



Department of Environmental Protection

Jeb Bush
Governor

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

Colleen M. Castille
Secretary

November 19, 2004

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

Re: Revised Air Construction Permit, DRAFT Permit No.: 1050352-004-AC
Title V Air Operation Permit, Revised DRAFT Permit No.: 1050352-002-AV
Winston Peaking Station

Dear Mr. Bates:

One copy of the combined Public Notice, the Revised Draft Air Construction Permit, and the Revised DRAFT Title V Air Operation Permit for the Winston Peaking Station, located at 1200 Airport Road, Lakeland, Polk County, is enclosed. The permitting authority's "INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT" and the "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT" are also included. These REVISED DRAFT permits are being issued due to the fact that comments received on the previous DRAFT permits resulted in changes that were considered significant enough to require a new public notice. In order to remove conflicts between the conditions that limit potential emissions, the fuel quantity limitations were removed from the permit. Potential emissions are still limited by hourly heat input limits for each fuel, annual hours of operation limits for each fuel, and hourly and annual emissions limits. Because the attachments to the DRAFT permits were not affected by the changes, only the body of the DRAFT permits are being reissued to show the changes.

An electronic version of the DRAFT Permits have been posted on the Division of Air Resources Management's World Wide Web site for the United States Environmental Protection Agency (USEPA) Region 4 office's review. The web site address is:

"<http://www.dep.state.fl.us/air/eproducts/airpermit/AirSearch.asp>"

The "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT" must be published as soon as possible. Proof of publication, i.e., newspaper affidavit, must be provided to the permitting authority's office within 7 (seven) days of publication pursuant to Rule 62-110.106(5), F.A.C. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permits pursuant to Rule 62-110.106(11), F.A.C.

"More Protection, Less Process"

Printed on recycled paper.

Please submit any written comments you wish to have considered concerning the permitting authority's proposed action to Jonathan Holtom, P.E., at the above letterhead address. If you have any other questions, please contact Jonathan Holtom, P.E., at (850) 921-9531.

Sincerely,



Trina L. Vielhauer
Chief, Bureau of Air Regulation

TLV/jkp/h

Enclosures

cc: U.S. EPA, Region 4 (INTERNET E-mail)

CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

7001 1140 0002 1578 2427

OFFICIAL USE
Mr. Timothy Bates, Director of Energy Supply

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Restricted Delivery Fee (Endorsement Required)	
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Sent To
Mr. Timothy Bates, Director of Energy Supply
Street, Apt. No.;
or P.O. Box No.
501 East Lemon Street
City, State, ZIP+4
Lakeland, Florida 33801-5079
PS Form 3800, January 2001 See Reverse for Instructions


SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
Mr. Timothy Bates
Director of Energy Supply
Lakeland Electric
501 East Lemon Street
Lakeland, Florida 33801-5079

2. Article Number
(Transfer from service label) | 7001 1140 0002 1578 2427

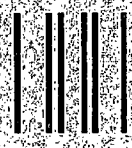
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4. Restricted Delivery? (Extra Fee) Yes

UNITED STATES POSTAL SERVICE

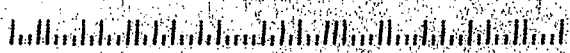


First-Class Mail
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• Sender: Please print your name, address, and ZIP+4 in this box •

DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF AIR RESOURCES MANAGEMENT
BUREAU OF AIR REGULATION - TITLE V
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400
M&S

BUREAU OF AIR REGULATION
RECEIVED
MON 29 2004



In the Matter of an
Application for Permits by:

Lakeland Electric
501 East Lemon Street
Lakeland, Florida 33801-5079

Draft Air Construction Permit No.: 1050352-004-AC
DRAFT Title V Air Operation Permit No.: 1050352-002-AV
Winston Peaking Station
Polk County

**INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION
PERMIT**

The Department of Environmental Protection (permitting authority) gives notice of its intent to issue a Title V air operation permit and the initial Title V Air Operation Permit (copies of the Draft Air Construction Permit and DRAFT Title V Air Operation Permit attached) for the Title V source detailed in the applications specified above, and the attached Technical Evaluation and Preliminary Determination, for the reasons stated below.

The applicant, Lakeland Electric, applied on April 1, 2002 to the permitting authority for a Title V Air Operation Permit for the Winston Peaking Station located at 1200 Airport Road, Lakeland, Polk County.

The construction permit is being issued to correct minor inconsistencies, between the original permit application information and the limitations of permit 1050352-001-AC, that were discovered during the processing of the Title V air operation permit. Making these changes will allow the Title V air operation permit to be issued with limitations that will meet the US EPA's criteria for being practically enforceable and assure that the facility maintains the requested non-PSD classification. In addition, this action will be used to respond to a recent request by Ms. Farzie Shelton to make changes to the visible emissions testing requirements contained in permit 1050352-001-AC.

The Title V air operation permit is being issued to allow commercial operation of the facility, as authorized by the initial air construction permit 1050352-001-AC, and as revised by air construction permit 1050352-004-AC.

These REVISED DRAFT permits are being issued due to the fact that comments received on the previous DRAFT permits resulted in changes that were considered significant enough to require a new public notice. In order to remove conflicts between the conditions that limit potential emissions, the fuel quantity limitations were removed from the permit. Potential emissions are still limited by hourly heat input limits for each fuel, annual hours of operation limits for each fuel, and hourly and annual emissions limits.

The permitting authority has permitting jurisdiction under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, 62-212 and 62-213. This source is not exempt from construction and Title V permitting procedures. The permitting authority has determined that an Air Construction Permit and a Title V Air Operation Permit are required to construct and to commence or continue operations at the described facility.

The permitting authority intends to issue the Air Construction Permit and the Title V Air Operation Permit based on the belief that reasonable assurances have been provided to indicate that the construction activity and operation of the source will not adversely impact air quality, and the source will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-256, 62-257, 62-281, 62-296, and 62-297, F.A.C.

Pursuant to Sections 403.815 and 403.087, F.S., and Rules 62-110.106 and 62-210.350(3), F.A.C., you (the applicant) are required to publish at your own expense the enclosed "PUBLIC NOTICE

OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT." The 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. For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting 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 address or telephone number listed below. The applicant shall provide proof of publication to the Department's Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-1344; Fax: 850/922-6979), within 7 (seven) days of publication pursuant to Rule 62-110.106(5), F.A.C. 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.

The permitting authority will issue the Air Construction Permit and the PROPOSED Title V Air Operation Permit and subsequent FINAL Title V Air Operation Permit, in accordance with the conditions of the attached Draft Air Construction Permit and the DRAFT Title V Air Operation Permit unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The permitting authority will accept written comments concerning the proposed Air Construction Permit issuance action for a period of 14 (fourteen) days from the date of publication of the "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT."

The permitting authority will accept written comments concerning the proposed Title V Air Operation Permit issuance action for a period of 30 (thirty) days from the date of publication of the "PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT."

Written comments must be post-marked, and all e-mail or facsimile comments must be received by the close of business (5 pm), on or before the end of the comment periods listed above by the Permitting Authority at the above address, e-mail or facsimile. 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 on the Department's official web site for notices at <http://tlhora6.dep.state.fl.us/onw> and in a newspaper of general circulation in the area affected by the permitting action. For additional information, contact the Permitting Authority at the above address or phone number. If written comments or comments received at a public meeting result in a significant change to the DRAFT Permit, the Permitting Authority shall issue a Revised DRAFT Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

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. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, 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 fourteen 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. 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

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 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, 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) 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 permitting authority's final action may be different from the position taken by it in this notice of intent. 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 will not be available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply to the Department of Environmental Protection for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542, F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.

The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department of Environmental Protection, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. The petition must specify the following information:

(a) The name, address, and telephone number of the petitioner;

(b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any;

(c) Each rule or portion of a rule from which a variance or waiver is requested;

(d) The citation to the statute underlying (implemented by) the rule identified in (c) above;

(e) The type of action requested;

(f) The specific facts that would justify a variance or waiver for the petitioner;

(g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and,

(h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in Section 120.542(2), F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of the United States Environmental Protection Agency and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

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 (sixty) days of the expiration of the Administrator's 45 (forty-five) day review period as established at 42 U.S.C. Section 7661d(b)(1), to object to issuance of any permit revision. Any petition shall be based only on objections to the permit revision that were raised with reasonable specificity during the 30 (thirty) day public comment period provided in this 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 Tallahassee, Florida.

**STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION**



Trina L. Vielhauer, Chief
Bureau of Air Regulation

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT (including the combined PUBLIC NOTICE, the Draft Air Construction Permit, and the DRAFT Title V Air Operation Permit) and all copies, were sent by certified mail before the close of business on 11/19/04 to the person(s) listed:

Mr. Timothy Bates

In addition, the undersigned duly designated deputy agency clerk hereby certifies that copies of this INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE V AIR OPERATION PERMIT (including the combined PUBLIC NOTICE, the Draft Air Construction Permit, and the DRAFT Title V Air Operation Permit) were sent by INTERNET E-mail on the same date to the person(s) listed or as otherwise noted:

Ms. Farzie Shelton, Lakeland Electric (farzie.shelton@lakelandgov.net)
Mr. Kennard Kosky, P.E. (kkoskey@golder.com)
U.S. EPA, Region 4 (INTERNET E-mail Memorandum)
Mr. Gerald Kissel, P.E., DEP-SWD (e-mail)

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.

Paulina J. Friday
(Clerk) Friday 11/19/04
(Date)

**PUBLIC NOTICE OF INTENT TO ISSUE AN AIR CONSTRUCTION PERMIT AND A TITLE
V AIR OPERATION PERMIT**

DEPARTMENT OF ENVIRONMENTAL PROTECTION

Revised Draft Air Construction Permit No.: 1050352-004-AC
Revised DRAFT Title V Air Operation Permit Project No.: 1050352-002-AV
Winston Peaking Station
Polk County

Applicant: The applicant for this project is Lakeland Electric, 501 East Lemon Street, Lakeland, Florida 33801-5079. The applicant's responsible official is Mr. Timothy Bates, Director of Energy Supply.

Facility Location: The applicant operates a peaking station, which is located at 1200 Airport Road, Lakeland, Polk County, Florida.

Project: The construction permit is being issued to correct minor inconsistencies, between the original permit application information and the limitations of permit 1050352-001-AC, that were discovered during the processing of the Title V air operation permit. Making these changes will allow the Title V air operation permit to be issued with limitations that will meet the US EPA's criteria for being practically enforceable and assure that the facility maintains the requested non-PSD classification. In addition, this action will be used to respond to a recent request by Ms. Farzie Shelton to make changes to the visible emissions testing requirements contained in permit 1050352-001-AC.

The Title V air operation permit is being issued to allow commercial operation of the facility, as authorized by the initial air construction permit 1050352-001-AC, and as revised by air construction permit 1050352-004-AC.

These revised Draft permits are being issued due to the fact that comments received on the previous DRAFT permits resulted in changes that were considered significant enough to require a new public notice. In order to remove conflicts between the conditions that limit potential emissions, the fuel quantity limitations were removed from the permit. Potential emissions are still limited by hourly heat input limits for each fuel, annual hours of operation limits for each fuel, and hourly and annual emissions limits.

Permitting Authority: Applications for Air Construction Permits and 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 an air permit is required to operate the facility. The Department of Environmental Protection is the Permitting Authority responsible for making a permit determination regarding this project. The Permitting Authority's physical address is: 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301. The Permitting Authority's mailing address is: Department of Environmental Protection, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400. The Permitting Authority's telephone number is 850/488-0114.

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 Construction Permit, the Statement of Basis, the Draft Title V permit, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address and phone number listed, above, or may view the DRAFT Permit and file electronic comments by visiting the following website: <http://www.dep.state.fl.us/air/eproducts/ards/>. A copy of the complete project file is

also available at the Department of Environmental Protection's Southwest District Office at 3804 Coconut Palm Drive, Tampa, Florida 33619-8218 (Telephone: 813/744-6100).

Notice of Intent to Issue Air Permit: The Permitting Authority gives notice of its intent to issue an Air Construction Permit and a Title V Air Operation Permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of the facility 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, 62-256, 62-257, 62-281, 62-296, and 62-297, F.A.C. The Permitting Authority will issue a Final Air Construction Permit, a Proposed Title V Air Operation Permit and subsequent Final Title V Air Operation Permit in accordance with the conditions of the Draft Permits unless a response received in accordance with the following procedures results in a different decision or a significant change of terms or conditions.

Comments: The Permitting Authority will accept written comments concerning the Draft Air Construction Permit for a period of fourteen (14) days from the date of publication of this Public Notice. The Permitting Authority will accept written comments concerning the Draft Title V Air Operation Permit for a period of thirty (30) days from the date of publication of this Public Notice. Written comments must be post-marked and all e-mail or facsimile comments must be received by the close of business (5 pm) on or before the end of this 30-day period by the Permitting Authority at the above address, email or facsimile. 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 on the Department's official web site for notices (<http://tlhora6.dep.state.fl.us/onw/>) and in a newspaper of general circulation in the area affected by the permitting action. For additional information, contact the Permitting Authority at the above address or phone number. If written comments or comments received at a public meeting result in a significant change to the DRAFT Permit, the Permitting Authority shall issue a Revised DRAFT Permit and require, if applicable, another Public Notice. All comments filed will be made available for public inspection.

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. The petition must contain the information set forth below and must be filed with (received by) the Department's Agency Clerk in the Office of General Counsel of the Department of Environmental Protection at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S. must be filed within fourteen (14) days of publication of this 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 fourteen (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. 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.

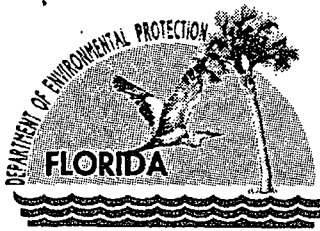
A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address and telephone number of the petitioner; 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 rights will be affected by the agency determination; (c) A statement of how and when the 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 state; (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; 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 Public Notice of intent. 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.

Objections: In addition to the above right to petition, pursuant to 42 United States Code (U.S.C.) Section 7661d(b)(2), any person may petition the Administrator of the EPA within sixty (60) days of the expiration of the Administrator's 45 (forty-five) 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 thirty (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 objections, visit the EPA Region 4 web site at: www.epa.gov/region4/air/permits.



Jeb Bush
Governor

Department of Environmental Protection

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

Colleen M. Castille
Secretary

PERMITTEE:

City of Lakeland; Lakeland Electric
Winston Peaking Station
501 E. Lemon Street
Lakeland, Florida 33801-5079

Authorized Representative:

Timothy Bates
Director of Energy Supply

REVISED DRAFT

ARMS Permit No.	1050352-004-AC
Facility ID No.	1050352
SIC No.	4911
Expires:	March 1, 2005

PROJECT AND LOCATION

Construction permit number 1050352-001-AC authorized the installation of 20 internal combustion engines with electrical generator sets. The 20 engines are capable of producing a nominal 50 MW (55 MW at peak load) of electricity. The Department is issuing this construction permit in order to correct minor inconsistencies between the original permit application information and the limitations of permit 1050352-001-AC, that were discovered during the processing of the Title V air operation permit. Making these changes will allow the Title V air operation permit to be issued with limitations that will meet the US EPA's criteria for being practically enforceable and assure that the facility maintains the requested non-PSD classification. In addition, this action will be used to respond to a recent request by Lakeland Electric to make changes to the visible emissions testing requirements contained in permit 1050352-001-AC, which expired on June 30, 2002.

The facility is located in Polk County, one-mile southeast of the intersection of Airport Road and Old Tampa Highway, Lakeland, Florida. The UTM coordinates are Zone 17, 400.2 km E, 3100.6 km N.

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 make changes in accordance with the conditions of this permit.

APPENDICES

The following documents are attached and are incorporated as part of this permit:

1050352-001-AC	Initial Air Construction Permit
Appendix GC	Construction Permit General Conditions

Michael G. Cooke, Director
Division of Air Resource Management

"More Protection, Less Process"

Printed on recycled paper.

SECTION II. ADMINISTRATIVE REQUIREMENTS

FACILITY DESCRIPTION

The facility is located on a 6-acre parcel adjacent to an existing Lakeland Electric substation. Lakeland Electric owns the property and owns/controls the operation of the facility. Lakeland Electric owns the equipment and dispatches the units to supply electric power. The facility consists of twenty nominal 2.5-MW GM EMD 20/645/E4B diesel engines and one 294,000-gallon fuel oil storage tank. The engines use selective catalytic reduction, oxidation catalyst, and an air/fuel ratio regulator for emission reduction control. The units are designed for peaking service. The fuel for the engines is distillate fuel oil with natural gas. Fuel oil contains a maximum sulfur content of 0.05 percent. The 20 internal combustion engines with generators are capable of providing a nominal 50 MW (55 MW at peak load) of electrical power.

REGULATORY CLASSIFICATION

Title V Major Source: This facility is a Title V major source of air pollution.

PSD Major Source: Each pollutant with potential emissions greater than the Significant Emissions Rates specified in Table 62-212.400-2, F.A.C. requires a PSD review and Best Available Control Technology (BACT) determination. For this project, emissions of no pollutant are significant or subject to BACT standards, provided that the Emissions Units are operated as specified in this permit.

RELEVANT DOCUMENTS

The documents listed form the basis of the permit. They are specifically related to this permitting action. These documents are on file with the Department.

- 1050352-001-AC issued 8-20-01
- Company letters dated 8-26-03 and 2-23-04
- Technical Evaluation and Preliminary Determination dated 5-19-04

SECTION III. EMISSIONS UNIT SPECIFIC CONDITIONS

1. All of the terms and conditions of the attached air construction permit, No. 1050352-001-AC, dated August 20, 2001, are incorporated into this air construction permit and remain the same, except for the changes that follow in Specific Conditions 2. through 8., below.

2. In keeping with the permit application information and to assure PSD avoidance, Specific Condition 6. is changed:

From:

6. Nitrogen Oxides (NO_x): NO_x emissions from each internal combustion engine shall not exceed 13.9 lb/hr while in peak load operation firing distillate oil, 11.6 lb/hr while in base load operation firing distillate oil and 5.6 lb/hr in base load operation firing natural gas. Annual emissions of NO_x in tpy from these emission units shall be calculated by using the NO_x emission rate in lb/hr for each mode of operation multiplied by the total operating hours for each mode of operation for the 20 engines divided by 2000. This NO_x emission in tpy shall not exceed 250 TPY, based upon a consecutive 12-month period. This facility-wide annual emissions cap of 250 TPY shall become effective on the first day of the month following the initial compliance test of the first internal combustion engine, and compliance shall begin based upon the first twelve months of operation thereafter.

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

To:

6. Nitrogen Oxides (NO_x): NO_x emissions from each internal combustion engine shall not exceed 13.9 lb/hr while in peak load operation firing distillate oil, or 11.6 lb/hr while in base load operation firing distillate oil, or 5.58 lb/hr in base load operation firing natural gas. Annual emissions of NO_x in tpy from these emission units shall be calculated by using the allowable NO_x emission rate in lb/hr for each mode of operation multiplied by the total operating hours for each mode of operation for the 20 engines divided by 2000. (See Specific Condition 32.) This NO_x emission in tpy shall not exceed 249.4 TPY, based upon a consecutive 12-month period. This facility-wide annual emissions cap of 249.4 TPY shall become effective on the first day of the month following the initial compliance test of the first internal combustion engine, and compliance shall begin based upon the first twelve months of operation thereafter.

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

3. In order to remove conflicts between the limitations, the fuel quantity limitations in Specific Condition 12. are removed.

From:

12. Fuel Oil Consumption: The maximum No. 2 fuel oil allowed to be burned in the twenty internal combustion engines combined is 8,184,480 gallons per year, which is equivalent to 43,000 engine-hours per year at 100% load. The maximum natural gas that can be burned in the twenty internal combustion engines combined is 2,240 MMCF per year, which is equivalent to 89,200 engine-hours per year at 100% load. **[Rule 62-210.200, F.A.C. (Definitions – PTE)]**

To:

12. Reserved.

4. For practical enforceability, Specific Condition 14. is changed:

SECTION III. EMISSIONS UNIT SPECIFIC CONDITIONS

From:

14. Hours of Operation: The twenty internal combustion engines shall operate no more than 43,000 engine-hours when firing fuel oil at 100% load, 17,520 engine-hours at peak load and 89,200 engine-hours when firing natural gas during any consecutive 12-month period. The permittee shall install, calibrate, operate and maintain a monitoring system to measure the hours of operation for each fuel on each internal combustion engine. [Rule 62-210.200, F.A.C. (Definitions - PTE)]

To:

14. Hours of Operation: The twenty internal combustion engines shall operate no more than 43,000 engine-hours when firing fuel oil at 100% load, or 17,520 engine-hours at peak load or 89,200 engine-hours when firing natural gas during any consecutive 12-month period. If multiple fuels are used during a 12-month period, the allowable hours for each fuel type shall be prorated so as not to exceed the facility-wide NO_x cap. The permittee shall install, calibrate, operate and maintain a monitoring system to measure the hours of operation for each fuel on each internal combustion engine. Compliance with the facility-wide NO_x cap shall be demonstrated using the equation contained in Specific Condition 32. [Rule 62-210.200, F.A.C. (Definitions - PTE)]

5. At applicant request, to require annual visible emissions testing only on units that operate more than 400 hours per year, Specific Condition 20. is changed:

From:

20. Annual Performance Tests: To demonstrate compliance with the emission standards specified in this permit, the permittee shall conduct annual performance tests for visible emissions on emissions unit that operated in the preceding 12-month period. Annual performance tests for NO_x shall be conducted on the emission units that emitted more than 100 tons per year of NO_x in the preceding 12-month period. The facility will be required to keep 12-month emission totals of NO_x in tons per year for each internal combustion engine during each federal fiscal year (October 1- September 30). Tests required on an annual basis shall be conducted at least once during each federal fiscal year. [Rule 62-297.310(7)(a)4., and 62-297.310(7)(c), F.A.C.]

To:

20. Annual Performance Tests: To demonstrate compliance with the emission standards specified in this permit, the permittee shall conduct annual performance tests for visible emissions on each emissions unit that operated for more than 400 hours in the preceding 12-month period. Annual performance tests for NO_x shall be conducted on the emission units that emitted more than 100 tons per year of NO_x in the preceding 12-month period. The facility will be required to keep 12-month emission totals of NO_x in tons per year for each internal combustion engine during each federal fiscal year (October 1- September 30). Tests required on an annual basis shall be conducted at least once during each federal fiscal year. [Rule 62-297.310(7)(a)4., and 62-297.310(7)(c), F.A.C.]

6. Rule 62-297.310(7)(a)3., F.A.C., requires that all units be tested for compliance with all emissions limits prior to renewal of the source's operating permit. Permit No. 1050352-001-AC gave consideration to the fact that the twenty units at this facility are identical and provided a relaxation from the requirement to test all of the units by specifying that only one unit needed to be tested prior to permit renewal. In order to assure that the compliance tests prior to renewal provide results for all emissions limited pollutants that are representative of worst case emissions (considering wear of the units over time), Specific Condition 21. is changed:

From:

SECTION III. EMISSIONS UNIT SPECIFIC CONDITIONS

21. Tests Prior to Permit Renewal: Prior to renewing the air operation permit, the permittee shall conduct performance tests for NO_x and visible emissions on one of the internal combustion engines. These tests shall be conducted within the 12-month period prior to renewing the air operation permit. For pollutants required to be tested annually, the permittee may submit the most recent annual compliance test to satisfy the requirements of this provision. [Rule 62-297.310(7)(a)3., F.A.C.]

To:

21. Tests Prior to Permit Renewal: Prior to renewing the air operation permit, the permittee shall conduct performance tests for NO_x, visible emissions and ammonia on the internal combustion engine that operated for the most hours during the previous five years. These tests shall be conducted within the 12-month period prior to renewing the air operation permit. For pollutants required to be tested annually, the permittee may submit the most recent annual compliance test to satisfy the requirements of this provision. [Rule 62-297.310(7)(a)3., F.A.C.]

7. To provide a cross-reference to Specific Condition 32., Specific Condition 29. is changed:

From:

29. Monthly Operations Summary: By the fifth calendar day of each month, the permittee shall record the 12-month hours of operation of the internal combustion engines, 12-month emission totals for NO_x and amount of the No. 2 fuel oil and natural gas fired in the internal combustion engines. The information shall be recorded in a written or electronic log and shall be available for inspection and/or printing within at least one day of a request from the Compliance Authority. [Rule 62-4.160(15), F.A.C.]

To:

29. Monthly Operations Summary: By the fifth calendar day of each month, the permittee shall record the 12-month hours of operation of the internal combustion engines, 12-month emission totals for NO_x (see Specific Condition 32.), and amount of the No. 2 fuel oil and natural gas fired in the internal combustion engines. The information shall be recorded in a written or electronic log and shall be available for inspection and/or printing within at least one day of a request from the Compliance Authority. [Rule 62-4.160(15), F.A.C.]

8. To provide a method for assuring compliance with the facility-wide NO_x emissions cap based on records of fuel usage and hours of operation, the following Specific Condition 32. is added:

32. Compliance Assurance Demonstration Method: Using the information required by Specific Conditions 14. & 29., compliance with the 12-month facility-wide NO_x emissions cap shall be demonstrated by using the following equation:

$$[(X * 11.6 \text{ lbs/hr}) + (Y * 13.9 \text{ lbs/hr}) + (Z * 5.6 \text{ lbs/hr}) / (2000 \text{ lbs/ton})] = \text{Calculated tons of NO}_x.$$

Where:

X = Documented hours per year firing oil at 100% load (total of all 20 engines)

Y = Documented hours per year firing oil at peak load (total of all 20 engines)

Z = Documented hours per year firing natural gas at 100% load (total of all 20 engines)

[Rule 62-4.070(1), F.A.C.]

STATEMENT OF BASIS

**City of Lakeland, Lakeland Electric
Winston Peaking Station
Facility ID No.: 1050352
Polk County**

**Initial Title V Air Operation Permit
REVISED DRAFT Permit No.: 1050352-002-AV**

This Title V air operation permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-213. The above named permittee is hereby authorized to perform the work or 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.

This facility consists of twenty nominal 2.5-MW GM EMD 20/645/E4B diesel engines and one 294,000-gallon fuel oil storage tank. The engines use selective catalytic reduction, oxidation catalyst, and an air/fuel ratio regulator for emission reduction control. The units are designed for peaking service. The engines are fired on distillate fuel oil or natural gas with 6% diesel fuel for ignition. Fuel oil will contain a maximum sulfur content of 0.05 percent. The 20 internal combustion engines with generators are capable of providing a nominal 50 MW (55 MW at peak load) of electrical power.

These emissions units are not considered large pollutant-specific emissions units; therefore, CAM does not apply to these units at this time. CAM will apply if the emission units undergo a significant revision or when the permit is renewed.

There is a compliance plan included in this permit. Appendix CP-1, Compliance Plan for Natural Gas Compliance Testing, has been included to require the source to test for NO_x and ammonia when natural gas becomes available at the site.

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

Based on the initial Title V permit application received April 1, 2002, this facility is not a major source of hazardous air pollutants (HAPs).

This REVISED DRAFT Title V Air Operation permit is being issued due to the fact that comments received on the previous DRAFT permit resulted in changes that were considered significant enough to require a new public notice. In order to remove conflicts between the conditions that limit potential emissions, the fuel quantity limitations were removed from the permit. Potential emissions are still limited by hourly heat input limits for each fuel, annual hours of operation limits for each fuel, and hourly and annual emissions limits.

Because the referenced attachments that were included with the initial DRAFT Title V permit were not affected by the comments or the resultant changes, they have not been reissued with this REVISED DRAFT permit.

Lakeland Electric
Winston Peaking Station
Facility ID No.: 1050352
Polk County

Initial Title V Air Operation Permit

REVISED DRAFT Permit No.: 1050352-002-AV

Permitting Authority

State of Florida
Department of Environmental Protection
Division of Air Resources Management
Bureau of Air Regulation
Title V Section

Mail Station #5505
2600 Blair Stone Road
Tallahassee, Florida 32399-2400
Telephone: 850/488-0114
Fax: 850/922-6979

Compliance Authority

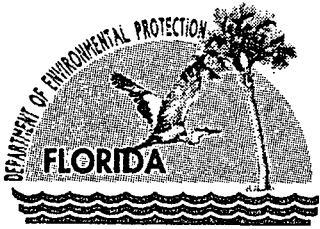
State of Florida
Department of Environmental Protection
Southwest District Office
3804 Coconut Palm Drive
Tampa, Florida 33619-8218
Telephone: 813/744-6100
Fax: 813/744-6084

Initial Title V Air Operation Permit

REVISED DRAFT Permit No.: 1050352-002-AV

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Department of Environmental Protection

Jeb Bush
Governor

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

Colleen M. Castille
Secretary

Permittee:
City of Lakeland
Lakeland Electric

REVISED DRAFT Permit No.: 1050352-002-AV
Facility ID No.: 1050352
SIC Nos.: 4911

Project: Initial Title V Air Operation Permit

This permit is for the operation of the Winston Peaking Station. This facility is located at 1200 Airport Road, Lakeland, Polk County; UTM coordinates are Zone 17, 400.2 km E, 3100.6 km N.; and, Latitude: 28° 01' 45" North and Longitude: 82° 00' 53" West.

This Title V Air Operation Permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-213. The above named permittee is hereby authorized to perform the work or 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 I-1, LIST OF INSIGNIFICANT EMISSIONS UNITS AND/OR ACTIVITIES
- APPENDIX TV-4, TITLE V CONDITIONS version dated 02/12/02
- APPENDIX SS-1, STACK SAMPLING FACILITIES version dated 10/07/96
- TABLE 297.310-1, CALIBRATION SCHEDULE version dated 10/07/96
- APPENDIX CP-1, COMPLIANCE PLAN FOR NATURAL GAS TESTING

Effective Date: [ARMS Day 55]
Renewal Application Due Date: [M/D/Y]
Expiration Date: [M/D/Y]

Department of Environmental Protection

Michael G. Cooke, Director,
Division of Air Resource Management

MGC/jkp/jh

Section I. Facility Information.

Subsection A. Facility Description.

This facility consists of twenty nominal 2.5-MW GM EMD 20/645/E4B diesel engines and one 294,000-gallon fuel oil storage tank. The engines use selective catalytic reduction, oxidation catalyst, and an air/fuel ratio regulator for emission reduction control. The units are designed for peaking service. The engines are fired on distillate fuel oil or natural gas with 6% diesel fuel for ignition. Fuel oil will contain a maximum sulfur content of 0.05 percent. Completion of this project will result in the installation of 20 internal combustion engines with generators capable of providing a nominal 50 MW (55-MW at peak load) of electrical power.

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

Based on the initial Title V permit application received April 1, 2002, this facility was not identified as a major source of hazardous air pollutants (HAPs).

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

<u>E.U. ID No.</u>	<u>Brief Description</u>
001 - 020	20 GM EMD 20/645/E4B diesel engines and associated electric generators.

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:

Table 1-1, Summary of Air Pollutant Standards and Terms (optional)

Table 2-1, Summary of Compliance Requirements (optional)

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

Appendix H-1: Permit History/ID Number Changes

Statement of Basis

These documents are on file with permitting authority:

Initial Title V Permit Application received April 1, 2002

Section II. Facility-wide Conditions.

The following conditions apply facility-wide:

1. APPENDIX TV-4, TITLE V CONDITIONS, is a part of this permit.

{Permitting note: APPENDIX TV-4, TITLE V CONDITIONS, is distributed to the permittee only. Other persons requesting copies of these conditions shall be provided one copy when requested or otherwise appropriate.}

2. **[Not federally enforceable.]** General Pollutant Emission Limiting Standards. Objectionable Odor Prohibited. No person shall cause, suffer, allow, or permit the discharge of air pollutants which cause or contribute to an objectionable odor.

[Rule 62-296.320(2), F.A.C.]

3. 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.]

4. 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 1515
Lanham-Seabrook, MD 20703-1515
Telephone: 301/429-5018

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]

5. Insignificant Emissions Units and/or Activities. Appendix I-1, List of Insignificant Emissions Units and/or Activities, is a part of this permit.

[Rules 62-213.440(1), 62-213.430(6), and 62-4.040(1)(b), F.A.C.]

6. Compliance Plans. Appendix CP-1, Compliance Plan for Natural Gas Compliance Testing, is a part of this permit.

[Rule 62-213.440(2), F.A.C.]

7. 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. **Nothing was deemed necessary and ordered at this time.**

[Rule 62-296.320(1)(a), F.A.C.]

8. Unconfined Emissions of Particulate Matter.

- a. 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.
- b. Any permit issued to a facility with emissions of unconfined particulate matter shall specify the reasonable precautions to be taken by that facility to control the emissions of unconfined particulate matter.
- c. Reasonable precautions include the following:
 - Paving and maintenance of roads, parking areas and yards.
 - Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
 - Application of asphalt, water, oil, chemicals or other dust suppressants to unpaved roads, yards, open stock piles and similar activities.
 - Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent re-entrainment, and from buildings or work areas to prevent particulate from becoming airborne.
 - Landscaping or planting of vegetation.
 - Use of hoods, fans, filters, and similar equipment to contain, capture and/or vent particulate matter.
 - Confining abrasive blasting where possible.
 - Enclosure or covering of conveyor systems.
- d. In determining what constitutes reasonable precautions for a particular source, the Department shall consider the cost of the control technique or work practice, the environmental impacts of the technique or practice, and the degree of reduction of emissions expected from a particular technique or practice.

[Rule 62-296.320(4)(c), F.A.C.; and, 1050352-001-AC]

{Permitting Note: This condition implements the requirements of Rules 62-296.320(4)(c)1., 3., & 4., F.A.C. (see Condition 57. of APPENDIX TV-4, TITLE V CONDITIONS.)}

9. 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.]

10. Statement of Compliance. The annual statement of compliance pursuant to Rule 62-213.440(3)(a)2., F.A.C., shall be submitted to the Department and EPA within 60 (sixty) days after the end of the calendar year using DEP Form No. 62-213.900(7), F.A.C.

[Rules 62-213.440(3) and 62-213.900, 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-4, TITLE V CONDITIONS.)}

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

Department of Environmental Protection
Southwest District Office
3804 Coconut Palm Drive
Tampa, Florida 33619-8218
Telephone: 813/744-6100
Fax: 813/744-6458

12. 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
Telephone: 404/562-9155, Fax: 404/562-9164

13. 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.]

Section III. Emissions Unit(s) and Conditions.

Subsection A. This section addresses the following emissions unit(s).

<u>E.U. ID No.</u>	<u>Brief Description</u>
001 – 020	20 GM EMD 20/645/E4B diesel engines and associated electric generators.

Twenty GM EMD 20/645/E4B diesel engines and associated electric generators. Each Power Module consists of one General Motors (GM) Electro Motive Division (EMD) 20-cylinder Model 645 E4B, 2-cycle turbocharged internal combustion (IC) engine and one Baylor-Stallion Model G8558RNV electric generator. The GM EMD IC engine has a power rating of 3,600 brake horsepower (bhp) at 100 percent load. The Baylor-Stallion generator has a power output rating of 2,500 kilowatt (continuous rating) and 2,750 kilowatts (kW) under peak load conditions. The 20 generators are designed to produce a nominal 50 MW (55 MW at peak load) of electric power. The IC engines will be fired with low-sulfur (maximum of 0.05 weight percent sulfur) diesel fuel oil and natural gas (with 6 percent diesel fuel for ignition) and operate using selective catalytic reduction (SCR), oxidation catalyst, and an air/fuel ratio regulator for the control of nitrogen oxide (NO_x) emissions.

{Permitting note(s): Due to a voluntary restriction on the hours of operation and a facility-wide limit on NO_x emissions, the facility is not subjected to the Prevention of Significant Deterioration (PSD) regulations found in Rules 212.400(5) & (6), F.A.C.; however, it is subjected to the "Source Obligation" conditions contained in Rule 62-212.400(2)(g), F.A.C. These emissions units are not regulated under Acid Rain, Phase II. Each 2.5 MW unit exhausts through a single stack. Stack height = 34 feet; exit diameter = 2.3 feet; exit temperature = 740 °F (natural gas), 635 F (fuel oil); actual volumetric flow rate = 21,350 acfm.}

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

Essential Potential to Emit (PTE) Parameters

A.1. Permitted Capacity. The heat input to each internal combustion engine from firing No. 2 fuel oil shall not exceed 25 MMBtu per hour at 100% load or 28 MMBtu per hour at peak load. The heat input to each internal combustion engine from firing natural gas shall not exceed 26.35 MMBtu per hour at 100% load.

[Rules 62-4.160(2) & 62-210.200(PTE), F.A.C.; and, 1050352-001-AC & 1050352-004-AC]

A.2. Emissions Unit Operating Rate Limitation After Testing. See Specific Condition **A.19**.
[Rule 62-297.310(2), F.A.C.]

A.3. Methods of Operation - (i.e. Fuels). No. 2 fuel oil and natural gas can be fired in the internal combustion engines. Only No. 2 fuel oil will be fired in the engines for the first two years of operation. The internal combustion engines shall be fired primarily with No. 2 fuel oil or natural gas (with 6 percent diesel fuel for ignition). The permittee shall demonstrate compliance with the fuel oil sulfur limit by keeping the records specified in this permit.

- a. **Natural Gas.** The heat input from natural gas shall not exceed 26.35 MMBtu/hr. Firing of natural gas requires 6% diesel fuel for ignition.

- b. Fuel Oil. The heat input from No. 2 fuel oil shall not exceed 25 MMBtu/hr at full load or 28 MMBtu/hr at peak load. The maximum sulfur content of the No. 2 fuel oil shall not exceed 0.05 percent, by weight.

[Rule 62-213.410, F.A.C.; and, 1050352-001-AC & 1050352-004-AC]

A.4. Hours of Operation: The twenty internal combustion engines shall operate no more than 43,000 engine-hours when firing fuel oil at 100% load, or 17,520 engine-hours at peak load or 89,200 engine-hours when firing natural gas during any consecutive 12-month period. If multiple fuels are used during a 12-month period, the allowable hours for each fuel type shall be prorated so as not to exceed the facility-wide NO_x cap. The permittee shall install, calibrate, operate and maintain a monitoring system to measure the hours of operation for each fuel on each internal combustion engine. Compliance with the facility-wide NO_x cap shall be demonstrated using the equation contained in Specific Condition **A.28**.

[Rules 62-4.160(2) & 62-210.200(PTE), F.A.C.; and, 1050352-001-AC & 1050352-004-AC]

A.5. Future PSD Review. The internal combustion engines shall not exceed the permitted hours of operation, nor the permitted NO_x emission limits allowed by this permit. This restriction is based on the permittee's request, which formed the basis of the PSD non-applicability determination and resulted in the emission standards specified in this permit. For any request to modify this emission unit (whether a physical or operational modification, including a change in the allowable hours of operation or heat input) the permittee shall submit a full PSD permit application, if required under the Department's rules.

[Rules 62-212.400(2)(g) & 62-212.400(6)(b), F.A.C.; 1050352-001-AC]

Emission Limitations and Standards

{Permitting note: Table 1-1, Summary of Air Pollutant Standards and Terms, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}}

{Permitting note: Unless otherwise specified, the averaging time for conditions A.6. – A.8. are based on the specified averaging time of the applicable test method.}

A.6. Nitrogen Oxides (NO_x): NO_x emissions from each internal combustion engine shall not exceed 13.9 lb/hr while in peak load operation firing distillate oil, or 11.6 lb/hr while in base load operation firing distillate oil, or 5.58 lb/hr in base load operation firing natural gas. Annual emissions of NO_x in tpy from these emission units shall be calculated by using the allowable NO_x emission rate in lb/hr for each mode of operation multiplied by the total operating hours for each mode of operation for the 20 engines divided by 2000. (See Specific Condition A.28.) This NO_x emission in tpy shall not exceed 249.4 TPY, based upon a consecutive 12-month period.

[Rule 62-212.400, F.A.C. (PSD avoidance); and, 1050352-001-AC & 1050352-004-AC]

A.7. 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% opacity). The test method for visible emissions shall be EPA Method 9, incorporated and adopted by reference in Chapter 62-297, F.A.C. Test procedures shall meet all applicable requirements of Chapter 62-297, F.A.C.

[Rule 62-296.320(4)(b)1, F.A.C.; and, 1050352-001-AC]

A.8. Ammonia Emissions. The concentration of ammonia in the exhaust gas from each internal combustion engine shall not exceed 10 ppmvd @15% O₂ while firing natural gas or fuel oil.

[Rule 62-4.070, F.A.C.; and, 1050352-001-AC]

Excess Emissions

{Permitting note: The Excess Emissions Rule at Rule 62-210.700, F.A.C., cannot vary any requirement of a NSPS or NESHAP provision.}

A.9. 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 two hours in any 24 hour period unless specifically authorized by the Department for longer duration.

[Rule 62-210.700(1), F.A.C.; and, 1050352-001-AC]

A.10. Excess Emissions Prohibited. Excess emissions which are 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.; and, 1050352-001-AC]

Monitoring of Operations

A.11. Fuel Monitoring. The fuel oil shall be monitored initially and annually for the sulfur content using ASTM D4294 Method (or equivalent). The permittee shall also maintain daily records of fuel oil and natural gas consumption for the emission units.

[Rules 62-297.440, F.A.C. & 62-210.200, F.A.C.; and, 1050352-001-AC]

A.12. Time Monitoring. The permittee shall have installed and calibrated, and shall operate and maintain a monitoring system to measure the hours of operation for each fuel on each internal combustion engine.

[Rule 62-213.440, F.A.C.; and, 1050352-001-AC]

A.13. Ammonia Monitoring. The flow of ammonia to the Selective Catalytic Reduction unit shall be continuously monitored to ensure that the ammonia flow is maintained at the same level as recorded during the most recent successful compliance test for NO_x emissions. **(See attached Appendix CP-1, Compliance Plan for Natural Gas Compliance Testing.)**

[Rules 62-4.070 & 62-213.440, F.A.C.]

Required Tests, Test Methods and Procedures

{Permitting note: Table 2-1, Summary of Compliance Requirements, summarizes information for convenience purposes only. This table does not supersede any of the terms or conditions of this permit.}

A.14. Initial Tests Required. Initial performance tests to demonstrate compliance with the emission standards specified in this permit shall be conducted within 60 days after achieving at least 90% of permitted capacity, but not later than 180 days after initial operation of the emissions unit. Initial performance tests shall be conducted for NO_x and visible emissions on a sample of 5 (five) randomly picked internal combustion engines for the first year. A different set of randomly picked five engines from the remaining internal combustion engines will be tested during subsequent years of operation until all of the engines have completed the initial performance test. Initial performance test while firing natural gas shall be done when the fuel is available to the facility. Initial performance tests shall be conducted for ammonia slip for both oil and gas (when available) on only one internal combustion engine. **(See the attached Appendix CP-1, Compliance Plan for Natural Gas Compliance Testing.)**

[Rules 62-213.440(2), 62-297.310(7)(a)1. & 62-297.310(7)(c), F.A.C.; and, 1050352-001-AC]

A.15. Annual Performance Tests. To demonstrate compliance with the emission standards specified in this permit, the permittee shall conduct annual performance tests for visible emissions on each emissions unit that operated for more than 400 hours in the preceding 12-month period. Annual performance tests for NO_x shall be conducted on the emission units that emitted more than 100 tons per year of NO_x in the preceding 12-month period. The facility will be required to keep 12-month emission totals of NO_x in tons per year for each internal combustion engine during each federal fiscal year (October 1- September 30). Tests required on an annual basis shall be conducted at least once during each federal fiscal year.

[Rule 62-297.310(7)(a)4. & 62-297.310(7)(c), F.A.C.; 1050352-001-AC & 1050352-004-AC]

A.16. Tests Prior to Permit Renewal. Prior to renewing the air operation permit, the permittee shall conduct performance tests for NO_x, visible emissions and ammonia on the internal combustion engine that operated for the most hours in the previous five years. These tests shall be conducted within the 12-month period prior to renewing the air operation permit. For pollutants required to be tested annually, the permittee may submit the most recent annual compliance test to satisfy the requirements of this provision.

[Rule 62-297.310(7)(a)3., F.A.C.; and, 1050352-001-AC & 1050352-004-AC]

A.17. Performance Test Methods. Annual compliance tests shall be performed in accordance with the following reference methods as described in 40 CFR 60, Appendix A, and adopted by reference in Chapter 62-204.800, F.A.C.

- a. EPA Method 7 or 7E – Determination of Nitrogen Oxide Emissions from Stationary Sources;
- b. EPA Method 9 - Visual Determination of the Opacity of Emissions from Stationary Sources;
- c. Method CTM-027 or equivalent for ammonia slip (see Specific Condition A.14.)

No other test methods may be used for compliance testing unless prior DEP approval is received, in writing, from the DEP Emissions Monitoring Section Administrator.

[1050352-001-AC]

Compliance Test Requirements

A.18. 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 the two complete runs as proof of compliance, provided that the arithmetic mean of the results of the two complete runs is at least 20 percent below the allowable emission limiting standards.

[Rule 62-297.310(1), F.A.C.]

A.19. Operating Rate During Testing. Testing of emissions shall be conducted with the emissions unit operation at permitted capacity, which is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impracticable to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted. Once the emissions 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.

[Rules 62-297.310(2) & (2)(b), F.A.C.]

A.20. Calculation of Emission Rate. 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.]

A.21. 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, the minimum 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, attached to this permit.
- (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.]

A.22. 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.]

A.23. Required Stack Sampling Facilities. When a mass emissions stack test is required, the permittee shall comply with the requirements contained in Appendix SS-1, Stack Sampling Facilities, attached to this permit.

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

A.24. 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.

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 Rule 62-210.300(2)(a)3.b., c., or d., F.A.C., the Department shall not require submission of emission compliance test results for any emissions unit that, during the year prior to renewal:
- a. Did not operate; or
 - b. In the case of a fuel burning emissions unit, burned liquid and/or solid fuel for a total of no more than 400 hours.
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.
 9. The owner or operator shall notify the SWD, 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 may 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 of 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 Rule 62-297.310(7)(b), F.A.C., shall apply.
- [Rule 62-297.310(7), F.A.C.; and, SIP approved.]

Recordkeeping and Reporting Requirements

A.25. 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 five (5) years following the date on which such measurements, records, or data are recorded. Records shall be made available to the Department upon request.

[Rules 62-4.160(14) & 62-213.440(1)(b)2., F.A.C.; and, 1050352-001-AC]

A.26. Emissions Performance Test Reports. A report indicating the results of any required emissions performance test shall be submitted to the Compliance Authority no later than 45 days after completion of the last test run. The test report shall provide sufficient detail on the tested emission unit and the procedures used to allow the Department to determine if the test was properly conducted and if the test results were properly computed. At a minimum, the test report shall provide the applicable information listed in Rule 62-297.310(8)(c), F.A.C.

[Rule 62-297.310(8), F.A.C.; and, 1050352-001-AC]

A.27. Monthly Operations Summary. By the fifth calendar day of each month, the permittee shall record the 12-month hours of operation of the internal combustion engines, 12-month emission totals for NO_x (see Specific Condition A.28.), and amount of the No. 2 fuel oil and natural gas fired in the internal combustion engines. The information shall be recorded in a written or electronic log and shall be available for inspection and/or printing within at least one day of a request from the Compliance Authority.

[Rule 62-4.160(15), F.A.C.; and, 1050352-001-AC & 1050352-004-AC]

A.28. Compliance Assurance Demonstration Method. Using the information required by Specific Conditions A.4. & A.27., compliance with the 12-month facility-wide NO_x emissions cap shall be demonstrated by using the following equation:

$$[(X * 11.6 \text{ lbs/hr}) + (Y * 13.9 \text{ lbs/hr}) + (Z * 5.6 \text{ lbs/hr})] / (2000 \text{ lbs/ton}) = \text{Calculated tons of NO}_x.$$

Where:

X = Documented hours per year firing oil at 100% load (total of all 20 engines)

Y = Documented hours per year firing oil at peak load (total of all 20 engines)

Z = Documented hours per year firing natural gas at 100% load (total of all 20 engines)

[1050352-004-AC]

A.29. Annual Operating Report. The permittee shall submit an annual report that summarizes the actual operating rates and emissions from this facility. Annual operating reports shall be submitted to the Compliance Authority by March 1st of each year.

[Rule 62-210.370(2), F.A.C.; and, 1050352-001-AC]

A.30. NSPS Requirements. The fuel oil storage tank shall comply with the requirements of 40 CFR 60, Subpart Kb.

[40 CFR 60.110b – 117b; and, 1050352-001-AC]

A.31. Excess Emissions Report. In the case of excess emissions resulting from malfunctions, the owner or operator shall notify the SWD 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 SWD.

[Rule 62-210.700(6), F.A.C.]

A.32. Test Reports.

- (a) The owner or operator of an emissions unit for which a compliance test is required shall file a report with the SWD on the results of each such test.
- (b) The required test report shall be filed with the SWD 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 SWD 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.

[Rules 62-213.440 and 62-297.310(8), F.A.C.]

Referenced Attachments

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

Appendix CP-1, Compliance Plan for Natural Gas Compliance Testing

Appendix H-1, Permit History

Appendix I-1, List of Insignificant Emissions Units and/or Activities

Appendix SS-1, Stack Sampling Facilities (version dated 10/7/96)

Appendix TV-4, Title V Conditions (version dated 2/12/02)

Table 297.310-1, Calibration Schedule

Table 1-1, Summary of Air Pollutant Standards and Terms

Table 2-1, Compliance Requirements

Appendix I-1, List of Insignificant Emissions Units and/or Activities.

City of Lakeland, Lakeland Electric
Winston Peaking Station

Revised DRAFT Permit No.: 1050352-002-AV
Facility ID No.: 1050332

The facilities, emissions units, or pollutant-emitting activities listed in Rule 62-210.300(3)(a), F.A.C., Categorical Exemptions, are exempt from the permitting requirements of Chapters 62-210 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 Rule 62-210.300(3)(a), 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 Rule 62.210.300(3)(a), 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.

Brief Description of Emissions Units and/or Activities:

1. Emergency foam fire protection system Model CC S3-500 VDF, manufactured by Arrow Tank and Engineering Company.
2. Storage operations for the 4,000-gallon fuel oil tank inside the building used to supply makeup oil to the engines.
3. ~~Storage operations for the 12,000-gallon liquid ammonia tank which is used to supply ammonia for the Selective Catalytic Reduction (SCR) systems.~~
[Permitting Note: Must submit risk management plan if NH₃ concentration reaches 20% or greater (see Facility-wide Condition 4.)]
4. Miscellaneous maintenance and cleaning of the building, control room, and their contents.
5. Storm water retention basin maintenance (if required).

Friday, Barbara

To: farzie.shelton@lakelandgov.net; Kosky, Ken; Waters, Jason
Cc: Holtom, Jonathan
Subject: REVISED DRAFT Title V Permit No. 1050352-004-AC/1050352-002-AV - Lakeland Electric - Winston Peaking Station

Find attached two zip files for the DRAFT AC and REVISED DRAFT AV for your information and files.

If I may be of further assistance, please feel free to contact me.

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