACH, FL 33406  
561-681-6600

RICK SCOTT  
GOVERNOR

CARLOS LOPEZ-CANTERA  
LT. GOVERNOR

HERSCHEL T. VINYARD JR.  
SECRETARY

Permittee:  
South Florida Water Management District  
3301 Gun Club Road  
West Palm Beach, Florida 33406

FINAL Permit Renewal No.: 0110351-005-AV  
Facility ID No.: 0110351  
SIC No.: 9511  
Project: Title V Air Operation Permit Renewal  
Pump Stations S-8 & G-404

The purpose of this permit is to renew Title V Air Operation Permit (Permit No. 0110351-003-AV) and to incorporate the changes and requirements from Construction Permit 0110351-004-AC. This existing facility is located at the junction of canals L-5, L-4, and L-23, 15 miles west of Hwy. 27 along Palm Beach/Broward County line.

UTM Coordinates: Zone 17, 522.3 km East and 2912.2 km North  
Latitude: 26° 19' 53" North and Longitude: 80° 46' 27" West

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

**Referenced attachments made a part of this permit:**

Appendix A: Abbreviations etc  
Appendix H: Permit History  
Appendix I: List of Insignificant Activities  
Appendix NESHAP, Subpart A – General Provisions.  
Appendix NESHAP, Subpart ZZZZ  
Appendix NSPS, Subpart A – General Provisions  
Appendix NSPS, Subpart IIII  
Appendix RR, Facility-Wide Reporting Requirements  
Appendix TR, Facility-Wide Testing Requirements  
Appendix TV-6, Title V conditions (version dated 02-16-12)

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

**DRAFT**

Jennifer K. Smith  
Assistant Director  
Southeast District

*JMS/lch sdt*  
JKS/dmp/lch/sdt

\_\_\_\_\_  
Date

**Section I. Facility Information****Subsection A. Facility Description**

The South Florida Water Management District (SFWMD) operates flood control pump stations Nos. S-8 & G-404 located at L-5 Canal, L-4 Canal and L-23 Canal junction, 15 miles west of Hwy. 27 along the Palm Beach/Broward County line.

The pump station S-8 consists of four (4) diesel-fired pump engines rated at 800 hp each with Diesel Oxidation Catalyst air pollution controls. The engines were installed in 1959, and retrofitted in 1996 to install new liners, new timing equipment, and low lift fuel injector systems. The Pump station G-404 consists of three (3) pumps each powered by a diesel fired internal combustion engine with Diesel Oxidation Catalyst pollution controls rated at 440 brake horse power (bhp). The initial startup date was October 1999.

Also included in this permit are two diesel fired 380 hp engines each driving a 250 kw generator @ S-8, and miscellaneous unregulated/insignificant emissions units and/or activities.

Based on the Title V Air Operation Permit Renewal application received on March 6, 2014, this facility is not a major source of hazardous air pollutants (HAPs).

**Subsection B. Summary of Emissions Unit ID No(s). and Brief Description(s).**

<b>E.U. ID No.</b>	<b>Brief Description</b>
001	Four (4) internal combustion diesel-fired pump engines rated at 800 hp each @ S-8 fitted with Diesel Oxidation Catalyst pollution controls.
002	Three (3) internal combustion diesel fired pumps engine rated at 440 hp each. @ G-404 fitted with Diesel Oxidation Catalyst pollution controls.
003	Two (2) internal combustion diesel fired 380 hp engines each driving a 250 kw generator. @ S-8
004	One (1) 45 hp diesel engine powering one standby air compressor
005	One (1) diesel engine driving a 5 kW emergency generator at G-404 Cummins Onan Model QD 5000 or equal.

*Please reference the Permit No., Facility ID No., and appropriate Emissions Unit(s) ID No(s). on all correspondence, test report submittals, applications, etc.*

**Subsection C. Relevant Documents.**

The documents listed below are not a part of this permit; however, they are specifically related to this permitting action.

These documents are provided to the permittee for information purposes only:

Statement of Basis

Appendix A-1, Abbreviations, Acronyms, Citations, and Identification Numbers

Appendix H-1, Permit History

These documents are on file with the permitting authority:



SECTION I – FACILITY INFORMATION

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0990618-001-AG General Permit for Pump Station G-404 (Palm Beach County)  
0990351-001-AV Initial Title V Air Operation Permit issued May 1, 1998 (Palm Beach County)  
0110351-001-AV Initial Title V Air Operation Permit issued May 1, 1998 (Moved to Broward Co.  
Jurisdiction  
Pollution Prevention Plan received April 2, 2003  
0110351-002-AV Title V Air Operation Permit Renewal issued February 18, 2005 (Incorporating the  
adjacent G-404 Pump Station, previously under a separate General Permit)  
Application for a Title V Air Operation Permit Renewal received April 29, 2009  
0110351-003-AV Title V Air Operation Permit Renewal issued November 9, 2009  
Construction Permit Application received November 15, 2011 (to add oxidation Catalysts to EU001 &  
EU002)  
0110351-004-AC Construction Permit issued May 10, 2012  
Application for a Title V Air Operation Permit Renewal received March 6, 2014  
Application for a combined Title V Air Operation Permit Renewal and Construction Permit received July  
8, 2014

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

- FW1. Appendices.** The permittee shall comply with all documents identified in Section 4, 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.]
- 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 Particulate Emission Limiting Standards. General Visible Emissions Standard.**  
Except for emissions units that are subject to a particulate matter or opacity limit set forth or established by rule and reflected by conditions in this permit, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than that designated as Number 1 on the Ringelmann Chart (20 percent opacity). EPA Method 9 is the method of compliance pursuant to Chapter 62-297, F.A.C.  
[Rules 62-296.320(4)(b)1. & 4., F.A.C.]
- FW4. Prevention of Accidental Releases (Section 112(r) of CAA).**
- a. The permittee shall submit its Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center when, and if, such requirement becomes applicable. Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to:  
RMP Reporting Center  
Post Office Box 10162  
Fairfax, VA 22038  
Telephone: 703/227-7650  
and,
  - b. The permittee shall 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]
- FW5. Unregulated Emissions Units and/or Activities.** Appendix U-1, List of Unregulated Emissions Units and/or Activities, is a part of this permit.  
[Rule 62-213.440(1), F.A.C.]
- FW6. Insignificant Activities.** Appendix I-1, List of Insignificant Activities, is a part of this permit.  
[Rules 62-213.440(1) & 62-213.430(6) & 62-4.040(1)(b), F.A.C.]
- FW7. General Pollutant Emission Limiting Standards.** 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 (VOC) or organic solvents (OS) without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department.  
*{Permitting Note: Nothing was deemed necessary and ordered at this time.}*  
[Rule 62-296.320(1)(a), F.A.C.]

**FW8. Emissions of Unconfined Particulate Matter.** Pursuant to Rules 62-296.320(4) (c) 1. 3. & 4., F.A.C., reasonable precautions to prevent emissions of unconfined particulate matter at this facility include the following requirements (see Condition 57. of APPENDIX TV-6, TITLE V CONDITIONS):

The following requirements are “not federally enforceable”:

- Surface Coating Activities – When practical, use of partial or total enclosures;
- Lawn and Ground Maintenance – Application of water to non-vegetative areas as needed, landscaping and planting grass in other areas as necessary;
- Abrasive Blasting – Confining abrasive blasting where possible;
- Parking Areas – Application of water as needed; and,
- Paved and Unpaved Roads – As needed, application of water on unpaved roads, removal of particulate matter from paved roads, limiting site access to vehicles, and vehicle speed limitations. [Rule 62-296.320(4)(c)2., F.A.C.; and, proposed by the applicant in the Renewal Title V permit application received April 29, 2009.]

**FW9. Time-specific Requirements.** When appropriate, any recording, monitoring, or reporting requirements that are time-specific shall be in accordance with the effective date of the permit, which defines day one.  
[Rule 62-213.440, F.A.C.]

#### **Annual Reports and Fees**

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

**FW10. Electronic Annual Operating Report and Title V Annual Emissions Fees.** The information required by the Annual Operating Report for Air Pollutant Emitting Facility [Including Title V Source Emissions Fee Calculation] (DEP Form No. 62-210.900(5)) shall be submitted by April 1 of each year, for the previous calendar year, to the Department of Environmental Protection’s Division of Air Resource Management. Each Title V source shall submit the annual operating report using the DEP’s Electronic Annual Operating Report (EAOR) software, unless the Title V source claims a technical or financial hardship by submitting DEP Form No. 62-210.900(5) to the DEP Division of Air Resource Management instead of using the reporting software. Emissions shall be computed in accordance with the provisions of subsection 62-210.370(2), F.A.C. Each Title V source must pay between January 15 and April 1 of each year an annual emissions fee in an amount determined as set forth in subsection 62-213.205(1), F.A.C. The annual fee shall only apply to those regulated pollutants, except carbon monoxide and greenhouse gases, for which an allowable numeric emission-limiting standard is specified in the source’s most recent construction permit or operation permit. Upon completing the required EAOR entries, the EAOR Title V Fee Invoice can be printed by the source showing which of the reported emissions are subject to the fee and the total Title V Annual Emissions Fee that is due. The submission of the annual Title V emissions fee payment is also due (postmarked) by April 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 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.}*

- FW11.**     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: This condition implements the requirements of Rules 62-213.440(3)(a)2. & 3., F.A.C. (see Condition 51. of APPENDIX TV-6, TITLE V CONDITIONS)}*

- FW12.**     The permittee shall submit all compliance related notifications and reports required of this permit to the Department's Southeast District office.

Department of Environmental Protection  
Southeast District Office  
Air Section  
3301 Gun Club Road; MSC 7210-1  
West Palm Beach, Florida 33406  
Telephone: 561/681-6600  
Email: [sed.air@dep.state.fl.us](mailto:sed.air@dep.state.fl.us)

- FW13.**     Submittals to USEPA. Any reports, data, notifications, certifications, and requests required to be sent to the United States Environmental Protection Agency, Region 4, should be sent to:

United States Environmental Protection Agency  
Region 4  
Air, Pesticides & Toxics Management Division  
Air and EPCRA Enforcement Branch  
Air Enforcement Section  
61 Forsyth Street  
Atlanta, Georgia 30303-8960  
Telephone: 404/562-9155; Fax: 404/562-9163

- FW14.**     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.]

- FW15.**     Fuel Limitation: Total fuel consumption by all four (4) internal combustion diesel fired pumps engine within the G-404 pump station is limited to 250,000 gallons per twelve (12) month rolling total of diesel fuel.

[Rules 62-212.400(4) & (5), F.A.C., Applicant's request to escape from PSD requirements]

**Section III. Emissions Unit Special Conditions.****Subsection A. This section addresses the following emissions units.**

<b>E.U. ID No.</b>	<b>Brief Description</b>	<b>See Specific Conditions</b>
001	Four (4) internal combustion diesel-fired pump engines rated at 800 hp each @ S-8	A.1, A.3 – A.13, A.15 – A.19
002	Three (3) internal combustion diesel fired pumps engine rated at 440 hp each. @ G-404	A.1 – A.5, A.9 – A.12, A.14-A.15, A.18 – A.20

The EU001 engines in the S-8 Pump Station operate with Diesel Oxidation Catalyst pollution controls, and provide a total pumping capacity of 2,688,786,000 gallons of water per 24 hours. **These units were constructed prior to the PSD regulations and hence PSD rules do not apply to the units at S-8.**

*{Note: These emission units are subject to 40 CFR Part 63, Subpart ZZZZ “National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE).” The emissions unit shall comply with the applicable requirements of 40 CFR part 63, Subpart ZZZZ.}*

The following specific conditions apply to the emissions unit listed above:

**ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS**

- A.1. Hours of Operation:** This emissions unit is allowed to operate continuously, i.e., 8,760 hours/year.  
[Rule 62-210.200(PTE), F.A.C.]

**Note: Condition A.2. is only applicable to EU002 and EU005**

- A.2. Total fuel consumption** by all diesel engines at Pump Station G-404 (three (3) internal combustion diesel fired pumps engines (EU002) and one emergency generator (EU005)) are limited to 250,000 gallons per twelve (12) month rolling total of diesel fuel,  
[Rules 62-212.400(4) & (5), F.A.C., Applicant's request to escape from PSD requirements]
- A.3. Allowable Fuel.** The stationary RICE must use diesel fuel that meets the following requirements for non-road diesel fuel:
- a) Sulfur Content. The sulfur content shall not exceed 15 ppm (0.0015% by weight) for non-road diesel fuel.
  - 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.
- [40 CFR 63.6604 and 40 CFR 80.510(b)]

**OPERATION**

- A.4. The permittee shall meet the following operating limitations:**
- a) Maintain the catalyst so that the pressure drop across the catalyst does not change by more than 2 inches of water at 100 percent load plus or minus 10 percent from the pressure drop across the catalyst that was measured during the initial performance test; and

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- b) Maintain the temperature of the engine's exhaust so that the catalysts inlet temperature is greater than or equal to 450 degrees Fahrenheit and less than or equal to 1350 degrees Fahrenheit.  
[40 CFR 63.6603(a)]

**EMISSION LIMITATIONS AND STANDARDS**

**A.5. Emission Limitations:** The permittee shall meet the following operating limitations:

- a) Limit Concentration of carbon monoxide (CO) in the exhaust to (23 ppmvd EU 001) and (49 ppmvd EU 002) at 15% O<sub>2</sub>; or
- b) Reduce CO emissions by 70 percent.  
[40CFR 63.6603(a)]

**TEST METHODS AND PROCEDURES**

**Note: Condition A.6. is only applicable to EU001**

**A.6. Performance Testing:** The permittee shall conduct performance tests as specified in Table 3 of Part 63, subpart ZZZZ every 8,760 hours or 3 years, whichever comes first, in accordance with subpart ZZZZ requirements.  
[40 CFR63.6615]

*Note: If the permittee operates a non-operational stationary RICE that is subject to performance testing, the permittee does not need to start up the engine solely to conduct the performance test. The permittee can conduct the performance test when the engine is started up again.*  
[40 CFR 63.220(a) & (b)]

**MONITORING OF OPERATION**

**Note: Conditions A.7. and A.8. are only applicable to EU001.**

**A.7. Continuous Parameter Monitoring System:** The permittee is required to install a continuous parameter monitoring system (CPMS) as specified in Table 5 of 40 CFR 63 Subpart ZZZZ, and must install, operate, and maintain each CPMS according to the requirements in paragraphs a) 1) through 5) of this condition. For an affected source that is complying with the emission limitations and operating limitations on March 9, 2011, the requirements in paragraph A.7.a) are applicable September 6, 2011.

- a) You must prepare a site-specific monitoring plan that addresses the monitoring system design, data collection, and the quality assurance and quality control elements outlined in paragraphs (1)(i) through (v) of this section and in §63.8(d). As specified in §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 (6) of this section in your site-specific monitoring plan.
  - 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 §63.8(c)(1) and (c)(3); and
  - 5) Ongoing reporting and recordkeeping procedures in accordance with provisions in §63.10(c), (e)(1), and (e)(2)(i).
- b) The permittee must install, operate, and maintain each CPMS in continuous operation

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according to the procedures in your site-specific monitoring plan.

- c) The CPMS must collect data at least once every 15 minutes (see also §63.6635).
- 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.
- e) The permittee shall conduct the CPMS equipment performance evaluation, system accuracy audits, or other audit procedures specified in your site-specific monitoring plan at least annually.
- f) The permittee shall conduct a performance evaluation of each CPMS in accordance with your site-specific monitoring plan.

40 CFR 63.6625(b)]

**A.8. Continuous Compliance Requirements**

- a) If you must comply with emission and operating limitations, you must monitor and collect data according to this section.
- b) Except for monitor malfunctions, associated repairs, required performance evaluations, and required quality assurance or control activities, you must monitor continuously at all times that the stationary RICE is operating. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.
- c) 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.9.** The permittee must report each instance in which the emission limitation is not met or operating limitation in Tables 1a and 1b, Tables 2a and 2b, Table 2c, and Table 2d to 40 CFR 63 Subpart ZZZZ that apply to you. These instances are deviations from the emission and operating limitations in 40 CFR 63 Subpart ZZZZ. These deviations must be reported according to the requirements in §63.6650. If you change your catalyst, you must reestablish the values of the operating parameters measured during the initial performance test. When you reestablish the values of your operating parameters, you must also conduct a performance test to demonstrate that the emissions units are meeting the required emission limitation applicable.  
[40 CFR 63.6640(b)]

**NOTIFICATION REQUIREMENTS**

- A.10.** You must submit all of the notifications in §§63.7(b) and (c), 63.8(e), (f)(4) and (f)(6), 63.9(b) through (e), and (g) and (h) that apply to you by the dates specified.  
[40 CFR 63.6645(a)]
- A.11.** Notification of Performance Tests: The permittee shall notify the Department in writing of the intent to conduct a performance test at least 60 calendar days before the performance test is initially scheduled to begin to allow the Department, upon request, to review and approve the site-specific test plan and have an observer present during the test.  
[40 CFR 63.7(b)(1)]
- A.12.** If you are required to conduct a performance test or other initial compliance demonstration as specified in Tables 4 and 5 of 40 CFR 63 Subpart ZZZZ, you must submit a Notification of Compliance Status according to §63.9(h)(2)(ii).
- a) For each initial compliance demonstration required in Table 5 of 40 CFR 63 Subpart ZZZZ that does not include a performance test, you must submit the Notification of Compliance Status before the close of business on the 30th day following the completion of the initial compliance demonstration.

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- b) For each initial compliance demonstration required in Table 5 of 40 CFR 63 Subpart ZZZZ that includes a performance test conducted according to the requirements in Table 3 of 40 CFR 63 Subpart ZZZZ, you must submit the Notification of Compliance Status, including the performance test results, before the close of business on the 60th day following the completion of the performance test according to §63.10(d)(2).  
[40CFR 63.6645(h)]

**REPORTING REQUIREMENTS**

**Note: Condition A.13. is only applicable to EU001.**

**A.13. Compliance Report.**

- a) The permittee shall submit Semiannual Compliance Report, as required in Table 7 of 40 CFR part 63, subpart ZZZZ, containing the following information:
- 1) If there are no deviations from any emission limitations or operating limitations that apply to you, a statement that there were no deviations from the emission limitations or operating limitations during the reporting period. If there were no periods during which the CPMS, was out-of-control, as specified in §63.8(c)(7), a statement that there were not periods during which the CMS was out-of-control during the reporting period; or
  - 2) If you had a deviation from any emission limitation or operating limitation during the reporting period, the information in §63.6650(d). If there were periods during which the CPMS, was out-of-control, as specified in §63.8(c)(7), the information in §63.6650(e); or
  - 3) If you had a malfunction during the reporting period, the information in §63.6650(c)(4)  
[40 CFR 63.6650(a)]
- b) The permittee shall submit the report required as specified below:
- 1) The first Compliance report must cover the period beginning on the compliance date that is specified in Specific Condition 3. and ending on June 30 or December 31, whichever date is the first date following the end of the first calendar half after the compliance date.
  - 2) The first Compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date follows the end of the first calendar half after the compliance date that is specified in Specific Condition 3.
  - 3) Each subsequent Compliance report must cover the semiannual reporting period from January 1 through June 30 or the semiannual reporting period from July 1 through December
  - 4) Each subsequent Compliance report must be postmarked or delivered no later than July 31 or January 31, whichever date is the first date following the end of the semiannual reporting period.
  - 5) For each stationary RICE that is subject to permitting regulations pursuant to 40 CFR part 70 or 71, and if the permitting authority has established dates for submitting semiannual reports pursuant to 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6 (a)(3)(iii)(A), you may submit the first and subsequent Compliance reports according to the dates the permitting authority has established instead of according to the dates in paragraphs (b)(1) through (b)(4) of this section.  
[40 CFR 63.6650(b)]
- c) The compliance report must contain the information in paragraphs (1) through (6) as specified below:
- 1) Company name and address.



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- 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 §63.6605(b), including actions taken to correct a malfunction.
- 5) If there are no deviations from any emission or operating limitations that apply to 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 CPMS, was out-of-control, as specified in §63.8(c)(7), a statement that there were no periods during which the CPMS was out-of-control during the reporting period.

[40CFR 63.6650(c)]

- d) For each deviation from an emission or operating limitation that occurs for a stationary RICE where you are not using a CPMS to comply with the emission or operating limitations in 40 CFR 63 Subpart ZZZZ, the Compliance report must contain the information in paragraphs c)(1) through (4) of this condition and the information in paragraphs 1) and 2) below.

- 1) The total operating time of the stationary RICE at which the deviation occurred during the reporting period.
- 2) Information on the number, duration, and cause of deviations (including unknown cause, if applicable), as applicable, and the corrective action taken.

[40 CFR 63.6650(d)]

- e) For each deviation from an emission or operating limitation occurring for a stationary RICE where you are using a CPMS to comply with the emission and operating limitations in 40 CFR 63 Subpart ZZZZ, you must include information in paragraphs (c)(1) through (4) and (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).
- 4) The date and time that each deviation started and stopped, and whether each deviation occurred during a period of malfunction or during another period.
- 5) A summary of the total duration of the deviation during the reporting period, and the total duration as a percent of the total source operating time during that reporting period.
- 6) A breakdown of the total duration of the deviations during the reporting period into those that are due to control equipment problems, process problems, other known causes, and other unknown causes.
- 7) A summary of the total duration of CMS downtime during the reporting period, and the total duration of CMS downtime as a percent of the total operating time of the stationary RICE at which the CMS downtime occurred during that reporting period.
- 8) An identification of each parameter and pollutant (CO or formaldehyde) that was monitored at the stationary RICE.
- 9) A brief description of the stationary

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- 10) A brief description of the CMS.
  - 11) The date of the latest CMS certification or audit.
  - 12) A description of any changes in CMS, processes, or controls since the last reporting period.  
[40 CFR 63.6650(e)]
- f) Each affected source that has obtained a Title V operating permit pursuant to 40 CFR part 70 or 71 must report all deviations as defined in 40 CFR 63 Subpart ZZZZ in the semiannual monitoring report required by 40 CFR 70.6 (a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A). If an affected source submits a Compliance report pursuant to Table 7 of 40 CFR 63 Subpart ZZZZ along with, or as part of, the semiannual monitoring report required by 40 CFR 70.6(a)(3)(iii)(A) or 40 CFR 71.6(a)(3)(iii)(A), and the Compliance report includes all required information concerning deviations from any emission or operating limitation in 40 CFR 63 Subpart ZZZZ, submission of the Compliance report shall be deemed to satisfy any obligation to report the same deviations in the semiannual monitoring report. However, submission of a Compliance report shall not otherwise affect any obligation the affected source may have to report deviations from permit requirements to the permit authority.  
[40 CFR 63.6650(f)]

**RECORDKEEPING REQUIREMENTS**

**Note: Condition A.14. is only applicable to EU002**

**A.14.** To ensure compliance with Specific Condition A.2., which specifies that the 12-month total diesel fuel consumption of Emissions Unit 002 does not exceed 250,000 gallons:

- a) Within the first 15 days of each month, the permittee shall record in a written log the following:
  - 1) Gallons of diesel fuel consumed for the previous month of operation;
  - 2) Gallons of diesel fuel consumed for the previous consecutive 12 month of operation (including the previous month consumption discussed as above; and
  - 3) Hours of operation for each pump engine for the previous month of operation.
- b) For daily fuel consumption monitoring. Once per day, the permittee shall record in written log the following information:
  - 1) Gallons of diesel fuel consumed for the day of operation
  - 2) Gallons of diesel fuel consumed for the previous consecutive 365 days of operation; and
  - 3) Hours of operation for each pump engine for the day of operation.

[Rule 62-4.070(3), F.A.C.]

**A.15.** The permittee must keep the records listed below:

- a) A copy of each notification and report that you submitted, including all documentation supporting any Initial Notification or Notification of Compliance Status that you submitted.
- b) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.
- c) Records of performance tests and performance evaluations as required.
- d) Records of all required maintenance performed on the air pollution control and monitoring equipment.
- e) Records of actions taken during periods of malfunction to minimize emissions including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.  
[40 CFR 63.6655(a)]

**Note: Conditions A.16. and A.17. are only applicable to EU001**

**A.16.** For each CPMS, you must keep the following records:

- a) Records described in §63.10(b)(2)(vi) through (xi).
  - b) Previous versions of the performance evaluation plan as required in
  - c) Requests for alternatives to the relative accuracy test for CPMS if applicable.
- [40 CFR 63.6655(b)]

**A.17.** You must keep the records required in Table 6 of 40 CFR 63 Subpart ZZZZ to show continuous compliance with each emission or operating limitation that applies to you.  
[40 CFR 63.6655(d)]

**A.18.** You must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that you operated and maintained the stationary RICE and after-treatment control device according to your own maintenance plan.  
[40 CFR 63.6655(e)]

**A.19.** Records shall be retained as follows:

- a) Your records must be in a form suitable and readily available for expeditious review according to §63.10(b)(1).
- b) As specified in §63.10(b)(1), you must keep each record for 5 years following the date of each occurrence, measurement, maintenance, corrective action, report, or record.
- c) You must keep each record readily accessible in hard copy or electronic form for at least 5 years after the date of each occurrence, measurement, maintenance, corrective action, report, or record, according to §63.10(b)(1).

[40 CFR 63.6660]

**SUBSECTION B. THIS SECTION ADDRESSES THE FOLLOWING EMISSIONS UNITS**

<b>E.U. ID No.</b>	<b>Brief Description</b>	<b>See Specific Conditions</b>
003	Two (2) internal combustion diesel fired 380 hp engines each driving a 250 kw emergency generator. @ S-8	B.1. – B.10.
004	One (1) 45 hp diesel engine powering one standby air compressor @ S-8	B.1. – B.2 B.4. – B.10

*{Note: These emissions units are subject to 40 CFR Part 63, Subpart ZZZZ “National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE).” The emissions units shall comply with the applicable requirements of 40 CFR part 63, Subpart ZZZZ}*

The following specific conditions apply to the emissions unit listed above:

**ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS****B.1. Hours of Operation.****a) EU003 Emergency Generator:**

- 1) Emergency Situations. There is no time limit on the use of emergency stationary RICE in emergency situations.  
[40 CFR 63.6640(f)(1)]
- 2) Maintenance and Testing. Each RICE is authorized to operate for the purpose of maintenance checks and readiness testing, provided that the tests are recommended by federal, state or local government, the manufacturer, the vendor, or the insurance company associated with the engine. Maintenance checks and readiness testing of such units is limited to 100 hours per year.  
[40 CFR 63.6640(f)(1)]
- 3) Non-emergency Situations. Each RICE is authorized to operate up to 50 hours per year in non-emergency situations, but those 50 hours are counted towards the 100 hours per year provided for maintenance and testing.  
[40 CFR 63.6640(f)(1)]
- 4) Other Situations. Each RICE cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity; except that owners and operators may operate the emergency engine for a maximum of 15 hours per year as part of a demand response program if the regional transmission organization or equivalent balancing authority and transmission operator has determined there are emergency conditions that could lead to a potential electrical blackout, such as unusually low frequency, equipment overload, capacity or energy deficiency, or unacceptable voltage level. The engine may not be operated for more than 30 minutes prior to the time when the emergency condition is expected to occur, and the engine operation must be terminated immediately after the facility is notified that the emergency condition is no longer imminent. The 15 hours per year of demand response operation are counted as part of the 50 hours of operation per year provided for non-emergency situations. The supply of emergency power to another entity or entities pursuant to financial arrangement is not limited by this paragraph, as long as the power provided by the financial arrangement is limited to emergency

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power.

[40 CFR 63.6640(f)(1)]

- 5) Engine Startup. During periods of startup the owner or operator must minimize the engine's time spent at idle and minimize the engine's startup time to a period needed for the appropriate and safe loading of the engine, not to exceed 30 minutes, after which time the non-startup emission limitations apply.

b) EU004 Air Compressor:

- 1) Emissions Unit 004 has no limitation on the hours of operation.

[40 CFR 63.6625(h)]

**Note: Condition B.2. is only applicable to EU003.**

**B.2. Allowable Fuel.** The stationary RICE must use diesel fuel that meets the following requirements for non-road diesel fuel:

- a) Sulfur Content. The sulfur content shall not exceed 15 ppm (0.0015% by weight) for non-road diesel fuel.
- 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.

[40 CFR 63.6604 and 40 CFR 80.510(b)]

## EMISSION LIMITATIONS AND OPERATING REQUIREMENTS

**{Permitting note: These "existing" stationary emergency CI engines with < 500 HP do not have specific numerical emission limitations and standards.}**

**B.3. Work or Management Practice Standards.**

- a) *Oil.* Change oil and filter every 500 hours of operation or annually, whichever comes first.  
[40 CFR 63 Table 2c(1)(a)]
- b) *Air Cleaner.* Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first.  
[40 CFR 63 Table 2c(1)(b)]
- c) *Hoses and Belts.* Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary.  
[40 CFR 63 Table 2c(1)(c)]
- d) *Operation and Maintenance.* Operate and maintain the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions or develop and follow your own maintenance plan which must provide, to the extent practicable for the maintenance and operation of the engine in a manner consistent with good air pollution, control practice for minimizing emissions.  
[40 CFR 63.6625(e)]
- e) *Oil Analysis.* The owner or operator has the option of using oil analysis to extend the change requirement. The oil analysis must be performed at the same frequency specified for changing the oil. The analysis program must at a minimum analyze the following three parameters: Total Base Number, viscosity, and percent of water content. The condemning limits for these parameters are as follows: Total Base Number is less than 30 percent of the Total Base Number of the oil when new; viscosity of the oil has changed by more than 20 percent from the viscosity of the oil when new; or percent of water content (by volume) is greater than 0.5. If all of these condemning limits are not exceeded, the engine owner or operator is not required to change the oil. If any of the limits are exceeded, the engine owner or operator must change the oil within 2 days of receiving the results of the analysis; if the engine is not in operation when the results of

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the analysis are received, the engine owner or operator must change the oil within 2 days or before commencing operation, whichever is later. The owner or operator must keep records of the parameters that are analyzed as part of the program, the results of the analysis, and the oil changes for the engine. The analysis program must be part of the maintenance plan for the engine.

[40 CFR 63.6625(i)]

**Monitoring of Operations**

**Note: Conditions B.4. is only applicable to EU003.**

**B.4. Hour Meter.** The owner or operator must install a non-resettable hour meter if one is not already installed.

[40 CFR 63.6625(f)]

**Compliance Requirements**

**B.5. Continuous Compliance.** Each unit shall be in compliance with the emission limitations and operating standards in this section at all times.

[40 CFR 63.6605(a)]

**B.6. Operation and Maintenance of Equipment.** At all times the owner or operator must operate and maintain, any affected source, including associated air pollution control equipment and monitoring equipment, in a manner consistent with safety and good air pollution control practices for minimizing emissions. 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)]

**Recordkeeping Requirements**

**B.7. Notification, Performance and Compliance Records.**

- a) A copy of each notification and report that the owner or operator submitted to comply with this section, including all documentation supporting any Initial Notification or Notification of Compliance Status that the owner or operator submitted.
- b) The owner or operator must keep the records required in 40 CFR 63.6625(e) of this section to show continuous compliance with each emission limitation or operating requirement.
- c) The owner or operator must keep records of the hours of operation of the engine that is recorded through the non-resettable hour meter. The owner or operator must document how many hours are spent for emergency operation including what classified the operation as emergency and how many hours are spent for non-emergency operation. If the engines are used for demand response operation, the owner or operator must keep records of the notification of the emergency situation, and the time the engine was operated as part of demand response.

[40 CFR 63.6655]

**B.8. Malfunction Records.**

- a) Records of the occurrence and duration of each malfunction of operation (i.e. process equipment) or the air pollution control and monitoring equipment.
- b) Records of actions taken during periods of malfunction to minimize emissions in accordance with 40 CFR 63.6605(b) of this section including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

[40 CFR 63.6655]

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**B.9. Maintenance Records.**

- a) Records of all required maintenance performed on the air pollution control and monitoring equipment.
- b) The owner or operator must keep records of the maintenance conducted on the stationary RICE in order to demonstrate that the stationary RICE and after-treatment control device (if any) are operated and maintained according to its own maintenance plan.

[40 CFR 63.6655]

**B.10. Record Retention.**

- a) The owner or operator must keep records in a suitable and readily available form for expeditious reviews.
- b) 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.

[40 CFR 63.6660 and 40 CFR 63.10(b)(1)]

**Reporting Requirements**

- B.11. Emergency Situation.** If an emergency engine is operating during an emergency and it is not possible to shut down the engine in order to perform the work practice requirements on the schedule required of this section, or if performing the work practice on the required schedule would otherwise pose an unacceptable risk under federal, state, or local law, the work practice can be delayed until the emergency is over or the unacceptable risk under federal, state, or local law has abated. The work practice should be performed as soon as practicable after the emergency has ended or the unacceptable risk under federal, state, or local law has abated. Sources must report any failure to perform the work practice on the schedule required and the federal, state or local law under which the risk was deemed unacceptable.

[40 CFR 63.6602 Table 2c, footnote 1]

**SUBSECTION C. THIS SECTION ADDRESSES THE FOLLOWING EMISSIONS UNITS.**

ID No.	Emission Unit Description
005	One (1) diesel engine driving a 5 kW emergency generator at G-404 Cummins Onan Model QD 5000 or equal.

The following table provides important details for this emissions unit:

E.U. ID No.	Engine Brake HP	Date of Construction	Model Year	Primary Fuel	Type of Engine	Displacement liters/cylinder (l/c)	Model No.
005	11.1	2014-2015	2014-2015	Diesel	4 cycle	0.240	QD 5000

*{Permitting Note: This emissions unit, compression ignition (CI) engine, is regulated under 40 CFR 63, Subpart ZZZZ, NESHAP for Stationary RICE adopted in Rule 62.204.800(11)(b), F.A.C. and 40 CFR 60, Subpart IIII, NSPS. This RICE is not used for fire pumps. This permit section addresses “new” stationary CI RICE less than 37 kW (50 hp) with a displacement less than 10 liters per cylinder, that is located at an area source of HAP and that have been modified, reconstructed or commenced construction on or after 6/12/2006 and have a post-2007 (2014) model year. As a new RICE located at an area source, in order to meet the requirements of 40 CFR 63, Subpart ZZZZ, the emissions unit shall meet the requirements of 40 CFR Part 60, Subpart IIII.}*

**EQUIPMENT**

- C.1.** G-404 Emergency Generator: The permittee is authorized to install One (1) diesel engine driving a 5 kW emergency generator at G-404. The generator will be a Cummins Onan Model QD 5000 or equal which has a maximum rated brake hp of 11.1 and will be certified by the manufacturer to meet U.S. EPA Tier IV emissions requirements. [Application No. 0110351-006-AC]
- C.2.** Certified Engine: To meet the emission standards of 40 CFR 60, Subpart IIII, the emission unit must be certified to the emission standards in 40 CFR 60.4205(b) as applicable, for the same model year and engine power. The engine must be installed and configured according to the manufacturer's emission-related specifications. [40 CFR 60.4211(c)]
- C.3.** The Engine will be installed with a non-resettable hour meter. [Rule 62-4.070(4), F.A.C.]

**PERFORMANCE RESTRICTIONS**

- C.4.** Permitted Capacity: The generator is permitted to have a 5 kw design capacity powered by a 11.1 hp diesel engine. [Rule 62-210.200(PTE), F.A.C.]
- C.5.** Authorized Fuel: The Emission Unit is authorized to burn only Ultra Low Sulfur Distillate (Diesel) Fuel.
- a) Sulfur Content. The sulfur content shall not exceed 0.0015% by weight for Non-Road fuel.
  - 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.
- [40 CFR 60.4207(b), 80.510(b) and Application No. 0110351-006-AC]
- C.6.** Hours of Operation: The hours of emergency operation are not limited (8760 hours per year). However, this emission unit is included with EU002 in the 250,000 gallons/year fuel cap for Pump Station G-404. The emergency generator may operate up to 100 hours per year for maintenance and testing purposes, which includes up to 50 hours per year in non-emergency



situations. [Application No. 0110351-006-AC and Rules 62-4.070(3), 62-210.200(PTE), F.A.C., and 40 CFR 60.4211(f)]

- C.7. Other Situations:** Each RICE cannot be used for peak shaving or to generate income for a facility to supply power to an electric grid or otherwise supply power as part of a financial arrangement with another entity. [40 CFR 60.4219]

## EMISSIONS STANDARDS

- C.8. Emissions Standards & Limits:** The stationary diesel engine shall comply with the following emission standards & limits and demonstrate compliance in accordance with the procedures given in NSPS 40 CFR 60, Subpart IIII. Manufacturer certification can be provided to the Department in lieu of actual stack testing.

<b>Emergency Generator/Engine</b> ( $< 10$ liters/cylinder)	<b>CO</b> (g/kW-hr) <sup>1</sup>	<b>CO</b> (g/hp-hr) <sup>1</sup>	<b>PM</b> (g/kW-hr)	<b>PM</b> (g/hp-hr)	<b>SO<sub>2</sub><sup>3</sup></b> (% S)	<b>NMHC<sup>4</sup> + NO<sub>x</sub></b> (g/kW-hr)	<b>NMHC<sup>4</sup> + NO<sub>x</sub></b> (g/hp-hr)
Subpart IIII Table 2 (2008 and later)	6.6	4.9	0.40	0.30	0.0015	7.5	5.6
<sup>1</sup> g/kW-hr means grams per kilowatt-hour. <sup>2</sup> Equivalent lb/hr. <sup>3</sup> SO <sub>2</sub> emission standard will be met by using ULSD fuel oil in the emergency generator with fuel sulfur (S) content of 0.0015% by weight. <sup>4</sup> NMHC means non-methane hydrocarbons.							

[40 CFR 60.4205(b) & Table 2 to Subpart IIII of Part 60]

- C.9. Operation and Maintenance:** The stationary CI internal combustion engine and control device (if applicable) must be maintained and operated according to the manufacturer's written instructions or procedures developed by the owner or operator that are approved by the engine manufacturer. In addition, owners and operators may only change those settings that are permitted by the manufacturer. The owner or operator must meet the requirements of 40 CFR parts 89, 94 and/or 1068, as they apply. [40 CFR 60.4211(a)]
- C.10.** If the stationary CI internal combustion engine and control device (if applicable) is not installed, configured, operated, and maintained according to the manufacturer's emission-related written instructions, or if changes are made to the emission-related settings in a way that is not permitted by the manufacturer, compliance shall be demonstrated by keeping a maintenance plan and records of conducted maintenance and the engine must, to the extent practicable, be maintained and operated in a manner consistent with good air pollution control practice for minimizing emissions. In addition, if the engine and control device is not installed and configured according to the manufacturer's emission-related written instructions, or changes are made to the emission-related settings in a way that is not permitted by the manufacturer, an initial performance test to demonstrate compliance with the applicable emission standards shall be conducted within 1 year of such action. [40 CFR 60.4211(g)]

## TESTING REQUIREMENTS

- C.11. Test Requirements:** The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. Tests shall be conducted in accordance with the applicable

requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(7)(a)9, F.A.C.]

- C.12. Test Methods:** Required tests shall be performed in accordance with the following reference methods.

Method	Description of Method and Comments
1-4	Traverse Points, Velocity and Flow Rate, Gas Analysis, and Moisture Content
5	Method for Determining Particulate Matter Emissions
6C	Method for Determining SO <sub>2</sub> Emissions (Instrumental)
7E	Determination of Nitrogen Oxide Emissions from Stationary Sources
9	Visual Determination of the Opacity of Emissions from Stationary Sources
10	Determination of Carbon Monoxide Emissions from Stationary Sources {Note: The method shall be based on a continuous sampling train.}
19	Determination of Sulfur Dioxide Removal Efficiency and Particulate Matter, Sulfur Dioxide, and Nitrogen Oxides Emission Rates (Optional F-factor method may be used to determine flow rate and gas analysis to calculate mass emissions in lieu of Methods 1-4.)
25A	Method for Determining Gaseous Organic Concentrations (Flame Ionization)

The above methods are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the Department. [Rules 62-204.800 and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

### MONITORING REQUIREMENTS

- C.13. The permittee shall monitor and maintain records of:**
- Emergency and non-emergency operating time.
  - Fuel Usage.
  - Maintenance.

[Rule 62-4.070(3), F.A.C.]

### RECORDS AND REPORTS

- C.14. Notification, Recordkeeping and Reporting Requirements:** The permittee shall adhere to the compliance testing and certification requirements listed in 40 CFR 60.4211 and maintain records demonstrating fuel usage. [40 CFR 60.4211.]
- C.15. Test Reports:** The permittee shall prepare and submit reports for all required tests, if any, in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(8), F.A.C.]
- C.16. Operational Data:** If the stationary CI internal combustion engine is equipped with a diesel particulate filter, the owner or operator must keep records of any corrective action taken after the backpressure monitor has notified the owner or operator that the high backpressure limit of the engine is approached. [40 CFR 60.4214(c)].

## **SECTION 4. APPENDICES**

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### **CONTENTS**

The following Appendices are part of this permit and the permittee must comply with the requirements of each appendix.

Appendix A: Abbreviations etc

Appendix H: Permit History

Appendix I: List of Insignificant Activities

Appendix NESHAP, Subpart A – General Provisions.

Appendix NESHAP, Subpart ZZZZ

Appendix NSPS, Subpart A – General Provisions

Appendix NSPS, Subpart IIII

Appendix RR, Facility-Wide Reporting Requirements

Appendix TR, Facility-Wide Testing Requirements

Appendix TV-6, Title V conditions (version dated 02-16-12)

## ABBREVIATIONS, ACRONYMS, CITATIONS AND IDENTIFICATION NUMBERS

**Abbreviations and Acronyms:**

<b>°F:</b> degrees Fahrenheit	<b>kPa:</b> kilopascals
<b>acfm:</b> actual cubic feet per minute	<b>kW:</b> kilowatts
<b>AOR:</b> Annual Operating Report	<b>LAT:</b> Latitude
<b>ARMS:</b> Air Resource Management System (Department's database)	<b>lb:</b> pound
<b>BACT:</b> best available control technology	<b>lbs/hr:</b> pounds per hour
<b>BHP:</b> brake horsepower	<b>LONG:</b> Longitude
<b>Btu:</b> British thermal units	<b>MACT:</b> maximum achievable technology
<b>CAA:</b> Clean Air Act	<b>mm:</b> millimeter
<b>CAAA:</b> Clean Air Act Amendments of 1990	<b>MMBtu:</b> million British thermal units
<b>CAM:</b> compliance assurance monitoring	<b>MSDS:</b> material safety data sheets
<b>CEMS:</b> continuous emissions monitoring system	<b>MW:</b> megawatt
<b>cfm:</b> cubic feet per minute	<b>NESHAP:</b> National Emissions Standards for Hazardous Air Pollutants
<b>CFR:</b> Code of Federal Regulations	<b>NO<sub>x</sub>:</b> nitrogen oxides
<b>CI:</b> compression ignition	<b>NSPS:</b> New Source Performance Standards
<b>CO:</b> carbon monoxide	<b>O&amp;M:</b> operation and maintenance
<b>COMS:</b> continuous opacity monitoring system	<b>O<sub>2</sub>:</b> oxygen
<b>DARM:</b> Division of Air Resource Management	<b>ORIS:</b> Office of Regulatory Information Systems
<b>DCA:</b> Department of Community Affairs	<b>OS:</b> Organic Solvent
<b>DEP:</b> Department of Environmental Protection	<b>Pb:</b> lead
<b>Department:</b> Department of Environmental Protection	<b>PM:</b> particulate matter
<b>dscfm:</b> dry standard cubic feet per minute	<b>PM<sub>10</sub>:</b> particulate matter with a mean aerodynamic diameter of 10 microns or less
<b>EPA:</b> Environmental Protection Agency	<b>PSD:</b> prevention of significant deterioration
<b>ESP:</b> electrostatic precipitator (control system for reducing particulate matter)	<b>psi:</b> pounds per square inch
<b>EU:</b> emissions unit	<b>PTE:</b> potential to emit
<b>F.A.C.:</b> Florida Administrative Code	<b>RACT:</b> reasonably available control technology
<b>F.D.:</b> forced draft	<b>RATA:</b> relative accuracy test audit
<b>F.S.:</b> Florida Statutes	<b>RICE:</b> reciprocating internal combustion engine
<b>FGR:</b> flue gas recirculation	<b>RMP:</b> Risk Management Plan
<b>Fl:</b> fluoride	<b>RO:</b> Responsible Official
<b>ft<sup>2</sup>:</b> square feet	<b>SAM:</b> sulfuric acid mist
<b>ft<sup>3</sup>:</b> cubic feet	<b>scf:</b> standard cubic feet
<b>g:</b> grams	<b>scfm:</b> standard cubic feet per minute
<b>gpm:</b> gallons per minute	<b>SI:</b> spark ignition
<b>gr:</b> grains	<b>SIC:</b> standard industrial classification code
<b>HAP:</b> hazardous air pollutant	<b>SNCR:</b> selective non-catalytic reduction (control system used for reducing emissions of nitrogen oxides)
<b>HP:</b> horsepower	<b>SOA:</b> Specific Operating Agreement
<b>Hg:</b> mercury	<b>SO<sub>2</sub>:</b> sulfur dioxide
<b>ICE:</b> internal combustion engine	<b>TPH:</b> tons per hour
<b>I.D.:</b> induced draft	<b>TPY:</b> tons per year
<b>ID:</b> identification	<b>UTM:</b> Universal Transverse Mercator coordinate system
<b>ISO:</b> International Standards Organization (refers to those conditions at 288 Kelvin, 60% relative humidity and 101.3 kilopascals pressure.)	<b>VE:</b> visible emissions
	<b>VOC:</b> volatile organic compounds
	<b>x:</b> By or times

ABBREVIATIONS, ACRONYMS, CITATIONS AND IDENTIFICATION NUMBERS

**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.

**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

**SECTION 4. APPENDIX H**  
**PERMIT HISTORY**

E.U. ID No.	DESCRIPTION	Permit No.	Effective Date	Project Type
-001	Pump Station S-8 Palm Beach County	0990351-001-AV	05/01/1998	Initial
-001	Pump Station S-8 (changed to) Broward County	0110351-001-AV	05/01/1998	Initial
-002	Pump Station G-404 The initial startup date was October 1999	0990618-001-AG	02/27/2003	Initial
-001, -002	Pump Station S-8 & G-404 Combined and Permit Renewal	0110351-002-AV	02/18/2005	Renewal/Revision
-001, -002	Pump Station S-8 & G-404	0110351-003-AV	11/09/2009	Renewal
-001, -002	Pump Station S-8 & G-404 Construction to add Oxidation Catalysts	0110351-004-AC	05/10/2012	Construction
-001, -002, -003, -004, -005	Pump Station S-8 & G-404 Renew Permit and to Incorporate new regulations to newly regulated EUs (003, and 004) as well as add a new EU (005)	0110351-005-AV	Pending	Renewal/Revision
-005	Pump Station S-8 & G-404 Construction to add new Emergency Generator at Pump Station G-404	0110351-006-AC	Pending	Construction

## SECTION 4. 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.

The below listed emissions units and/or activities are considered insignificant pursuant to Rule 62-213.430(6), F.A.C.

1. Degreasing Units (non-HAP Solvents)
2. Non-Halogenated Solvent Storage & Cleaning
3. Vehicle Refueling Operations and Associated Fuel Storage
4. Distillate Oil Piping System
5. Belt & Drum Sanders
6. Surface Coating Operations
7. Petroleum Lubrication Systems
8. Abrasive Blasting Activities

**SECTION 4. APPENDIX RR****FACILITY-WIDE REPORTING REQUIREMENTS**

(Version Dated 2/13/2014)

**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
EAOR Title V Annual Emissions Fee Invoice and Fee Payment	April 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



**SECTION 4. APPENDIX RR**  
**FACILITY-WIDE REPORTING REQUIREMENTS**

(Version Dated 2/13/2014)

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.

- 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.** 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. [Rules 62-210.370(2) & (3), 62-210.900 and 62-213.440(3)(a)2., F.A.C.]

**RR6. EAOR Title V Annual Emissions Fee Invoice and Fee Payment.** Each Title V source permitted to operate in Florida must pay between January 15 and April 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 March 1 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 April 1. If the fee is not postmarked or electronically submitted by April 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 one 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 years and shall be made available to the Department upon request.
- c. A copy of the EAOR Title V Annual Emissions Fee Invoice generated by the electronic annual operating report (EAOR) application, must be submitted along with the annual emissions fee payment.

**SECTION 4. APPENDIX RR**  
**FACILITY-WIDE REPORTING REQUIREMENTS**

(Version Dated 2/13/2014)

[Rules 62-210.370(3), 62-210.900 and 62-213.205, F.A.C.]

**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(2). 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(2) 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 facility owner shall notify the Department by letter of minor corrections to information contained in a permit. Such notifications shall include:

- a. Typographical errors noted in the permit;
- b. Name, address or phone number change from that in the permit;
- c. A change requiring more frequent monitoring or reporting by the permittee;
- d. A change in ownership or operational control of a facility, subject to the following provisions:
  - (1) The Department determines that no other change in the permit is necessary;
  - (2) 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
  - (3) The new permittee has notified the Department of the effective date of sale or legal transfer.
- e. 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;
- f. 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
- g. Any other similar minor administrative change at the source.

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

- 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.

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- 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. Annual Operating Report for Air Pollutant Emitting Facility [Including Title V Source Emissions Fee Calculation] (DEP Form No. 62-210.900(5)) (Effective 12/31/2013)
- 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)]

**SECTION 4. APPENDIX TR**  
**FACILITY-WIDE TESTING REQUIREMENTS**

(Version Dated 9/12/2008)

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

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sample volume per run shall be 25 dry standard cubic feet.

- 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

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determine the compliance of the emissions unit with applicable emission limiting standards.

- 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.

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- e. *Access to Work Platform.*
  - (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

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- (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.
- (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.**



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- 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.
- 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.]

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**SECTION 4. 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.]

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**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, 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 identified in Rules 62-210.900(1) [Application for Air Permit - Long Form], 62-213.420(3) [Required

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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 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.]

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**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 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;

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- (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
  - (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

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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.

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.

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- 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.



#### **SECTION 4. APPENDIX NSPS, 40 CFR 60, SUBPART A**

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##### **GENERAL PROVISIONS**

The owner or operator shall comply with all applicable provisions of 40 CFR 60 Subpart A, which is available at the following link:

[Link to NSPS Subpart A](#)

#### **SECTION 4. APPENDIX IIII**

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##### **NSPS, 40 CFR 60, SUBPART IIII – STATIONARY COMPRESSION IGNITION INTERNAL COMBUSTION ENGINES**

The new emergency generator (E.U. ID 005) is subject to the applicable requirements of 40 CFR 60, Subpart IIII- Standards of Performance for Stationary Compression Ignition Internal Combustion Engines. The provisions of this Subpart may be provided in full upon request and are also available at the following link:

[Link to NSPS Subpart IIII](#)

#### **SECTION 4. APPENDIX NESHAP, 40 CFR 63, SUBPART A**

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##### **GENERAL PROVISIONS**

The owner or operator shall comply with all applicable provisions of 40 CFR 63 Subpart A, which is available at the following link:

[Link to NESHAP Subpart A](#)

#### **SECTION 4. APPENDIX ZZZZ**

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##### **NESHAP, 40 CFR 63, SUBPART ZZZZ – STATIONARY RECIPROCATING INTERNAL COMBUSTION ENGINES**

The new emergency generator (E.U. ID 005) is subject to the applicable requirements of 40 CFR 63, Subpart ZZZZ--National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. The complete provisions of Subpart ZZZZ may be provided in full upon request and are also available beginning at Section 63.6580 at:

[Link to NESHAP Subpart ZZZZ](#)

## PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMITS

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Florida Department of Environmental Protection  
Division of Air Resource Management, Office of Permitting and Compliance  
Draft/Proposed Title V Air Operation Permit No. 0110351-005-AV  
Draft Air Construction Permit No. 0110351-006-AC  
South Florida Water Management District  
Pump Stations S-8 and G-404  
Broward/Palm Beach County, Florida

**Applicant:** The applicant for this project is South Florida Water Management District. The applicant's responsible official and mailing address are: Michael Gallagher, Bureau Chief, Field Operations South, South Florida Water Management District 3301 Gun Club Road, Dept. 5500, West Palm Beach, Florida 33406.

**Facility Location:** The applicant operates the existing S-8/G-404 pump station, located on the boarder of Broward and Palm Beach Counties on the Miami Canal 15 miles west of Hwy 27 and Pump Station S-7.

**Project:** The applicant applied on March 6, 2014 to the Department for a Title V air operation permit renewal and revision. On May 20, 2014, the Facility requested a 45 day extension to the permit application review period. On July 8, 2014, the Department received a combined application for an air construction permit and an initial/revised/renewed Title V air operation permit. The existing facility consists of the following emissions units at two co-located pump stations—S-8 and G-404:

Pump Station S-8 consists of four 800 hp diesel-fired engines driving four water pumps (EU001), two 380 hp emergency power generators, air compressor/vacuum pump driven by a 45 hp diesel engine, two 25,000 gallon diesel fuel storage tanks, surface coating activities (architectural coating) and other insignificant/exempt activities.

Pump Station G-404 consists of three 440 hp diesel-fired engines driving three water pumps (EU002) with two 12,000 gallon diesel fuel storage tanks.

The project will include incorporating conditions from Permit No. 0110351-004-AC, assigning Emission Unit Numbers to the existing emergency generators and vacuum pump at S-8 into the operating permit, and permitting the construction/installation of a new 5 kw emergency generator at pump station G-404.

**Permitting Authority:** Applications for air construction permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4, 62-210 and 62-212 of the Florida Administrative Code (F.A.C.). The proposed project is not exempt from air permitting requirements and an air permit is required to perform the proposed work.

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 Southeast District Office is the Permitting Authority responsible for making a permit determination for these projects. The Permitting Authority's physical address is: 3301 Gun Club Road; MSC 7210-1; West Palm Beach, FL 33406. The Permitting Authority's mailing address is: 3301 Gun Club Road; MSC 7210-1; West Palm Beach, FL 33406. Email: [sed.air@dep.state.fl.us](mailto:sed.air@dep.state.fl.us) The Permitting Authority's telephone number is (561) 681-6600.

**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 air construction permit, the draft/proposed Title V air operation 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/proposed permits 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

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## PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMITS

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engineer for additional information at the address or phone number listed above.

**Notice of Intent to Issue Air Permit:** The Permitting Authority gives notice of its intent to issue an air construction permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of proposed 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, 62-296 and 62-297, F.A.C. The Permitting Authority will issue a final permit in accordance with the conditions of the proposed draft air construction permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

The Permitting Authority gives notice of its intent to issue a Title V air operation permit to the applicant for the project described above. The applicant has provided reasonable assurance that continued operation of 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 Title V air operation permit in accordance with the conditions of the draft/proposed Title V air operation permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

**Comments:** The Permitting Authority will accept written comments concerning the draft air construction permit for a period of 14 days from the date of publication of the Public Notice. Written comments must be received by the Permitting Authority by close of business (5:00 p.m.) on or before the end of this 14-day period. If written comments received result in a significant change to the draft air construction permit, the Permitting Authority shall revise the draft air construction permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

The Permitting Authority will accept written comments concerning the draft/proposed 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/proposed Title V air operation permit, the Permitting Authority shall issue a revised draft/proposed Title V air operation 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 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 Public Notice or receipt of a written notice, 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.

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## PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMITS

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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 for this proceeding.

**EPA Review:** EPA has agreed to treat the draft/proposed Title V air operation permit as a proposed Title V air operation permit and to perform its 45-day review provided by the law and regulations concurrently with the public comment period, provided that the applicant also transmits an electronic copy of the required proof of publication directly to EPA at the following email address: [oguendo.ana@epa.gov](mailto:oguendo.ana@epa.gov). Although EPA's 45-day review period will be performed concurrently with the public comment period, the deadline for submitting a citizen petition to object to the EPA Administrator will be determined as if EPA's 45-day review period is performed after the public comment period has ended. The final Title V air operation permit will be issued after the conclusion of the 45-day EPA review period so long as no adverse comments are received that result in a different decision or significant change of terms or conditions. The status regarding EPA's 45-day review of this project and the deadline for submitting a citizen petition can be found at the following website address: <http://www.epa.gov/region4/air/permits/florida.htm>.

**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>.



**TECHNICAL EVALUATION  
&  
PRELIMINARY DETERMINATION**

**APPLICANT**

South Florida Water Management District  
3301 Gun Club Road  
West Palm Beach, Florida 33406

Pump Stations S-8 & G-404  
Facility ID No.: 0110351  
Broward/Palm Beach County

**PROJECT**

Project No. 0110351-006-AC  
Application for Minor Source Air Construction Permit  
Construction Permit for G-404 Emergency Generator

**COUNTY**

Broward/Palm Beach County, Florida

**PERMITTING AUTHORITY**

Florida Department of Environmental Protection  
Southeast District Office  
3301 Gun Club Road; MSC 7210-1  
West Palm Beach, Florida 33406

Date



## **1. GENERAL PROJECT INFORMATION**

### **Air Pollution Regulations**

Projects at stationary sources with the potential to emit air pollution are subject to the applicable environmental laws specified in Section 403 of the Florida Statutes (F.S.). The statutes authorize the Department of Environmental Protection (Department) to establish regulations regarding air quality as part of the Florida Administrative Code (F.A.C.), which includes the following applicable chapters: 62-4 (Permits); 62-204 (Air Pollution Control – General Provisions); 62-210 (Stationary Sources – General Requirements); 62-212 (Stationary Sources – Preconstruction Review); 62-213 (Operation Permits for Major Sources of Air Pollution); 62-296 (Stationary Sources - Emission Standards); and 62-297 (Stationary Sources – Emissions Monitoring). Specifically, air construction permits are required pursuant to Chapters 62-4, 62-210 and 62-212, F.A.C.

In addition, the U. S. Environmental Protection Agency (EPA) establishes air quality regulations in Title 40 of the Code of Federal Regulations (CFR). Part 60 specifies New Source Performance Standards (NSPS) for numerous industrial categories. Part 61 specifies National Emission Standards for Hazardous Air Pollutants (NESHAP) based on specific pollutants. Part 63 specifies NESHAP based on the Maximum Achievable Control Technology (MACT) for numerous industrial categories. The Department adopts these federal regulations in Rule 62-204.800, F.A.C.

### **Glossary of Common Terms**

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of this permit.

### **Facility Description and Location**

Pump Stations S-8 & G-404 are two existing stormwater pump stations permitted as one Title V Source, which is categorized under Standard Industrial Classification Code No. 9511. The existing Pump Stations S-8 and G-404 are located on the boarder of Palm Beach and Broward Counties at the junction of canals L-5, L-4, and L-23, 15 miles west of Hwy. 27. The UTM coordinates of the existing facility are Zone Zone 17, 522.3 km East, and 2912.2 km North. This site is in an area that is in attainment (or designated as unclassifiable) for all air pollutants subject to Ambient Air Quality Standards (AAQS).

### **Facility Regulatory Categories**

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility does not operate units subject to the acid rain provisions of the Clean Air Act.
- The facility is a Title V major source of air pollution in accordance with Chapter 62-213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality.

### **Project Description**

Installation of a 5 kW Emergency Generator driven by an 11.1 hp diesel engine. The proposed work will be conducted at the existing G-404 Pump Station co-located with the S-8 Pump Station. The new engine will have fewer emissions than the pre-existing engines, and share the existing 250,000 gallon diesel fuel limitation for the G-404 pump station; therefore, there will be no increase in overall emissions.

### **Processing Schedule**

March 6, 2014	Received the application for a minor source air pollution construction permit.
May 20, 2014	Received request for a 45 day extension to the permit application review period so that the facility can complete and submit a concurrent Air Construction Permit Application to be processed with the Renewal Application.

July 8, 2014

Received Concurrent Air Constuction/Operation Permit application.

## **2. PSD APPLICABILITY**

### **General PSD Applicability**

For areas currently in attainment with the AAQS or areas otherwise designated as unclassifiable, the Department regulates major stationary sources of air pollution in accordance with Florida's PSD preconstruction review program as defined in Rule 62-212.400, F.A.C. Under preconstruction review, the Department first must determine if a project is subject to the PSD requirements ("PSD applicability review") and, if so, must conduct a PSD preconstruction review. A PSD applicability review is required for projects at new and existing major stationary sources. In addition, proposed projects at existing minor sources are subject to a PSD applicability review to determine whether potential emissions *from the proposed project itself* will exceed the PSD major stationary source thresholds. A facility is considered a major stationary source with respect to PSD if it emits or has the potential to emit:

- 5 tons per year or more of lead;
- 250 tons per year or more of any regulated air pollutant; or
- 100 tons per year or more of any regulated air pollutant and the facility belongs to one of the following 28 PSD-major facility categories: fossil fuel-fired steam electric plants of more than 250 million British thermal units per hour heat input, coal cleaning plants (with thermal dryers), Kraft pulp mills, portland cement plants, primary zinc smelters, iron and steel mill plants, primary aluminum ore reduction plants, primary copper smelters, municipal incinerators capable of charging more than 250 tons of refuse per day, hydrofluoric, sulfuric, and nitric acid plants, petroleum refineries, lime plants, phosphate rock processing plants, coke oven batteries, sulfur recovery plants, carbon black plants (furnace process), primary lead smelters, fuel conversion plants, sintering plants, secondary metal production plants, chemical process plants, fossil fuel boilers (or combinations thereof) totaling more than 250 million British thermal units per hour heat input, petroleum storage and transfer units with a total storage capacity exceeding 300,000 barrels, taconite ore processing plants, glass fiber processing plants and charcoal production plants.

Once it is determined that a project is subject to PSD preconstruction review, the project emissions are compared to the "significant emission rates" defined in Rule 62-210.200, F.A.C. for the following pollutants: carbon monoxide (CO); nitrogen oxides (NO<sub>x</sub>); sulfur dioxide (SO<sub>2</sub>); particulate matter (PM); particulate matter with a mean particle diameter of 10 microns or less (PM<sub>10</sub>); particulate matter with a mean particle diameter of 2.5 microns or less (PM<sub>2.5</sub>); volatile organic compounds (VOC); lead (Pb); fluorides (F); sulfuric acid mist (SAM); hydrogen sulfide (H<sub>2</sub>S); total reduced sulfur (TRS), including H<sub>2</sub>S; reduced sulfur compounds, including H<sub>2</sub>S; municipal waste combustor organics measured as total tetra- through octa-chlorinated dibenzo-p-dioxins and dibenzofurans; municipal waste combustor metals measured as particulate matter; municipal waste combustor acid gases measured as SO<sub>2</sub> and hydrogen chloride (HCl); municipal solid waste landfills emissions measured as non-methane organic compounds (NMOC); and mercury (Hg). In addition, significant emissions rate also means any emissions rate or any net emissions increase associated with a major stationary source or major modification which would construct within 10 kilometers of a Class I area and have an impact on such area equal to or greater than 1 µg/m<sup>3</sup>, 24-hour average.

If the potential emission equals or exceeds the defined significant emissions rate of a PSD pollutant, the project is considered "significant" for the pollutant and the applicant must employ the Best Available Control Technology (BACT) to minimize the emissions and evaluate the air quality impacts. Although a facility or project may be *major* with respect to PSD for only one regulated pollutant, it may be required to install BACT controls for several "significant" regulated pollutants.

### **PSD Applicability for Project**

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## TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

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This facility is classified as a Major or Title V Source of air pollution because emissions of at least one regulated air pollutant, such as particulate matter carbon monoxide (CO), nitrogen oxides (NO<sub>x</sub>), (PM/PM<sub>10</sub>), sulfur dioxide (SO<sub>2</sub>), or volatile organic compounds (VOC) exceeds 100 tons per year (TPY). This facility is not within an industry included in the list of the 28 Major Facility Categories per Table 62-212.400-1, F.A.C. The facility is currently operating under Title V Air Operation Permit 0250476-010-AV, which expires on April 20, 2015.

As provided in the application, the following table summarizes potential emissions and PSD applicability for the project.

Table A. Summary of the Applicant's PSD Applicability Analysis

Pollutant	Annual Emissions, Tons/Year				Subject to PSD?
	Baseline Actual	Projected Actual	Increase	Significant Emissions Rate	
CO	257.67	257.67	0	100	No
NO <sub>x</sub>	771.15	771.15	0	40	No
PM	*23.047	*23.047	0	25	No
PM <sub>10</sub>	*23.047	*23.047	0	15	No
PM <sub>2.5</sub>	*23.047	*23.047	0	10	No
SO <sub>2</sub>	20.639	20.639	0	40	No
VOC	25.928	25.928	0	40	No
HAPS	1.759	1.759	0	N/A	N/A

\*Only Total PM is shown,

As shown in the above table, total project emissions will not exceed the PSD significant emissions rates; therefore, the project is not subject to PSD preconstruction review.

### 3. DEPARTMENT REVIEW

#### Brief Discussion of Emissions

Pump Station S-8, Emissions Unit 001, was constructed prior to PSD regulations. PSD regulations do not apply to the S-8 Units. Station G-404 was permitted with a fuel limitation of 250,000 gallons of diesel fuel. This resulted in a net increase of 34 tons per year of NO<sub>x</sub> emissions, below the 40 tons per year Significant Emissions Rate that would have subjected the facility to PSD. The facility will continue to limit fuel consumption to 250,000 gallons per year. The new engine will emit less NO<sub>x</sub> per gallon of fuel consumed, resulting in overall reduction in emissions when the new engine is operating. Because the new engine is for emergency use only, it is expected that decrease in emissions will be insignificant compared to what the G-404 pump engines will emit.

#### State Requirements

The G-404 Pump Station has an existing state required 250,000 gallon per year diesel fuel limitation. This limitation was requested by the facility to escape PSD review.

#### Federal NSPS Provisions

Because the engine was manufactured after January 1, 2014, it will be subject to the requirements of 40 CFR 60 Subpart III. The facility will be required to maintain the engine per manufacturer's recommendations and keep records of the maintenance.

#### Federal NESHAP Provisions

There are no specific NESHAP requirements. Engine complies with 40 CFR 63 Subpart ZZZZ, by complying with 40 CFR 60 Subpart III.

### **Other Draft Permit Requirements**

The new engine will be required to have a non-resettable hour meter, and the facility will have to monitor and track its diesel fuel use to ensure it does not exceed 250,000 gallons per 12-month period. .

### **4. PRELIMINARY DETERMINATION**

The Department makes a preliminary determination that the proposed project will comply with all applicable state and federal air pollution regulations as conditioned by the draft permit. This determination is based on a technical review of the complete application, reasonable assurances provided by the applicant, and the conditions specified in the draft permit. No air quality modeling analysis is required because the project does not result in a significant increase in emissions. Scott D. Trainor is the project engineer responsible for reviewing the application and drafting the permit. Additional details of this analysis may be obtained by contacting the project engineer at the Department's Southeast District Office, 3301 Gun Club Road; MSC 7210-1, West Palm Beach, Florida 33406, phone (561) 681-6600, or by email at [sed.air@dep.state.fl.us](mailto:sed.air@dep.state.fl.us).