



Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, FL 33637-0926

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Jonathan P. Steverson
Secretary

PERMITTEE

Florida Power & Light Company
2400 Port West Blvd.
Riviera Beach, Florida 33407

Air Permit No. 0810024-013-AO
Air Operation Permit

Authorized Representative:
Kevin Gordon, Plant General Manager, Fuel Infrastructure

Port Manatee Oil Storage Facility
Manatee County, Florida

PROJECT

This is the final air operation permit, which authorizes the operation of Florida Power & Light Company (FP&L) Port Manatee Oil Storage Facility, which is an oil storage facility (Standard Industrial Classification No. 4613). This project is for permit renewal. The facility is located in Manatee County at Port Manatee in Palmetto, Florida. The UTM coordinates are Zone 17, 349.06 kilometers (km) East, and 3056.51 km North.

This final permit is organized into the following sections: Section 1 (General Information); Section 2 (Administrative Requirements and Facility-wide Specific Conditions); 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.

Permitting Authority: Applications for air operation permits are subject to review in accordance with the provisions of Chapter 403, Florida Statutes (F.S.) and Chapters 62-4 and 62-210 of the Florida Administrative Code (F.A.C.). The Permitting Authority responsible for making a permit determination for this project is the District Office. The Permitting Authority's physical address is: 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926. The Permitting Authority's mailing address is: 13051 North Telecom Parkway, Temple Terrace, Florida 33637-0926. The Permitting Authority's telephone number is 813-470-5700.

Petitions. A person whose substantial interests are affected by the proposed decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Department's Office of General Counsel, MS #35, 3900 Commonwealth Boulevard, Tallahassee, Florida 32399-3000, Agency_Clerk@dep.state.fl.us. Petitions filed by the applicant or any of the parties listed below must be filed within 14 days of receipt of this notice. Petitions filed by any other person must be filed within 14 days of receipt of this proposed action. A petitioner must mail a copy of the petition to the applicant at the address indicated above, at the time of filing. 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 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 Department'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, and telephone number of the petitioner; the name, address and telephone 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 how and when each petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e)

FINAL AIR OPERATION PERMIT

A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; (f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action; and, (g) A statement of the relief sought by the petitioner, stating precisely the action 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 Department's final action may be different from the position taken by it in this notice. 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.

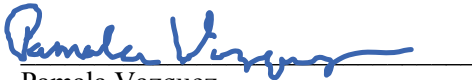
Mediation: Mediation is not available in this proceeding.

Effective Date: This permitting decision is final and effective on the date filed with the clerk of the Permitting Authority unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition pursuant to Rule 62-110.106, F.A.C., and the petition conforms to the content requirements of Rules 28-106.201 and 28-106.301, F.A.C. Upon timely filing of a petition or a request for extension of time, this action will not be effective until further order of the Permitting Authority.

Judicial Review: Any party to this permitting decision (order) has the right to seek judicial review of it under Section 120.68, F.S., 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.

08100024-013-AO Effective Date: April 1, 2016
Renewal Application Due Date: January 31, 2021
Expiration Date: April 1, 2021

Executed in Hillsborough County, Florida.



Pamala Vazquez
Permitting & Waste Cleanup Program Administrator
Southwest District

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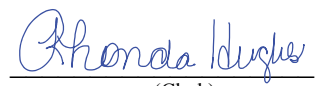
CERTIFICATE OF SERVICE

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.

Kevin Gordon, Florida Power & Light Company, kevin.gordon@fpl.com
Jeffrey Zuczek, Florida Power & Light Company, jeffrey.zuczek@fpl.com
Max Grondahl, Florida DEP Southwest District, max.grondahl@dep.state.fl.us
Danielle Henry, Florida DEP Southwest District, Danielle.D.Henry@dep.state.fl.us

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.


(Clerk)

April 1, 2016
(Date)

SECTION 1. GENERAL INFORMATION

FACILITY DESCRIPTION

The facility receives fuel oil by marine vessels and tanker trucks, stores the fuel oil in storage tanks, and transfers fuel oil via pipeline to Florida Power & Light Company's Manatee Power Plant located east of Parrish. The heaters use an intermediate heat transfer fluid, Therminol 55, to heat the residual fuel oil prior to it being pumped through the pipeline.

The existing facility consists of the following emissions units (EU).

EU No.	Emission Unit Description
003	GTS Energy Fuel Heater Oil Heater
004	Volcanic 1002S Thermal Liquid Heater

APPLICABLE REGULATIONS

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

Regulation	EU No(s).
<i>Federal Rule Citations</i>	
40 CFR 60, Subpart A, NSPS General Provisions	003, 004
40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units	003, 004
<i>State Rule Citations</i>	
Rule 62-210.300, F.A.C., Permits Required	003, 004

EXEMPT EMISSION SOURCES/ACTIVITIES

- One emergency diesel generator constructed or reconstructed before June 12, 2006. It is rated at 75 kW. It is fired with No. 2 fuel oil with a maximum sulfur content of 0.5%, by weight at a maximum heat input rate of 1.05 MMBtu/hour. It uses fuel stored in a 75-gallon day tank which is filled by tanker truck. The SO₂ emissions from this generator, when added to the SO₂ emissions of the other sources at this facility, will not cause the total SO₂ emissions to equal or exceed 100 TPY. The generator is subject to 40 CFR 63, Subpart ZZZZ - National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines and shall comply with all applicable limitations and requirements.
[Rule 62-210.300(3)(a)(35), F.A.C.]
- Two (2) fixed-roof storage tanks each with a capacity of 500,000 barrels that receive No. 6 fuel oil by marine vessels; one (1) fixed-roof storage tank with a capacity of 37,000 barrels that receives No. 6 fuel oil by marine vessels; and one (1) fixed-roof storage tank with a capacity of 5,000 barrels that receives No. 2 fuel oil by tanker truck. Volatile organic compound (VOC) emissions from these storage tanks have been determined to be less than 1 ton/year based on throughput.
[Rule 62-210.300(3)(b)1., F.A.C.]

SECTION 1. GENERAL INFORMATION

FACILITY REGULATORY CLASSIFICATION

- 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 (CAA).
- The facility is not 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.
- This facility is a synthetic non-Title V source for the pollutant sulfur dioxide (SO₂). The restriction on fuel usage in the permit will ensure that SO₂ emissions will be below the threshold for a Title V Source.
- This facility has emission units (EU 003 and EU 004) which are subject to the New Source Performance Standard (NSPS) 40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units and the general provisions of 40 CFR 60, Subpart A, General Standards, where applicable, which have been adopted by reference in Rule 62-204.800(8), F.A.C.

PERMIT HISTORY/AFFECTED PERMITS

This permit replaces Operation Permit No. 0810024-012-AO.

SECTION 2. ADMINISTRATIVE REQUIREMENTS AND FACILITY-WIDE SPECIFIC CONDITIONS

ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Southwest District of the Department of Environmental Protection (Department). The mailing address, phone number and e-mail address is:

Florida Department of Environmental Protection
Southwest District Office
Air and Solid Waste Permitting Program
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926
Telephone: 813-470-5700
E-mail: SWD_Air_Permitting@dep.state.fl.us

All documents related to applications for permits to operate an emissions unit shall be submitted to the above e-mail address and/or address.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Florida Department of Environmental Protection (Department), Southwest District Office's Compliance Assurance Program. The mailing address, phone number and e-mail address is:

Florida Department of Environmental Protection
Southwest District Office
Compliance Assurance Program
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926
Telephone: 813-470-5700
E-mail: SWD_Air@dep.state.fl.us

3. Appendices: The following Appendices are attached as a part of this permit: Appendix A (Citation Formats and Glossary of Common Terms); Appendix B (General Conditions); Appendix C (Common Conditions); and Appendix D (Common Testing Requirements); Appendix E (40 CFR 60, Subpart A, General Provisions); and Appendix F (40 CFR 60, Subpart Dc, Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units).
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: 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.]

SECTION 2. ADMINISTRATIVE REQUIREMENTS AND FACILITY-WIDE SPECIFIC CONDITIONS

7. **Renewal.** Prior to 60 days before the expiration date of this permit, the permittee shall apply for a renewal of the permit. A renewal application shall be timely and sufficient. If the application is submitted prior to 60 days before expiration of the permit, it will be considered timely and sufficient. If the renewal application is submitted at a later date, it will not be considered timely and sufficient unless it is submitted and made complete prior to the expiration of the operation permit. When the application for renewal is timely and sufficient, the existing permit shall remain in effect until the renewal application has been finally acted upon by the Department. To properly apply for an operation permit, the applicant shall submit the following:
- a. the appropriate permit application form (*see current version of Rule 62-210.900, F.A.C. (Forms and Instructions), and/or FDEP Division of Air Resource Management website at: <http://www.dep.state.fl.us/air/>*);
 - b. the appropriate operation permit application fee from Rule 62-4.050(4)(a), F.A.C.; and
 - c. copies of the most recent month of records/logs specified in Specific Condition No. A.6.

[Rules 62-4.090, 62-210.300(2), and 62-210.900, F.A.C.]

8. **Annual Operating Report (AOR):** The information required by the Annual Operating Report for Air Pollutant Emitting Facility (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 (DEP) District Office. All synthetic non-Title V sources shall submit a completed DEP Form 62-210.900(5) unless the annual operating report is submitted using the DEP's electronic annual operating report software. Emissions shall be computed in accordance with the provisions of subsection 62-210.370(2), F.A.C.

[Rule 62-210.370(3), F.A.C.]

{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.}

FACILITY-WIDE REQUIREMENTS

9. **Precautions for Unconfined Particulate Matter** -All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter. In addition to precautions listed in Appendix C., paragraph 9, reasonable precautions shall include the following:
- a. use of temporary enclosures when necessary in order to contain abrasive blasting material from maintenance activities;
 - b. maintenance of paved areas as needed; and
 - c. limiting vehicle speed on unpaved roads.

[Rule 62-296.320(4)(c), F.A.C.; Construction Permit No. 0810024-011-AC]

10. **Fugitive Emissions Opacity Standard** - As an indicator that the precautions to control unconfined particulate matter emissions as required by Specific Condition No. 9 are adequate, emissions of unconfined particulate matter from the facility should not exceed five (5%) percent opacity. If this value is exceeded, it shall not be a violation in and of itself, but an indication that additional control precautions and/or work practices beyond those of Specific Condition No. 9. may be necessary.

[Rule 62-4.070(3), F.A.C.; Construction Permit No. 0810024-011-AC]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

A. EU 003 – GTS Energy Fuel Oil Heater and EU 004 – Volcanic 1002S Thermal Liquid Heater

This section of the permit addresses the following emissions units.

EU No.	Emission Unit Description
003	The GTS Energy Model DEG145 fuel oil heater, designated as Heater H-1243-B, is fired at a maximum heat input rate of 12.5 MMBtu/hour with natural gas or No. 2 fuel oil with a maximum sulfur content of 0.5%.
004	The Volcanic 1002S thermal liquid heater, designated as Heater H-1254-A, is fired at a maximum heat input rate of 15 MMBtu/hour with natural gas or No. 2 fuel oil with a maximum sulfur content of 0.5%.

FEDERAL REGULATIONS

- A.1. Federal Regulatory Requirements: These emission units are subject to 40 CFR 60, Subpart Dc – Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units (see Appendix F) and Subpart A - General Provisions (see Appendix E), which are adopted by reference in Rule 62-204.800, F.A.C. The applicable provisions of Subpart Dc, based on Federal Register version dated February 16, 2012, are listed below:

40 CFR 60, Subpart Dc - Standards of Performance for Small Industrial-Commercial-Institutional Steam Generating Units

(Note: Entire section applies unless otherwise noted with specific applicable subsection references)

§ 60.40c Applicability.

§ 60.41c Definitions.

§ 60.42c Standard for sulfur dioxide (SO₂).

§ 60.42c(d), (h) and (i)

§ 60.44c Compliance and performance test methods and procedures for sulfur dioxide.

§ 60.44c(g) and (h)

§ 60.46c Emission monitoring for sulfur dioxide.

§ 60.46c(d)(2) and (e)

§ 60.48c Reporting and recordkeeping requirements.

§ 60.48c(a), (d), (e)(1) and (11), (f)(1), (g)(1), (i), and (j)

[Rule 62-204.800(8), F.A.C.; 40 CFR 60, Subpart Dc]

PERFORMANCE RESTRICTIONS

- A.2. Authorized Fuels: The following fuels are allowed:

a. Natural gas; and

b. No. 2 fuel oil with a maximum sulfur content of 0.5% sulfur, by weight.

[40 CFR 60.42c(d), Rule 62-210.200(PTE), F.A.C., Construction Permit No. 0810024-011-AC]

- A.3. Fuel Usage Limitations: No. 2 fuel oil usage shall be limited to a maximum of:

a. EU 003 – 805,100 gallons/any consecutive 12 month period; and

b. EU 004 – 966,200 gallons/any consecutive 12 month period.

[Rule 62-210.200(PTE), F.A.C. and Construction Permit No. 0810024-011-AC]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

A. EU 003 – GTS Energy Fuel Oil Heater and EU 004 – Volcanic 1002S Thermal Liquid Heater

- A.4. Restricted Operation: The hours of operation of each heater are not limited (8760 hours per year).
[Rules 62-4.070(3), 62-210.200(PTE), F.A.C. and Construction Permit No. 0810024-011-AC]

MONITORING REQUIREMENTS

- A.5. Fuel Monitoring - To demonstrate compliance with Specific Condition No. A.2.b., the following shall apply:
- a. the oil in the fuel tank shall be sampled after each new shipment of oil is received, as described under 40 CFR 60.46c(d)(2); or
 - b. a certification from the fuel supplier, as described in 40 CFR 60.48c(f)(1), shall be obtained.
[40 CFR 60.44c(g) and (h)]

RECORDS AND REPORTS

- A.6 Operating Recordkeeping Requirements - In order to demonstrate compliance with Specific Condition Nos. A.2. and A.3., the permittee shall record the following for each heater:

DAILY

- a. facility name, facility ID No., date (mm/dd/yr), emission unit ID No., and description (e.g., FP&L Port Manatee Oil Storage Facility, 0810024, EU 003, GTS Energy fuel oil heater);
- b. type of each fuel used (natural gas or No. 2 fuel oil);
- c. total quantity of each fuel type used;

MONTHLY

- d. facility name, facility ID No., date (mm/yr), emission unit ID No., and description (e.g., FP&L Port Manatee Oil Storage Facility, 0810024, EU 003, GTS Energy fuel oil heater);
- e. total amount of each type of fuel used (natural gas or No. 2 fuel oil); and
- f. most recent consecutive 12 month rolling total amount of each fuel type used (natural gas or No. 2 fuel oil).

These records shall be maintained at the facility for at least 3 years and made available to the Department upon request. Daily records shall be completed within 3 working days and monthly records shall be completed within 15 calendar days of the following month.

[40 CFR 60.48c(g)(1) and 40 CFR 60.48c(i); Construction Permit No. 0810024-011-AC]

- A.7. Semi-Annual Reporting – A report meeting the requirements of 40 CFR 60.48c(e), shall be sent to the Compliance Authority every six months. The reporting period is defined by the Department as from January 1 to June 30 & from July 1 to December 31 of each calendar year. If fuel supplier certification is used to demonstrate compliance (see Specific Condition A.5.b.) the report shall include a certified statement signed by the owner or operator that the records of fuel supplier certifications submitted represent all of the fuel combusted during the reporting period. The reports shall be postmarked by the 30th day following the end of the reporting period.
[40 CFR 60.48c; Construction Permit No. 0810024-011-AC]