

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION
NOTICE OF PERMIT

In the Matter of an
Application for Permit by:


Mr. Timothy Bates, Director
Energy Supply
City of Lakeland, Electric Utilities
501 E. Lemon Street
Lakeland, Florida 33801-5079

DEP File No. 1050003-012-AC
PSD Permit No. PSD-FL-166D
Charles Larsen Memorial Power Plant
Combined Cycle Unit No. 8
Peak Mode Operation and Turbine Upgrades
Polk County, Florida

Enclosed is the Final Permit Number 1050003-012-AC (PSD-FL-166D) for an air construction permit to authorize peak mode operation and the installation of the high-pressure brush seals to minimize air leakage from the compressor to the combustor for the existing combined cycle combustion turbine Unit 8. This permit is issued pursuant to Chapter 403, Florida Statutes.

Any party to this order (permit) has the right to seek judicial review of the permit pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Legal Office; 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 of Appeal must be filed within 30 (thirty) days from the date this Notice is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.



Trina L. Vielhauer, Chief
Bureau of Air Regulation

CERTIFICATE OF SERVICE

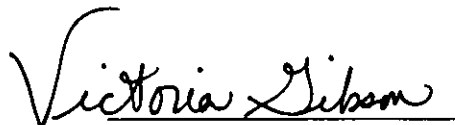
The undersigned duly designated deputy agency clerk hereby certifies that this NOTICE OF FINAL PERMIT (including the FINAL permit) was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on

12/9/03 to the person(s) listed:

Timothy Bates, Lakeland Electric*
Farzie Shelton, Lakeland Electric
Ken Kosky P.E., Golder Associates
Gerald Kissel, DEP SWD
Jim Little, EPA Region 4 Office

Clerk Stamp

FILING AND ACKNOWLEDGMENT FILED, on this date,
pursuant to §120.52, Florida Statutes, with the designated
Department Clerk, receipt of which is hereby acknowledged.


(Clerk)

12/9/03
(Date)

FINAL DETERMINATION

Lakeland Electric Charles Larsen Power Plant, Polk County
Unit 8 Peak Mode Operation/Turbine Upgrade Project
DEP File No: 1050003-012-AC (PSD-FL-166D)

An Intent to Issue an air construction permit to authorize peak mode operation and to upgrade certain components of the Unit 8 combustion turbine at the Lakeland Electric, Charles Larsen Memorial Power Plant was distributed on October 23, 2003. This facility is located at 2002 Hwy 92 East, Lakeland, Polk County, Florida.

The Public Notice of Intent to Issue Air Construction Permit was published in The Ledger on October 31, 2003. The following comments were filed by the applicant as a result of the Public Notice period. These comments are keyed to the permit specific conditions No. 1, No. 7 and No.10.

Condition 1.

The applicant requested a limit of 2 grains of sulfur per 100 dry standard cubic feet of natural gas (2 gr S/100 scf) in the application. This was not reflected in the draft permit. The pipeline gas almost always contains less than 1 gr S/100 scf. The sulfur concentration is occasionally higher due to allowable (if not required) addition of odorants (mercaptans) by pipeline operators to levels as high as 10 gr/100 scf for safety purposes. There is no practical effect of raising the permitted sulfur limit since Lakeland relies on the same gas suppliers (Gulfstream and FGT) and distributors who supply the rest of the state with the same initially low sulfur natural gas. The revision will further reduce the probability of an exceedance beyond the control of Lakeland Electric and with little potential for harm. Per Lakeland's comments, Condition 1 is finalized as follows:

1. Emission Limitations and Standards: Unit No. 8 is subject to the following emissions limits under base load and peaking modes. Emissions limits are corrected to 15% oxygen.

Operating Mode	NO _x	SO ₂	CO	VOC	PM	VE
Peaking (Gas)	25 ppmvd 115 lb/hr	+ 2 gr S/100 scf 3.5 lb/hr	25 ppmvd 63 lb/hr	1.4 ppmvd 2.1 lb/hr	0.006 lb/MM Btu 7 lb/hr	10% Opacity
Base Load (Gas)	25 ppmvd 107 lb/hr	0.0019 lb/MMBtu 2.1 lb/hr <u>2 gr S/100 scf</u> <u>3.5 lb/hr</u>	25 ppmvd 59 lb/hr	0.0018 lb/MMBtu 1.9 lb/hr	0.006 lb/MM Btu 6.5 lb/hr	10% Opacity
Total, Gas	425 TPY	12.9 TPY	232 TPY	9 TPY	22 TPY	---
Peaking (Fuel Oil)	42 ppmvd 192 lb/hr	0.20% Sulfur 234 lb/hr	25 ppmvd 64 lb/hr	3.5 ppmvd 5.1 lb/hr	0.025 lb/MM Btu 29 lb/hr	10% Opacity
Base Load (Fuel Oil)	42 ppmvd 180 lb/hr	0.20 % Sulfur 215 lb/hr	25 ppmvd 60 lb/hr	0.0045 lb/MMBtu 4.8 lb/hr	0.025 lb/MM Btu 27 lb/hr	10% Opacity
Total, Oil	244 TPY	316 TPY	79 TPY	6.7 TPY	22 TPY	---

Condition 7.

The applicant requested to use EPA Method 7E as an option to EPA Method 7 to demonstrate compliance with the NO_x limits. The proposed method is already approved in the Title V permit. However, the Department will clarify in the present permit that it can be used to show compliance with the revised NO_x limits. The Department will also clarify that NO_x mass emission rates must be expressed as NO_x (NO₂ equivalent), consistent with EPA Method 7. Condition 7 is finalized as follows:

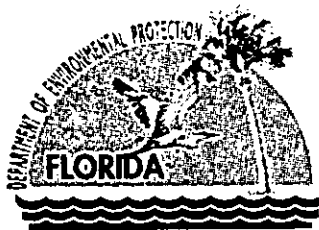
7. Nitrogen Oxides (NO_x): NO_x emissions shall be determined by conducting EPA Reference Method **7 or 7E**, "Determination of Nitrogen Oxides Emissions from Stationary Sources."

Condition 10.

The applicant pointed out that the original PSD permit and the Title V permit have not required VOC testing as long as the CO emissions limits are met. Peaking mode tends to reduce both CO and VOC because firing temperatures are increased. To reduce NO_x emissions, water or steam is injected tending to increase CO and possibly VOC emissions. Any increases in VOC will not be significant with respect to PSD and BACT applicability. The Department agrees that the present requirement to test for CO is sufficient for this non-PSD modification. Condition 10 is finalized as follows:

10. **Volatile Organic Compounds (VOC):** VOC emissions shall be determined by conducting EPA Reference Method 25A, "Determination of Volatile Organic Emissions from Stationary Sources." The permittee may also elect to conduct EPA Reference Method 18 on a concurrent sample to determine emissions of methane and ethane, which may be excluded from the determination of VOC emissions as determined by EPA Method 25A. Otherwise, all organic compounds measured by EPA Method 25A are assumed to be regulated VOC emissions. **Testing for VOCs is not required as long as the emissions of CO meet the limits in Specific Condition 5.**

The final action of the Department will be to issue the permit with the changes detailed above.



Jeb Bush
Governor

Department of Environmental Protection

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David B. Struhs
Secretary

PERMITTEE:

City of Lakeland, Electric Utilities
501 E. Lemon Street
Lakeland, Florida 33801-5079

Authorized Representative:

Timothy Bates, Director Energy Supply

DEP File No. 1050003-012-AC
PSD Permit No. PSD-FL-166(D)
Unit 8 Peak Mode/Turbine Upgrade Project
SIC No. 4911
Expires: June 30, 2004

PROJECT AND LOCATION:

This permit authorizes peak mode operation and the installation of the high-pressure brush seals to minimize air leakage from the compressor to the combustor for the existing combined cycle combustion turbine. The unit is a 120 MW combined cycle General Electric PG7111EA combustion turbine-electrical generator designated as Larsen Unit No. 8. Unit 8 fires natural gas as the primary fuel and distillate oil as a limited alternate fuel. Peak mode operation is authorized for up to 3000 hours per year, of which no more than 500 hours per year may occur when firing distillate oil.

Unit 8 is installed at the City of Lakeland's existing Charles Larsen Memorial Power Plant, which is located in Lakeland at 2002 East Highway 92 East in Polk County, Florida.

The UTM coordinates are: Zone 17; 408.9 km E and 3102.5 km N.

STATEMENT OF BASIS:

This 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 above named permittee is authorized to modify the facility in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department of Environmental Protection (Department).

CONTENTS

- Section 1. General Information
- Section 2. Administrative Requirements
- Section 3. Emissions Units Specific Conditions
- Section 4. Appendices

Michael G. Cooke, Director
Division of Air Resources Management

Charles Larsen Memorial Power Plant
Unit 8 Peak Mode/Turbine Upgrade Project

DEP File No. 1050003-012-AC
PSD Permit No. PSD-FL-166D

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Printed on recycled paper.

SECTION 1. GENERAL INFORMATION

FACILITY AND PROJECT DESCRIPTION

This facility consists of two fossil fuel-fired steam generators, one combined (or simple) cycle combustion turbine and two simple cycle gas turbine peaking units. Natural gas and oil are the primary fuels. The existing facility includes the following regulated emissions units.

Emission Unit No.	Brief Description
-003	Fossil Fuel Fired Steam Generator #6
-004	Fossil Fuel Fired Steam Generator #7
-005	Peaking Gas Turbine #3
-006	Peaking Gas Turbine #2
-008	Combined (or Simple Cycle) Combustion Turbine 8

This permit authorizes installation of high-pressure brush seals, operation in peaking mode, and modifies emissions limits accordingly on existing Emission Unit No. 008, Combined (or Simple Cycle) Combustion Turbine 8.

REGULATORY CLASSIFICATION

Title III: Based on the Title V Air Operation Permit Renewal application received June 19, 2002 and the Construction Application received on April 1, 2003, this facility is not a major source of hazardous air pollutants (HAPs).

Title IV: The existing facility has two units subject to the acid rain provisions of the Clean Air Act.

Title V: The existing facility is a Title V major source of air pollution in accordance with Chapter 213, F.A.C.

PSD: The existing facility is a PSD-major source of air pollution in accordance with Rule 62-212.400, F.A.C.

NSPS: The existing facility operates units subject to the New Source Performance Standards of 40 CFR 60.

RELEVANT DOCUMENTS

The permit application and additional information received to make it complete are not a part of this permit; however, the information is specifically related to this permitting action and is on file with the Department.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: All documents related to applications for permits regarding construction and operation shall be submitted to the Bureau of Air Regulation of the Florida Department of Environmental Protection (DEP) at 2600 Blair Stone Road (MS #5505), Tallahassee, Florida 32399-2400. Copies of all such documents shall also be sent to the Air Resources Section of Department's Southwest District Office at 3804 Coconut Palm Drive, Tampa, Florida 33619-8218.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Air Resources Section of Air Resources Section of Department's Southwest District Office at 3804 Coconut Palm Drive, Tampa, Florida 33619-8218.
3. Citation Format: Appendix A identifies the formats used in the permit for citing applicable requirements.
4. General Conditions: Appendix B specifies the general conditions applicable to all permits.
5. Applicable Regulations, Forms and Application Procedures: Unless otherwise indicated in this permit, the construction and operation of the subject emissions unit shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403 of the Florida Statutes (F.S.); Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.); and Title 40, Part 60 of the Code of Federal Regulations (CFR), adopted by reference in Rule 62-204.800, F.A.C. The terms used in this permit have specific meanings as defined in the applicable chapters of the Florida Administrative Code. The permittee shall use the applicable forms listed in Rule 62-210.900, F.A.C. and follow the application procedures in Chapter 62-4, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations. [Rules 62-204.800, 62-210.300 and 62-210.900, F.A.C.]
6. 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.]
7. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No emissions unit or facility subject to this permit shall be constructed or 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.]
8. Title V Permit: This permit authorizes modification of the permitted emissions units and initial operation to determine compliance with Department rules. A Title V operation permit is required for regular operation of the permitted emissions unit. The permittee shall apply for a Title V operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation. To apply for a Title V operation permit, the applicant shall submit the appropriate application form, compliance test results, and such additional information as the Department may by law require. The application shall be submitted to the appropriate Permitting Authority with copies to the Compliance Authority. [Rules 62-4.030, 62-4.050, 62-4.220, and Chapter 62-213, F.A.C.] [Chapter 62-213, F.A.C.]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

A. EU-008 – Combined Cycle Unit 8

This section of the permit addresses the following existing emissions unit.

Emissions Unit No. 008

The emission unit is a 120 megawatt combined (or simple cycle) combustion turbine with a heat recovery steam generator (HRSG) designated as Larsen Unit No. 8. The combustion turbine fires natural gas as the primary fuel and No. 2 distillate oil with a maximum sulfur content of 0.20 percent by weight as a limited auxiliary fuel. The combustion turbine is a GE Model PG7111 Frame 7EA unit equipped with water injection to reduce nitrogen oxides emissions, an inlet fogger system, and will be authorized by this action to operate in peaking mode. The HRSG powers an existing steam turbine. The emissions unit can exhaust through the HRSG or through a by-pass stack. Unit 8 began commercial service in July, 1992.

{Permitting Note: This emission unit is subject to the requirements of previous PSD Permit No. PSD-FL-166 (as amended) and current Title V air operation Permit No. 0310157-011-AV.}

PREVIOUS APPLICABLE REQUIREMENTS

1. Other Permits: The conditions of this permit supplement all previously issued air construction and operation permits for this emissions unit. Unless otherwise specified, these conditions are in addition to all other applicable permit conditions and regulatory requirements. The permittee shall continue to comply with the conditions of these permits, which include restrictions and standards regarding capacities, production, operation, fuels, emissions, monitoring, record keeping, reporting, etc. [Rule 62-4.070, F.A.C.]

AUTHORIZED WORK

2. Installation/Upgrade: The permittee is authorized to conduct an upgrade consisting of installation of a high-pressure packing seal that regulates the flow of compressor air between various internal components.

{Permitting Note: The new systems will minimize the amount of air required for cooling and increase the amount available for work in the cycle. This will increase the heat input and power output capacity of the unit.}

[Applicant Request; Design; Rule 62-210.200(PTE), F.A.C.]

AUTHORIZED OPERATION

3. Base Load Heat Input: Following installation of the high-pressure seals, the maximum base load process/operation rate, at an inlet temperature of 25 degrees F, shall not exceed 1075 MMBtu per hour (lower heating value) heat input firing natural gas or 1060 MMBtu per hour (lower heating value) heat input firing No. 2 distillate oil. [Applicant Request; Design]

{Permitting Note: For reference, the unit was previously limited by Permit No. PSD-FL-166 (as amended) and Specific Condition D.1 in Section III of Title V Operation Permit 1050003-011-AV.}

4. Peaking Mode Heat Input: Following installation of the high-pressure seals, the gas turbine may operate in a high-temperature peaking mode to generate additional electrical power. During any consecutive 12 months, Unit 8 shall operate in peaking mode no more than 3000 hours, of which a maximum of 500 hours can be while firing fuel oil.

During peak mode operation, the maximum base load process/operation rate, at an inlet temperature of 25 degrees F, shall not exceed 1161 MMBtu per hour (lower heating value) heat input firing natural gas or 1149 MMBtu per hour (lower heating value) heat input firing No. 2 distillate oil.

[Applicant Request; Design; Rule 62-210.200(PTE), F.A.C.]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

A. EU-008 – Combined Cycle Unit 8

EMISSION LIMITATIONS

5. Emission Limitations and Standards: Unit No. 8 is subject to the following emissions limits under base load and peaking modes. Emissions limits are corrected to 15% oxygen.

Operating Mode	NO _x	SO ₂	CO	VOC	PM	VE
Peaking (Gas)	25 ppmvd 115 lb/hr	2 gr S/100 scf 3.5 lb/hr	25 ppmvd 63 lb/hr	1.4 ppmvd 2.1 lb/hr	0.006 lb/MM Btu 7 lb/hr	10% Opacity
Base Load (Gas)	25 ppmvd 107 lb/hr	2 gr S/100 scf 3.5 lb/hr	25 ppmvd 59 lb/hr	0.0018 lb/MMBtu 1.9 lb/hr	0.006 lb/MM Btu 6.5 lb/hr	10% Opacity
Total, Gas	425 TPY	12.9 TPY	232 TPY	9 TPY	22 TPY	---
Peaking (Fuel Oil)	42 ppmvd 192 lb/hr	0.20% Sulfur 234 lb/hr	25 ppmvd 64 lb/hr	3.5 ppmvd 5.1 lb/hr	0.025 lb/MM Btu 29 lb/hr	10% Opacity
Base Load (Fuel Oil)	42 ppmvd 180 lb/hr	0.20 % Sulfur 215 lb/hr	25 ppmvd 60 lb/hr	0.0045 lb/MMBtu 4.8 lb/hr	0.025 lb/MM Btu 27 lb/hr	10% Opacity
Total, Oil	244 TPY	316 TPY	79 TPY	6.7 TPY	22 TPY	---

{Permitting Note: The revisions of mass emission rates (lb/hour) account for additional heat input. The revision to the SO₂ mass emission rates also account for a maximum permitted sulfur content of natural gas not to exceed 2 grain per 100 standard cubic feet of gas. In accordance with air construction Permit 1050003-007-AC (PSD-FL-166C), no limitations or test requirements are set for beryllium, mercury, or lead.}

COMPLIANCE DETERMINATION

6. Testing Requirement: Within 180 days after installation of the high-pressure brush seals, the permittee shall demonstrate initial compliance with the emissions limitations and standards specified for peaking mode operation and revised base load operation by conducting tests using the EPA reference methods provided in 40 CFR 60, Appendix A, and adopted by reference in Chapter 62-204.800, F.A.C. Tests shall be conducted on both natural gas and distillate oil. Thereafter, the testing requirements for each pollutant shall be determined in the same manner and frequency as specified in Title V air operation Permit No. 1050003-011-AV.

[Rules 62-4.070(3) and 62-297.310(7)(a)1, F.A.C.]

TEST METHODS AND PROCEDURES:

The following reference methods shall be used to demonstrate compliance. No other test methods may be used for compliance testing unless prior Department approval is received in writing.

7. Nitrogen Oxides (NO_x): NO_x emissions shall be determined by conducting EPA Reference Method 7 or 7E, "Determination of Nitrogen Oxides Emissions from Stationary Sources."

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

A. EU-008 – Combined Cycle Unit 8

8. Particulate Matter/Opacity: The stack opacity shall be determined by conducting EPA Reference Method 9, "Visual Determination of the Opacity of Emissions from Stationary Sources." This test shall serve as a surrogate for particulate matter compliance testing. If 10% opacity is exceeded, the Department may require the permittee to determine particulate matter emissions by conducting EPA Reference Methods 5, 5B or 17, "Determination of Particulate Matter Emissions from Stationary Sources."
9. Carbon Monoxide (CO): CO emissions shall be determined by conducting EPA Reference Method 10, "Determination of Carbon Monoxide Emissions from Stationary Sources."
10. Volatile Organic Compounds (VOC): VOC emissions shall be determined by conducting EPA Reference Method 25A, "Determination of Volatile Organic Emissions from Stationary Sources." The permittee may also elect to conduct EPA Reference Method 18 on a concurrent sample to determine emissions of methane and ethane, which may be excluded from the determination of VOC emissions as determined by EPA Method 25A. Otherwise, all organic compounds measured by EPA Method 25A are assumed to be regulated VOC emissions. Testing for VOCs is not required as long as the emissions of CO meet the limits in Specific Condition 5.
11. Sulfur Dioxide: Compliance with the distillate oil sulfur standard ($\leq 0.20\%$ sulfur by weight) shall be determined by ASTM D 2880-96 or the most recently approved version (incorporated by reference; see 40 CFR 60.17).

{Permitting Note: No. 2 distillate oil is only supplied with intermediate bulk storage. A custom fuel monitoring schedule has been established for natural gas. Refer to Specific Conditions D.22, D.24 and D.30 in Section III of Title V air operation Permit No. 1050003-011-AV.}

[Permit No. PSD-FL-166 and Title V air operation Permit No. 1050003-011-AV]

RECORDS AND REPORTS

12. 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. At a minimum, the test report shall provide the information specified in Rule 62-297.310(8), F.A.C. [Rule 62-297.310(8), F.A.C.]
13. Hours of Operation: The applicant shall record the hours of operation for each fuel type and for operation in peaking mode. [Rule 62-4.070(3), F.A.C.]
14. Future Emissions: The owner or operator shall submit to the Department on an annual basis, for a period of 5 years representative of normal post-change operations of the unit, within the period not longer than 10 years following the change, information demonstrating that the physical or operational change did not result in an emissions increase. The definition of "representative actual annual emissions" found in 40 CFR 52.21(b)(33), adopted and incorporated by reference in Rule 62-204.800, F.A.C.

SECTION 4. APPENDICES
CONTENTS

Appendix A. Citation Formats
Appendix B. General Conditions

SECTION 4. APPENDIX A

CITATION FORMATS

The following examples illustrate the format used in the permit to identify applicable permitting actions and regulations.

REFERENCES TO PREVIOUS PERMITTING ACTIONS

Old Permit Numbers

Example: Permit No. AC50-123456 or Air 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
"001" identifies the specific permit project
"AC" identifies the permit as an air construction permit
"AF" identifies the permit as a minor federally enforceable state operation permit
"AO" identifies the permit as a minor source air operation permit
"AV" identifies the permit as a Title V Major Source Air Operation Permit

PSD Permit Numbers

Example: Permit No. PSD-FL-317

Where: "PSD" means issued pursuant to 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

RULE CITATION FORMATS

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 B
GENERAL CONDITIONS

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

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 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.

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

SECTION 4. APPENDIX B
GENERAL CONDITIONS

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 (Not Applicable, covered in previous permits);
 - b. Determination of Prevention of Significant Deterioration (Not Applicable, covered in previous permits); and
 - c. Compliance with New Source Performance Standards (Not Applicable, covered in previous permits).
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.



Florida
Department of
Environmental Protection

Jeb Bush
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

David Struhs
Secretary

F A X T R A N S M I T T A L S H E E T

DATE: 12/9/03
TO: Ms. Farzie Shelton
PHONE: _____

FAX: 863-834-8187

FROM: Trina Vielhaber

PHONE: 850-921-9503

Division of Air Resources Management

FAX: 850.922.6979

RE: Larson - Cycle Unit 8

CC: _____

Total number of pages including cover sheet: 14

Message

If there are any problems with this fax transmittal, please call the above phone number.

"Protect, Conserve, and Manage Florida's Environmental and Natural Resources"

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Sent 12/9/03 @ 12⁵⁵ PM - VH

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- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Timothy Bates, Director
Energy Supply
City of Lakeland Electric Utility
501 E. Lemon Street
Lakeland, FL 33801-5079

2. Article Number (Copy from service label)

PS

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) B. Date of Delivery

12/11

C. Signature

X

Steven D. Harris

☐ Agent☐ Addressee

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☐ Yes

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Timothy Bates

Street, Apt. No., or PO Box No.

501 E. Lemon St.

City, State, ZIP+4



Lakeland, FL 33801-5079

PS Form 3800, May 2000

See Reverse for Instructions

Memorandum

Florida Department of Environmental Protection

TO: Michael G. Cooke, Director
THRU: Trina L. Vielhauer, Bureau Chief 
Al Linero, Administrator NSRS 
FROM: Teresa Heron
DATE: November 25, 2003
SUBJECT: City of Lakeland - Larsen Combined Cycle Unit No. 8
DEP File No. 1050003-012-AC / PSD-FL-166D

Attached is the final permit package for a project to add peak mode operation and turbine upgrades for combined cycle Unit No. 8 at the City of Lakeland's Charles Larsen Memorial Power Plant.

Annual emissions will increase because the heat rate through the units will increase during peak mode operation. However, the annual emissions increases will be below the PSD significant emission rates. Maximum short-term emissions (lb/hour) will increase slightly, but the emissions concentrations (ppmvd) will remain unaffected.

We recommend your approval and signature of this project.

AAL/th

Attachments