

Memorandum

Florida Department of Environmental Protection

TO: Trina L. Vielhauer, Bureau of Air Regulation
THROUGH: Jonathan K. Holtom, Title V Section *JH*
FROM: Tom Cascio *TC*
DATE: June 30, 2008 *TC*
SUBJECT: Draft Air Permits Nos. 0850102-017-AC and 0850102-018-AV
Indiantown Cogeneration, L.P., Indiantown Cogeneration Facility
Air Construction Permit and Title V Air Operation Permit Revision

Attached for your review are the following items:

- Written Notice of Intent to Issue Air Permits;
- Public Notice of Intent to Issue Air Permits;
- Statement of Basis;
- Draft Permits; and
- P.E. Certification.

Attached is the draft air construction permit to correct the auxiliary boilers hours and draft/proposed permit package to revise the Title V air operation permit for the Indiantown Cogeneration Facility. This facility is located in Martin County at 13303 SW Silver Fox Lane, Indiantown, Florida. The Statement of Basis provides a summary of the project and the rationale for issuance. The P.E. certification briefly summarizes the proposed project.

The application was received and deemed complete on April 30, 2008. Day 90 is July 29, 2008. There is no ongoing/open enforcement case for this facility, as informed to us by the Southeast District Office. I recommend your approval of the attached Draft Permits.

Attachments

P.E. CERTIFICATION STATEMENT

PERMITTEE

Indiantown Cogeneration, L.P.
Post Office Box 1799
13303 SW Silver Fox Lane
Indiantown, Florida 34956

Draft 0850102-017-AC
Draft 0850102-018-AV
Facility ID No. 0850102
Indiantown Cogeneration Facility
Air Construction Permit and Title V
Air Operation Permit Revision
Martin County, Florida

PROJECT DESCRIPTION

The purpose of this project is to revise the Indiantown Cogeneration Facility's Title V air operation permit to (1) correct the permitted hours for the auxiliary boilers and (2) update the specific conditions related to New Source Performance Standards (NSPS)-40 CFR 60, Subpart Da, for the pulverized coal main boiler.

I HEREBY CERTIFY that the air pollution control engineering features described in the above referenced application and subject to the proposed permit conditions provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 and 62-204 through 62-297. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including, but not limited to, the electrical, mechanical, structural, hydrological, geological, and meteorological features).

This review was conducted by Tom Cascio under my responsible supervision.



Jonathan K. Holtom, P.E.
Registration Number: 0052664

6/24/08
Date



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

June 30, 2008

Electronic Mail – Received Receipt Requested.

Mr. Gary E. Willer, General Manager
Indiantown Cogeneration, L.P.
Post Office Box 1799
13303 SW Silver Fox Lane
Indiantown, Florida 34956

Re: Draft Air Construction Permit No. 0850102-017-AC
Draft/Proposed Title V Permit No. 0850102-018-AV
Indiantown Cogeneration, L.P., Indiantown Cogeneration Facility
Air Construction Permit and Title V Permit Revision

Dear Mr. Willer:

Enclosed is the draft air construction permit to correct the auxiliary boilers' hours and draft/proposed permit package to revise the Title V air operation permit for the Indiantown Cogeneration Facility. This facility is located in Martin County at 13303 SW Silver Fox Lane, Indiantown, Florida. The permit package includes the following documents:

- The draft/proposed air construction permit which corrects the auxiliary boilers hours restriction.
- The Statement of Basis, which summarizes the facility, the equipment, the primary rule applicability, and the changes since the last Title V revision.
- The draft/proposed Title V air operation permit revision, which include the specific permit conditions that regulate the emissions units covered by the proposed project.
- The Written Notice of Intent to Issue Air Permit provides important information regarding: the Permitting Authority's intent to issue air permits for the proposed project; the requirements for publishing a Public Notice of the Permitting Authority's intent to issue air permits; the procedures for submitting comments on the revised Draft Permits; the process for filing a petition for an administrative hearing; and the availability of mediation.
- The Public Notice of Intent to Issue Air Permits is the actual notice that you must have published in the legal advertisement section of a newspaper of general circulation in the area affected by this project.

If you have any questions, please contact the Project Engineer, Tom Cascio, by telephone at 850-921-9526 or by email at tom.cascio@dep.state.fl.us.

Sincerely,

Trina L. Vielhauer, Chief
Bureau of Air Regulation

TLV/jkh/tbc

Enclosures

**WRITTEN NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT AND TITLE V AIR
OPERATION PERMIT REVISION**

In the Matter of an

Application for Air Construction Permit and Title V Air Operation Permit by:

Indiantown Cogeneration, L.P.
Post Office Box 1799
13303 SW Silver Fox Lane
Indiantown, Florida 34956

Responsible Official:

Gary E. Willer, General Manager

Draft Permit 0850102-017-AC
Draft/Proposed Permit 0850102-018-AV
Facility ID No. 0850102
Indiantown Cogeneration Facility
Auxiliary Boilers Hours Correction
Martin County, Florida

Facility Location: Indiantown Cogeneration, L.P. operates the Indiantown Cogeneration Facility, which is located at 3303 SW Silver Fox Lane, Indiantown, in Martin County, Florida.

Project: The purpose of this project is to issue an air construction (AC) permit and revise Title V air operation permit No. 0850102-013-AV. Specifically, this project is to revise the Indiantown Cogeneration Facility's Title V air operation permit to (1) correct the permitted hours for the Auxiliary Boilers and (2) update the specific conditions related to New Source Performance Standards (NSPS) - 40 Code of Federal Regulations (CFR) 60, Subpart Da, for the Pulverized Coal Main Boiler.

The facility's current Title V Air Operation Permit contains Specific Condition F.7. that states erroneously that "The combined operation of the auxiliary boilers shall not exceed 5,000 hours during any consecutive 12-month period." Department records show that the original October 2005 construction permit application stated "Each boiler will be operated for a maximum of 5,000 hours per year." The erroneous wording was adopted from the previously issued final AC permit 0850102-008-AC. The erroneous wording was also included in the Technical Evaluation and Preliminary Determination that supported the AC permit. Therefore, the operating hours language needs to be corrected to indicate 5,000 hours per year per boiler. We note that Specific Condition F.11. of the facility's Title V permit properly shows tons per year calculations based on allowable hours of 5,000 hours per year per boiler, so no new analysis of emissions is required. Further details of the project are provided in the application, the enclosed Statement of Basis and the Technical Evaluation and Preliminary Determination.

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

Applications for Title V air operation permits are subject to review in accordance with the provisions of Chapter 403, F.S. and Chapters 62-4, 62-210, 62-213 and 62-296.470 of the F.A.C. The proposed project is not exempt from air permitting requirements and a Title V air operation permit is required to operate the facility. The Bureau of Air Regulation is the Permitting Authority responsible for making a permit determination for this project. The Permitting Authority's physical address is: 111 South Magnolia Drive, Suite #4, Tallahassee, Florida. The Permitting Authority's mailing address is: 2600 Blair Stone Road, MS #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 address indicated above for the Permitting Authority. The complete project file includes the Draft Air Construction Permit, the Draft/Proposed Title V Permit, the Statement of Basis, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may view the Draft Air

Indiantown Cogeneration, L.P.
Indiantown Cogeneration Facility

Draft 0850102-017-AC
Draft/Proposed 0850102-018-AV
Auxiliary Boilers Hours Correction

**WRITTEN NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT AND TITLE V AIR
OPERATION PERMIT REVISION**

Construction Permit and the Draft/Proposed Title V Permit by visiting the following website:

<http://www.dep.state.fl.us/air/eproducts/apds/default.asp> and entering the permit number shown above.

Interested persons may contact the Permitting Authority's project review engineer for additional information at the address or phone number listed above.

Notice of Intent to Issue Permit: The Permitting Authority gives notice of its intent to issue an air construction permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of the proposed equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

The Permitting Authority gives notice of its intent to issue a revised Title V air operation permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of the proposed equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft/Proposed Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

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

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

The Permitting Authority will accept written comments concerning the Draft/Proposed Title V air operation permit for a period of 30 days from the date of publication of the attached Public Notice. Written comments must be received by the close of business (5:00 p.m.), on or before the end of this 30-day period by the Permitting Authority at the above address. As part of his or her comments, any person may also request that the Permitting Authority hold a public meeting on this permitting action. If the Permitting Authority determines there is sufficient interest for a public meeting, it will publish notice of the time, date, and location on the official web site for notices at Florida Administrative Weekly (FAW) at <http://faw.dos.state.fl.us/> and in a newspaper of general circulation in the area affected by the permitting action. For additional information,

Indiantown Cogeneration, L.P.
Indiantown Cogeneration Facility

Draft 0850102-017-AC
Draft/Proposed 0850102-018-AV
Auxiliary Boilers Hours Correction

WRITTEN NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT AND TITLE V AIR OPERATION PERMIT REVISION

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/Proposed Permit, the Permitting Authority shall issue a Revised 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, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the applicant or any of the parties listed below must be filed within 14 days of receipt of this Written Notice of Intent to Issue Air Permit. Petitions filed by any persons other than those entitled to written notice under Section 120.60(3), F.S., must be filed within 14 days of publication of the attached Public Notice or within 14 days of receipt of this Written Notice of Intent to Issue Air Permit, whichever occurs first. Under Section 120.60(3), F.S., however, any person who asked the Permitting Authority for notice of agency action may file a petition within 14 days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above, at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under Sections 120.569 and 120.57, F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, 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 when and how each petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact. If there are none, the petition must so 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 including an explanation of how the alleged facts relate to the specific rules or statutes; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

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

Mediation: Mediation is not available in this proceeding.

EPA Review: EPA has agreed to treat the Draft/Proposed Title V air operation permit as a Proposed Title V air operation permit and to perform its 45-day review provided by the law and regulations concurrently with the public comment period. Although EPA's 45-day review period will be performed concurrently with the public

**WRITTEN NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT AND TITLE V AIR
OPERATION PERMIT REVISION**

comment period, the deadline for submitting a citizen petition to object to the EPA Administrator will be determined as if EPA's 45-day review period is performed after the public comment period has ended. The Final Title V air operation permit will be issued after the conclusion of the 45-day EPA review period so long as no adverse comments are received that results in a different decision or significant change of terms or conditions. The status regarding EPA's 45-day review of this project and the deadline for submitting a citizen petition can be found at the following website address: <http://www.epa.gov/region4/air/permits/Florida.htm>.

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

Executed in Tallahassee, Florida.



Trina L. Vielhauer, Chief
Bureau of Air Regulation

WRITTEN NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT AND TITLE V AIR OPERATION PERMIT REVISION

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Written Notice of Intent to Issue Air Permits package (including the Public Notice, the Statement of Basis, the Draft Air Construction Permit, and the Draft/Proposed Permit) was sent by electronic mail with received receipt requested before the close of business on 7/1/08 to the persons listed below.

Gary E. Willer, ICLP: GaryWiller@Cogentrix.com

Nicholas Laryea, ICLP: NicholasLaryea@Cogentrix.com

George S. Lipka, P.E., EnviroBusiness, Inc.: glipka@ebiconsulting.com

Lee Hoefert, P.E., Southeast District Office: lee.hoefert@dep.state.fl.us

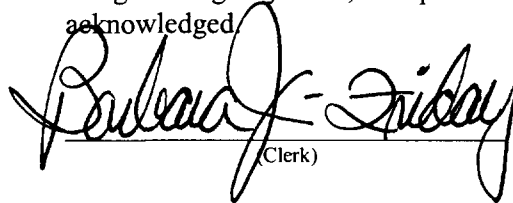
Gracy Danois, EPA Region 4: danois.gracy@epa.gov

Katy Forney, EPA Region 4: forney.kathleen@epa.gov

Barbara Friday, DEP BAR: Barbara.Friday@dep.state.fl.us (for posting with U.S. EPA, Region 4)

Clerk Stamp

FILED AND ACKNOWLEDGMENT FILED, on this date, pursuant to Section 120.52(7), Florida Statutes, with the designated agency clerk, receipt of which is hereby acknowledged.



(Clerk)

7/1/08
(Date)

PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT AND TITLE V AIR OPERATION PERMIT REVISION

Florida Department of Environmental Protection
Division of Air Resource Management, Bureau of Air Regulation
Draft Air Construction Permit No. 0850102-017-AC
Draft/Proposed Title V Air Operation Permit Revision No. 0850102-018-AV
Indiantown Cogeneration, L.P., Indiantown Cogeneration Facility
Martin County, Florida

Applicant: The applicant for this project is Indiantown Cogeneration, L.P. The applicant's authorized representative and mailing address is: Gary E. Willer, General Manager, Indiantown Cogeneration, L.P., Indiantown Cogeneration Facility, Post Office Box 1799, 13303 SW Silver Fox Lane, Indiantown, Florida, 34956.

Facility Location: Indiantown Cogeneration, L.P., operates the existing Indiantown Cogeneration Facility, which is located in Martin County at 13303 SW Silver Fox Lane in Indiantown, Florida.

Project: The purpose of this project is to issue an air construction permit and revise Title V air operation permit No. 0850102-013-AV. Specifically, this project is to revise the Indiantown Cogeneration Facility's Title V air operation permit to (1) correct the permitted hours for the Auxiliary Boilers and (2) update the specific conditions related to New Source Performance Standards (NSPS) - 40 Code of Federal Regulations (CFR) 60, Subpart Da, for the Pulverized Coal Main Boiler.

The facility's current Title V Air Operation Permit contains Specific Condition F.7. that states erroneously that "The combined operation of the auxiliary boilers shall not exceed 5,000 hours during any consecutive 12-month period." Department records show that the original October 2005 air construction (AC) permit application stated "Each boiler will be operated for a maximum of 5,000 hours per year." The erroneous wording was adopted from the previously issued final AC permit 0850102-008-AC. The improper wording was also included in the Technical Evaluation and Preliminary Determination that supported the AC permit. Therefore, the operating hours language needs to be corrected to indicate 5,000 hours per year per boiler. We note that Specific Condition F.11. of the facility's Title V permit properly shows tons per year calculations based on allowable hours of 5,000 hours per year per boiler, so no new analysis of emissions is required.

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

Applications for Title V air operation permits are subject to review in accordance with the provisions of Chapter 403, F.S. and Chapters 62-4, 62-210, 62-213 and 62-296.470 of the F.A.C. The proposed project is not exempt from air permitting requirements and a Title V air operation permit is required to operate the facility. The Bureau of Air Regulation is the Permitting Authority responsible for making a permit determination for this project. The Permitting Authority's physical address is: 111 South Magnolia Drive, Suite #4, Tallahassee, Florida. The Permitting Authority's mailing address is: 2600 Blair Stone Road, MS #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 address indicated above for the Permitting Authority. The complete project file includes the Draft Air Construction Permit, the Draft/Proposed Title V Permit, the Statement of Basis, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may view the Draft Air Construction Permit and the Draft/Proposed Title V Permit by visiting the following website: <http://www.dep.state.fl.us/air/eproducts/apds/default.asp> and entering the permit number shown above. Interested persons may contact the Permitting Authority's project review engineer for additional information at

(Public Notice to be Published in the Newspaper)

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

the address or phone number listed above.

Notice of Intent to Issue Air Permit: The Permitting Authority gives notice of its intent to issue an air construction permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of proposed equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

The Permitting Authority gives notice of its intent to issue a Title V air operation permit to the applicant for the project described above. The applicant has provided reasonable assurance that operation of proposed equipment will not adversely impact air quality and that the project will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 and 62-297, F.A.C. The Permitting Authority will issue a Final Permit in accordance with the conditions of the proposed Draft/Proposed Permit unless a timely petition for an administrative hearing is filed under Sections 120.569 and 120.57, F.S. or unless public comment received in accordance with this notice results in a different decision or a significant change of terms or conditions.

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

The Permitting Authority will accept written comments concerning the Draft/Proposed Title V air operation Permit for a period of 30 days from the date of publication of this Public Notice. Written comments and all e-mail comments must be received by the close of business (5:00 p.m.), on or before the end of this 30-day period by the Permitting Authority at the above address or email. 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 official web site for notices at Florida Administrative Weekly (FAW) at <http://faw.dos.state.fl.us/> 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/Proposed Permit, the Permitting Authority shall issue a Revised 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 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 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

(Public Notice to be Published in the Newspaper)

PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT AND TITLE V AIR OPERATION PERMIT REVISION

subsequent intervention (in a proceeding initiated by another party) will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205, F.A.C.

A petition that disputes the material facts on which the Permitting Authority's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address 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 when and how the petitioner received notice of the agency action or proposed decision; (d) A statement of all disputed issues of material fact. If there are none, the petition must so 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 including an explanation of how the alleged facts relate to the specific rules or statutes; and, (g) A statement of the relief sought by the petitioner, stating precisely the action the petitioner wishes the agency to take with respect to the agency's proposed action. A petition that does not dispute the material facts upon which the Permitting Authority's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301, F.A.C.

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

Mediation: Mediation is not available for this proceeding.

EPA Review: EPA has agreed to treat the Draft/Proposed Title V air operation permit as a Proposed Title V air operation permit and to perform its 45-day review provided by the law and regulations concurrently with the public comment period. Although EPA's 45-day review period will be performed concurrently with the public comment period, the deadline for submitting a citizen petition to object to the EPA Administrator will be determined as if EPA's 45-day review period is performed after the public comment period has ended. The Final Title V air operation permit will be issued after the conclusion of the 45-day EPA review period so long as no adverse comments are received that results in a different decision or significant change of terms or conditions. The status regarding EPA's 45-day review of this project and the deadline for submitting a citizen petition can be found at the following website address: <http://www.epa.gov/region4/air/permits/Florida.htm>.

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

**TECHNICAL EVALUATION
AND
PRELIMINARY DETERMINATION**

Indiantown Cogeneration, L.P.
Indiantown Cogeneration Plant
Auxiliary Boilers Hours Correction
Martin County

DEP File No. 0850102-017-AC



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

June 30, 2008

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

1. GENERAL PROJECT INFORMATION

Applicant Name and Address

Indiantown Cogeneration, L.P.
P.O. Box 1799
13303 S.W. Silver Fox Lane
Indiantown, Florida 34956

Authorized Representative:

Mr. Gary E. Willer, General Manager

Processing Schedule

April 30, 2008: Air construction permit application received.

Facility Description and Location

Indiantown Cogeneration, L.P. owns and operates the Indiantown Cogeneration Plant, a facility that generates electricity for sale and exports steam to the Louis Dreyfus Citrus Processing Plant. The facility includes one high-pressure pulverized coal main boiler (PC boiler), rated at 3,422 million British thermal units (MMBtu)/hour heat input, and has a nominal net electrical power output of approximately 330 megawatts (MW). It is permitted to fire natural gas, propane, or No. 2 fuel oil for startup, shutdown, or load changes. The unit is equipped with low nitrogen oxides (NO_x) burners, overfire air, a steam coil air heater and air preheater, dual register burners and windbox design, a selective catalytic reduction system, a spray dryer absorber, and a fabric filter baghouse. Also included are two identical auxiliary boilers used for supplying steam to the steam host during times when the PC boiler is offline, as well as during PC boiler startup and shutdown periods. This facility is located 9 miles east of Lake Okeechobee, and 3 miles northwest of Indiantown, Martin County; Universal Transverse Mercator (UTM) Coordinates are: Zone 17, 422.3 km East and 2952.9 km North; Latitude: 27° 02' 20" North and Longitude: 80° 30' 45" West.



Figure 1. Map of Indiantown Site Location and Photograph of Indiantown Cogeneration Plant.

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

Major Regulatory Categories

The key regulatory provisions applicable to the facility are:

Title I, Part C, Clean Air Act (CAA): The facility is located in an area that is designated as “attainment”, “maintenance”, or “unclassifiable” for each pollutant subject to a National Ambient Air Quality Standard (NAAQS). It is classified as a “fossil fuel-fired steam electric plant of more than 250 million BTU per hour of heat input”, which is one of the 28 Prevention of Significant Deterioration (PSD) Major Facility Categories with the lower PSD applicability threshold of 100 tons per year. Potential emissions of at least one regulated pollutant exceed 100 tons per year, therefore the facility is classified as a “major stationary source” of air pollution with respect to Rule 62-212.400, F.A.C., Prevention of Significant Deterioration of Air Quality.

Title I, Section 111, CAA: The PC boiler is subject to Subpart Da (Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978) of the New Source Performance Standards in 40 CFR 60.

Title I, Section 112, CAA: The facility is a “Major Source” of hazardous air pollutants (HAP).

Title V, CAA: The facility is a Title V or “Major Source of Air Pollution” in accordance with Chapter 62-213, F.A.C., because the potential emissions of at least one regulated pollutant exceed 100 tons per year. Regulated pollutants include pollutants such as carbon monoxide (CO), NO_x, particulate matter (PM/PM₁₀), sulfur dioxide (SO₂), and volatile organic compounds (VOC). The plant currently operates under Title V Air Operations Permit No. 0850102-013-AV.

CAIR: The facility is subject to the Federal Clean Air Interstate Rule (CAIR) in accordance with the Final Department Rules issued pursuant to CAIR as implemented by FDEP in Rule 62-296.470, F.A.C.

CAM: The facility is subject to compliance assurance monitoring (CAM). Because continuous emissions monitors (CEMS) are used to demonstrate compliance with the applicable standards for NO_x and SO₂, a CAM plan is not required for either the selective catalytic reduction (SCR) system, or the spray dryer absorber. However, a CAM plan is required for the fabric filter baghouse.

Siting: The facility is a steam electrical generating plant and is subject to the power plant siting provisions of Chapter 62-17, F.A.C.

Proposed Project

This permit corrects the wording of the limitation of operating hours originally specified in 0850102-008-AC for the two auxiliary boilers located at the facility. The facility’s current Title V Air Operation Permit contains Specific Condition F.7. that states erroneously that “The combined operation of the auxiliary boilers shall not exceed 5,000 hours during any consecutive 12-month period.” Department records show that the original October 2005 construction permit application stated “Each boiler will be operated for a maximum of 5,000 hours per year.” The erroneous wording was adopted from the previously issued final AC permit 0850102-008-AC. The erroneous wording was also included in the Technical Evaluation and Preliminary Determination that supported the AC permit. Therefore, the operating hours language needs to be corrected to indicate 5,000 hours per year per boiler. We note that Specific Condition F.11. of the facility’s Title V permit properly shows tons per year calculations based on allowable hours of 5,000 hours per year per boiler, so no new analysis of emissions is required. Further details of the problem follow below.

Analysis of Error

Department records show that the original October 2005 construction permit application stated that the new emissions unit consisted of “two packaged watertube steam boilers with a combined maximum rated capacity of 350 MMBtu/hr when firing natural gas and 341 MMBtu/hr when firing propane. Each boiler

TECHNICAL EVALUATION AND PRELIMINARY DETERMINATION

will be operated for a maximum of 5,000 hours per year.” Recent discussions with the applicant revealed that (1) each boiler can run independently, and (2) these combined maximum rated capacities were derived by adding the *individual* boiler maximum rated capacities of 175 MMBtu/hr/boiler (for natural gas) and 170.5 MMBtu/hr/boiler (for propane). The Technical Evaluation and Preliminary Determination that supported the earlier AC permit derived maximum potential to emit (PTE) pollutant emissions using the *combined* maximum rated capacity of 350 MMBtu/hr for all calculations. Therefore, the Department’s conclusion is that the proper hours limitation language for the auxiliary boilers is “each boiler is limited to a maximum of 5,000 hours per year.”

3. REGULATIONS THAT APPLY TO THE PROJECT

State Regulations

This project is subject to the applicable environmental laws specified in Section 403 of the Florida Statutes (F.S.). The Florida Statutes authorize the Department of Environmental Protection to establish rules and regulations regarding air quality as part of the Florida Administrative Code (F.A.C.). This project is subject to the applicable rules and regulations defined in the following Chapters of the Florida Administrative Code. These include: 62-4 (Permitting Requirements); 62-204 (Ambient Air Quality Requirements, PSD Increments, and Federal Regulations Adopted by Reference); 62-210 (Permits Required, Public Notice, Reports, Stack Height Policy, Circumvention, Excess Emissions, and Forms); 62-212 (Preconstruction Review, PSD Review and BACT); 62-213 (Title V Air Operation Permits for Major Sources of Air Pollution); 62-296 (Emission Limiting Standards); and 62-297 (Test Methods and Procedures, Continuous Monitoring Specifications, and Alternate Sampling Procedures).

4. OTHER APPLICABLE REGULATIONS

The requirements already listed in the facility’s existing Title V Air Operation Permit No. 0850102-013-AV are comprehensive and sufficient for the future operation of the facility. The main additional requirement is for an air construction permit pursuant to Rules 62-4, 62-210 and 62-212.300, F.A.C., to proceed with the project.

PERMITTEE

Indiantown Cogeneration, L.P.
P.O. Box 1799
13303 SW Silver Fox Lane
Indiantown, Florida 34596

Authorized Representative:
Mr. Gary E. Willer, General Manager

Air Permit No. 0850102-017-AC Facility ID No. 0850102 SIC No. 4931 Auxiliary Boilers Hours Correction Permit Expires: December 31, 2008

PROJECT AND LOCATION

This permit corrects the wording of the limitation of operating hours originally specified in 0850102-008-AC for the two auxiliary boilers located at the Indiantown Cogeneration Plant (the facility). The facility is located in Martin County at 13303 SW Silver Fox Lane, Indiantown, Florida 34956.

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.) and Title 40, Parts 60 and 63 of the Code of Federal Regulations (CFR). The permittee is authorized to install the proposed equipment in accordance with the conditions of this permit and as described in the application, approved drawings, plans, and other documents on file with the Department.

CONTENTS

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

Joseph Kahn, Director
Division of Air Resource Management

(Date)

SECTION 1. GENERAL INFORMATION

FACILITY AND PROJECT DESCRIPTION

The Indiantown Cogeneration Plant is a cogeneration facility which generates electricity for sale and exports steam to the Louis Dreyfus Citrus Processing Plant. This facility is located 9 miles east of Lake Okeechobee, and 3 miles northwest of Indiantown, Martin County; UTM Coordinates: Zone 17, 422.3 km East and 2952.9 km North; Latitude: 27° 02' 20" North and Longitude: 80° 30' 45" West. The facility includes one high-pressure pulverized coal main boiler (PC boiler) rated at 3,422 million British thermal units (MMBtu)/hour heat input, and has a nominal net electrical power output of approximately 330 megawatts (MW). It is permitted to fire natural gas, propane, or No. 2 fuel oil for startup, shutdown, or load changes.

Also included are two natural gas (or propane) fired identical auxiliary boilers used for supplying steam to the steam host during times when the PC boiler is offline, as well as during PC boiler startup and shutdown periods. The two identically sized packaged water-tube steam boilers have a combined rated maximum capacity of 350 MMBtu/hr. Steam produced by the auxiliary boilers is not used to generate electricity. In addition, the facility has a variety of ancillary equipment needed to support operations as a coal-fired cogeneration plant.

This permit corrects the wording of the limitation of operating hours originally specified in 0850102-008-AC for the two auxiliary boilers located at the facility. The facility's current Title V Air Operation Permit contains Specific Condition F.7. that states erroneously that "The combined operation of the auxiliary boilers shall not exceed 5,000 hours during any consecutive 12-month period." Department records show that the original October 2005 construction permit application stated "Each boiler will be operated for a maximum of 5,000 hours per year." The erroneous wording was adopted from the previously issued final AC permit 1050102-008-AC. The erroneous wording was also included in the Technical Evaluation and Preliminary Determination that supported the AC permit. Therefore, the operating hours language needs to be corrected to indicate 5,000 hours per year per boiler. We note that Specific Condition F.11. of the facility's Title V permit properly shows tons per year calculations based on allowable hours of 5,000 hours per year per boiler, so no new analysis of emissions is required.

ID	Emission Unit Description
007	Emissions Unit 007 includes (2) Victory Energy Model 23M Keystone packaged water-tube steam boilers each with a maximum rated capacity of 175 MMBtu/hr (combined maximum rated capacity of 350 MMBtu/hr) when firing natural gas and 170.5 MMBtu/hr (341 MMBtu/hr combined) when firing propane.

REGULATORY CLASSIFICATION

Title III: The facility is a potential major source of hazardous air pollutants (HAP).

NESHAP: The facility does not operate units subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) in 40 Code of Federal Regulations (CFR) 63.

Title V: The facility is a Title V major source of air pollution in accordance with Chapter 213, Florida Administrative Code (F.A.C.).

PSD: The facility is a Prevention of Significant Deterioration (PSD)-major stationary source in accordance with Rule 62-212.400, F.A.C.

CAIR: The facility is subject to the Clean Air Interstate Rule (CAIR).

CAM: The facility is subject to compliance assurance monitoring (CAM). Because continuous emissions monitors (CEMS) are used to demonstrate compliance with the applicable standards for NO_x

SECTION 1. GENERAL INFORMATION

and SO₂, a CAM plan is not required for either the selective catalytic reduction (SCR) system, or the spray dryer absorber. However, a CAM plan is required for the fabric filter baghouse.

Siting: The facility is subject to Power Plant Siting Case No. PA 90-31.

RELEVANT DOCUMENTS

The following relevant documents are not a part of this permit, but helped form the basis for this permitting action: the permit application and additional information received to make it complete, and the Technical Evaluation and Preliminary Determination.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The Permitting Authority for this project is the Bureau of Air Regulation in the Division of Air Resource Management of the Department. The mailing address for the Bureau of Air Regulation is 2600 Blair Stone Road, MS #5505, Tallahassee, Florida 32399-2400.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Southeast District Office. The mailing address and phone number of the Southeast District Office are: 400 North Congress Avenue, West Palm Beach, Florida 33401, Telephone: 561/681-6600, Fax: 561/681-6755.
3. Appendices: The following Appendices are attached as part of this permit: Appendix GC (General Conditions); and Appendix C (Common State Regulatory Requirements).
4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.
5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
6. Modifications: No emissions unit shall be constructed or modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]

SECTION 3. EMISSIONS UNITS SPECIFIC CONDITIONS

This section of the permit addresses the following emissions unit.

AIR RESOURCE MANAGEMENT SYSTEM (ARMS) Emissions Unit 007

Emissions Unit 007 includes (2) Victory Energy Model 23M Keystone packaged water-tube steam boilers each with a maximum rated capacity of 175 MMBtu/hr (combined maximum rated capacity of 350 MMBtu/hr) when firing natural gas and 170.5 MMBtu/hr (341 MMBtu/hr combined) when firing propane.

{Permitting Note: The unit remains subject to the applicable requirements of current Title V Air Operation Permit No. 0850102-013-AV.}

PREVIOUS APPLICABLE REQUIREMENTS

1. **Other Permits:** Condition 2 of this permit replaces Condition 4 in air construction permit 0850102-008-AC, and Condition 3 replaces Condition 6 in air construction permit 0850102-008-AC. [Rule 62-4.070, F.A.C.]

EQUIPMENT AND PERFORMANCE RESTRICTIONS

2. **Permitted Capacity:** the combined heat input to the identically sized auxiliary boilers shall not exceed 350 MMBtu per hour while firing natural gas, or 341 MMBtu per hour while firing propane. The heat input to each auxiliary boiler shall not exceed 175 MMBtu per hour while firing natural gas, or 170.5 MMBtu per hour while firing propane. [Design, Rule 62-210.200, F.A.C. (Definition - PTE); and 0850102-008-AC, Specific Condition 4.]
3. **Hours of Operation:** The operation of each auxiliary boiler shall not exceed 5,000 hours during any consecutive 12-month period. The permittee shall calibrate, operate and maintain a monitoring system to measure and accumulate the amount of natural gas as well as propane fired and the hours of operation for each auxiliary boiler.
[Rule 62-210.200, F.A.C. (Definitions - PTE), Rule 62-212.400 (2)(g), F.A.C. (PSD Avoidance); and 0850102-008-AC, Specific Condition 6.]

SECTION 4. APPENDIX C
COMMON STATE REGULATORY REQUIREMENTS

{Permitting Note: Unless otherwise specified by permit, the following conditions apply to all emissions units and activities at the facility.}

EMISSIONS AND CONTROLS

1. **Plant Operation - Problems**: If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by fire, wind or other cause, the permittee shall notify each Compliance Authority as soon as possible, but at least within one working day, excluding weekends and holidays. The notification shall include: pertinent information as to the cause of the problem; steps being taken to correct the problem and prevent future recurrence; and, where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with the conditions of this permit or the regulations. [Rule 62-4.130, F.A.C.]
2. **Circumvention**: The permittee shall not circumvent the air pollution control equipment or allow the emission of air pollutants without this equipment operating properly. [Rule 62-210.650, F.A.C.]
3. **Excess Emissions Allowed**: Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24 hour period unless specifically authorized by the Department for longer duration. [Rule 62-210.700(1), F.A.C.]
4. **Excess Emissions Prohibited**: Excess emissions caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure that may reasonably be prevented during startup, shutdown or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]
5. **Excess Emissions - Notification**: In case of excess emissions resulting from malfunctions, the permittee shall notify the Department or the appropriate Local Program in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department. [Rule 62-210.700(6), F.A.C.]
6. **VOC or OS Emissions**: No person shall store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. [Rule 62-296.320(1), F.A.C.]
7. **Objectionable Odor Prohibited**: No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rules 62-296.320(2) and 62-210.200(217), F.A.C.]
8. **General Visible Emissions**: No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20 percent opacity. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b)1, F.A.C.]
9. **Unconfined Particulate Emissions**: During the construction period, unconfined particulate matter emissions shall be minimized by dust suppressing techniques such as covering and/or application of water or chemicals to the affected areas, as necessary. [Rule 62-296.320(4)(c), F.A.C.]

TESTING REQUIREMENTS

10. **Required Number of Test Runs**: For mass emission limitations, a compliance test shall consist of three complete and separate determinations of the total air pollutant emission rate through the test section of the stack or duct and three complete and separate determinations of any applicable process variables corresponding to the three distinct time periods during which the stack emission rate was measured; provided, however, that three complete and separate determinations shall not be required if the process variables are not subject to variation during a compliance test, or if three determinations are not necessary in order to calculate the unit's emission rate. The three required test runs shall be completed within one consecutive five-day period. In the event that a sample is lost or one of the three runs must be discontinued because of circumstances beyond the control of the owner or operator, and a valid third run cannot be obtained within the five-day period allowed for the test, the Secretary or his or her designee may accept the results of two complete runs as proof of compliance, provided that the arithmetic mean of the two complete runs is at least 20% below the allowable emission limiting standard. [Rule 62-297.310(1), F.A.C.]

SECTION 4. APPENDIX C

COMMON STATE REGULATORY REQUIREMENTS

11. Operating Rate During Testing: Testing of emissions shall be conducted with the emissions unit operating at permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test rate until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. [Rule 62-297.310(2), F.A.C.]
12. Calculation of Emission Rate: For each emissions performance test, the indicated emission rate or concentration shall be the arithmetic average of the emission rate or concentration determined by each of the three separate test runs unless otherwise specified in a particular test method or applicable rule. [Rule 62-297.310(3), F.A.C.]
13. Test Procedures: Tests shall be conducted in accordance with all applicable requirements of Chapter 62-297, F.A.C.
 - a. *Required Sampling Time*. 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. The minimum observation period for a visible emissions compliance test shall be thirty (30) minutes. The observation period shall include the period during which the highest opacity can reasonably be expected to occur.
 - b. *Minimum Sample Volume*. Unless otherwise specified in the applicable rule or test method, the minimum sample volume per run shall be 25 dry standard cubic feet.
 - c. *Calibration of Sampling Equipment*. Calibration of the sampling train equipment shall be conducted in accordance with the schedule shown in Table 297.310-1, F.A.C.[Rule 62-297.310(4), F.A.C.]
14. 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.]
15. Sampling Facilities: The permittee shall install permanent stack sampling ports and provide sampling facilities that meet the requirements of Rule 62-297.310(6), F.A.C.
16. Test Notification: The owner or operator shall notify the Department, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator. [Rule 62-297.310(7)(a)9, F.A.C.]
17. Special Compliance Tests: When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department. [Rule 62-297.310(7)(b), F.A.C.]
18. Test Reports: The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Department on the results of each such test. The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed. The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the Department to

SECTION 4. APPENDIX C
COMMON STATE REGULATORY REQUIREMENTS

determine if the test was properly conducted and the test results properly computed. As a minimum, the test report, other than for an EPA or DEP Method 9 test, shall provide the following information:

1. The type, location, and designation of the emissions unit tested.
2. The facility at which the emissions unit is located.
3. The owner or operator of the emissions unit.
4. The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.
5. The means, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emission limiting standard.
6. The type of air pollution control devices installed on the emissions unit, their general condition, their normal operating parameters (pressure drops, total operating current and GPM scrubber water), and their operating parameters during each test run.
7. A sketch of the duct within 8 stack diameters upstream and 2 stack diameters downstream of the sampling ports, including the distance to any upstream and downstream bends or other flow disturbances.
8. The date, starting time and duration of each sampling run.
9. The test procedures used, including any alternative procedures authorized pursuant to Rule 62-297.620, F.A.C. Where optional procedures are authorized in this chapter, indicate which option was used.
10. The number of points sampled and configuration and location of the sampling plane.
11. For each sampling point for each run, the dry gas meter reading, velocity head, pressure drop across the stack, temperatures, average meter temperatures and sample time per point.
12. The type, manufacturer and configuration of the sampling equipment used.
13. Data related to the required calibration of the test equipment.
14. Data on the identification, processing and weights of all filters used.
15. Data on the types and amounts of any chemical solutions used.
16. Data on the amount of pollutant collected from each sampling probe, the filters, and the impingers, are reported separately for the compliance test.
17. The names of individuals who furnished the process variable data, conducted the test, analyzed the samples and prepared the report.
18. All measured and calculated data required to be determined by each applicable test procedure for each run.
19. The detailed calculations for one run that relate the collected data to the calculated emission rate.
20. The applicable emission standard and the resulting maximum allowable emission rate for the emissions unit plus the test result in the same form and unit of measure.
21. A certification that, to the knowledge of the owner or his authorized agent, all data submitted are true and correct. When a compliance test is conducted for the Department or its agent, the person who conducts the test shall provide the certification with respect to the test procedures used. The owner or his authorized agent shall certify that all data required and provided to the person conducting the test are true and correct to his knowledge.

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

RECORDS AND REPORTS

19. **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) and 62-213.440(1)(b)2, F.A.C.]
20. **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.]

SECTION 4. APPENDIX GC
GENERAL PERMIT CONDITIONS

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

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:
 - a. Have access to and copy and records that must be kept under the conditions of the permit;
 - b. Inspect the facility, equipment, practices, or operations regulated or required under this permit, and,
 - c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

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

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

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.73

SECTION 4. APPENDIX GC
GENERAL PERMIT CONDITIONS

and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

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

STATEMENT OF BASIS

PROJECT DESCRIPTION

The purpose of this project is to revise the Indiantown Cogeneration Facility's Title V air operation permit to (1) correct the permitted hours for the auxiliary boilers and (2) update the specific conditions related to New Source Performance Standards (NSPS) - 40 Code of Federal Regulations (CFR) 60, Subpart Da, for the Pulverized Coal Main Boiler.

FACILITY DESCRIPTION

The Indiantown Cogeneration Plant is a cogeneration facility which generates electricity for sale and exports steam to the Louis Dreyfus Citrus Processing Plant. The facility includes one high-pressure pulverized coal (PC) main boiler rated at 3,422 million British thermal units (MMBtu)/hour heat input, and has a nominal net electrical power output of approximately 330 megawatts (MW). It is permitted to fire natural gas, propane, or No. 2 fuel oil for startup, shutdown, or load changes. It commenced commercial operation in July, 1995.

The unit is equipped with low nitrogen oxides (NO_x) burners, overfire air, a steam coil air heater and air preheater, dual register burners and windbox design, a selective catalytic reduction system, spray dryer absorber, and fabric filter baghouse.

Also included are two identical auxiliary boilers used for supplying steam to the steam host during times when the PC boiler is offline, as well as during PC boiler startup and shutdown periods. Steam produced by the auxiliary boilers is not used to generate electricity. In addition, the facility has a variety of ancillary equipment needed to support operations as a coal-fired cogeneration plant.

PRIMARY REGULATORY REQUIREMENTS

The existing facility is regulated under:

Title III: The facility is identified as a potential major source of hazardous air pollutants (HAP).

Title V: The facility is a Title V major source of air pollution in accordance with Chapter 213, Florida Administrative Code (F.A.C.).

PSD: The facility is a Prevention of Significant Deterioration (PSD)-major source of air pollution in accordance with Rule 62-212.400, F.A.C.

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

CAIR: The facility is subject to the Clean Air Interstate Rule (CAIR) set forth in Rule 62-296.470, F.A.C.

Siting: Unit 1 was originally certified pursuant to the power plant siting provisions of Chapter 62-17, F.A.C.

CAM: The facility is subject to compliance assurance monitoring (CAM). Because continuous emissions monitors (CEMS) are used to demonstrate compliance with the applicable standards for NO_x and sulfur dioxide (SO₂), a CAM plan is not required for either the selective catalytic reduction (SCR) system, or the spray dryer absorber. However, a CAM plan is required for the fabric filter baghouse.

STATEMENT OF BASIS

APPLICABLE REGULATIONS

In addition to federal rules above, this facility is subject to the following state rules:

APPLICABLE REGULATIONS	EU ID
Rule 62-4, F.A.C. (Permitting Requirements)	001, 002, 003, 004, 005, 006, 007
Rule 62-204, F.A.C. (Ambient Air Quality Requirements, PSD Increments, and Federal Regulations Adopted by Reference)	
Rule 62-210, F.A.C. (Permits Required, Public Notice, Reports, Stack Height Policy, Circumvention, Excess Emissions, and Forms)	
Rule 62-212, F.A.C. (Preconstruction Review, PSD Review and BACT)	
Rule 62-213, F.A.C. (Title V Air Operation Permits for Major Sources of Air Pollution)	
Rule 62-296, F.A.C. (Emission Limiting Standards)	
Rule 62-297, F.A.C. (Test Methods and Procedures, Continuous Monitoring Specifications, and Alternate Sampling Procedures)	
PSD-FL-168	001, 002, 003, 004, 005, 006
PA90-31	001

PROJECT REVIEW

Specific conditions were changed in Section III, Subsection A for the Pulverized Coal Fired Main Boiler (update NSPS requirements), and in Section III, Subsection F for the auxiliary boilers (correct the permitted hours).

Changes in Section III, Subsection A:

Specific conditions replaced: A.14 through A.17, A.29 through A.38, A.42 through A.46, A.56 through A.58 and A.60 through A.63.

Specific conditions modified: A.23, A.25, A.26 and A.41.

Specific conditions added: A.17.1 through A.17.5, A.38.1, A.38.2, A.55.1, A.63.1 and A.63.2.

Specific conditions deleted: A.24, A.27, A.59 and A.72.

Changes in Section III, Subsection F:

Specific conditions modified: F.5, F.7 and F.10.

CONCLUSION

This project revises Title V air operation permit No. 0850102-013-AV, which was issued on January 31, 2008. This Title V Air Operation Permit Revision is issued under the provisions of Chapter 403, Florida Statutes (F.S.), and Chapters 62-4, 62-210 and 62-213, F.A.C. In accordance with the terms and conditions of this permit, the above named permittee is hereby authorized to operate the facility as shown on the application and approved drawings, plans, and other documents, on file with the permitting authority.

Indiantown Cogeneration, L.P.
Indiantown Cogeneration Plant
Facility ID No. **0850102**
Martin County

Title V Air Operation Permit Revision
DRAFT/PROPOSED Permit No. **0850102-018-AV**

Permitting Authority:

State of Florida
Department of Environmental Protection
Division of Air Resource Management
Bureau of Air Regulation

Mail Station #5505
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Telephone: 850/488-0114
Fax: 850/921-9533

Compliance Authority:

Department of Environmental Protection
Southeast District

400 North Congress Avenue
West Palm Beach, Florida 33401

Telephone: 561/681-6600
Fax: 561/681-6755

Title V Air Operation Permit Revision
DRAFT/PROPOSED Permit No. 0850102-018-AV

Table of Contents

Section	Page Number
Placard Page	1
I. Facility Information	2
A. Facility Description.	
B. Summary of Emissions Unit ID Nos. and Brief Descriptions.	
C. Relevant Documents.	
II. Facility-wide Conditions	4
III. Emissions Units and Conditions	
A. Pulverized Coal Fired Main Boiler (E.U. ID No. -001).....	8
B. Temporary Package Boiler.....	31
C. Coal Handling System (E.U. ID No. -004).....	32
D. Ash Handling System (E.U. ID No. -005).....	37
E. Lime Handling System (E.U. ID No. -006).....	41
F. Two Auxiliary Boilers (E.U. No. -007).....	45
Appendix I-1. List of Insignificant Emissions Units and/or Activities.....	57
Appendix H-1. Permit History/ID Number Changes.....	58
Appendix U-1. List of Unregulated Emissions Units and/or Activities.....	60
Appendix CAM.....	61

Permittee:
Indiantown Cogeneration, L.P.
P.O. Box 1799
Indiantown, Florida 34956

DRAFT/PROPOSED Permit No. 0850102-018-AV
Facility ID No. 0850102
SIC Nos.: 49, 4911
Project: Title V Air Operation Permit Revision

This permit revision is for the operation of the Indiantown Cogeneration Plant. This facility is located 9 miles east of Lake Okeechobee, and 3 miles northwest of Indiantown, Martin County; UTM Coordinates: Zone 17, 422.3 km East and 2952.9 km North; Latitude: 27° 02' 20" North and Longitude: 80° 30' 45" 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 U-1, List of Unregulated Emissions Units and/or Activities
APPENDIX TV-6, TITLE V CONDITIONS (version dated 06/23/2006)
APPENDIX SS-1, STACK SAMPLING FACILITIES (version dated 10/07/96)
Appendix 40 CFR 60, Subpart A - General Provisions (dated 07/23/97)
Appendix CAM

Effective Date: January 12, 2005
Revision Effective Date:
Renewal Application Due Date: May 31, 2009
Expiration Date: January 11, 2010

Joseph Kahn, Director
Division of Air Resource
Management

JK/tlv/jkh/tbc

Section I. Facility Information.

Subsection A. Facility Description.

The Indiantown Cogeneration Plant is a cogeneration facility which generates electricity for sale and exports steam to the Louis Dreyfus Citrus Processing Plant. The facility includes one high-pressure pulverized coal main boiler (PC boiler) rated at 3,422 MMBtu/hour heat input, and has a nominal net electrical power output of approximately 330 megawatts (MW). It is permitted to fire natural gas, propane, or No. 2 fuel oil for startup, shutdown, or load changes.

Also included are two natural gas (or propane) fired identical auxiliary boilers used for supplying steam to the steam host during times when the PC boiler is offline, as well as during PC boiler startup and shutdown periods. The two identically sized packaged water-tube steam boilers have a combined rated maximum capacity of 350 MMBtu/hr.

Steam produced by the auxiliary boilers is not used to generate electricity. In addition, the facility has a variety of ancillary equipment needed to support operations as a coal-fired cogeneration plant.

The permittee may install and operate an unregulated temporary package boiler in the event that the PC boiler and at least one auxiliary boiler are inoperable.

Based on the Title V permit revision application received on April 30, 2008, this facility is a major source of hazardous air pollutants (HAP).

Subsection B. Summary of Emissions Unit ID Nos. and Brief Descriptions.

E.U. ID No.	Brief Description
-001	Pulverized Coal Main Boiler
	Temporary Package Boiler (unregulated)
-004	Coal Handling System
-005	Ash Handling System
-006	Lime Handling System
-007	(2) Victory Energy Model 23M Keystone Packaged Water-tube Steam Boilers

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

Table 2-1, Summary of Compliance Requirements

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:

Title V Air Operation Permit Revision Application received on April 30, 2008.

Documents on file with USEPA

The Responsible Official has certified that the Risk Management Plan was submitted to the RMP Reporting Center.

Section II. Facility-wide Conditions.

The following conditions apply facility-wide:

1. APPENDIX TV-6, TITLE V CONDITIONS, is a part of this permit.

{Permitting note: APPENDIX TV-6, 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. The permittee shall not 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.

[Rule 62-296.320(4)(b)1. & 4., F.A.C.]

4. Prevention of Accidental Releases (Section 112(r) of CAA).

a. As required by Section 112(r)(7)(B)(iii) of the CAA and 40 CFR 68, the owner or operator shall submit an updated Risk Management Plan (RMP) to the Chemical Emergency Preparedness and Prevention Office (CEPPO) RMP Reporting Center.

b. As required under Section 252.941(1)(c), F.S., the owner or operator shall report to the appropriate representative of the Department of Community Affairs (DCA), as established by department rule, within one working day of discovery of an accidental release of a regulated substance from the stationary source, if the owner or operator is required to report the release to the United States Environmental Protection Agency under Section 112(r)(6) of the CAA.

c. The owner or operator shall submit the required annual registration fee to the DCA on or before April 1, in accordance with Part IV, Chapter 252, F.S., and Rule 9G-21, F.A.C.

Any required written reports, notifications, certifications, and data required to be sent to the DCA, should be sent to:

Department of Community Affairs
Division of Emergency Management
2555 Shumard Oak Boulevard
Tallahassee, FL 32399-2100
Telephone: 850/413-9921, Fax: 850/488-1739

Any Risk Management Plans, original submittals, revisions or updates to submittals, should be sent to:

RMP Reporting Center
P.O. Box 1515
Lanham-Seabrook, Maryland 20703-1515
Telephone: 301/429-5018

Any required reports to be sent to the National Response Center, should be sent to:

National Response Center
EPA Office of Solid Waste and Emergency Response
USEPA (5305 W)
401 M Street, SW
Washington, D.C. 20460
Telephone: 1/800/424-8802

Send the required annual registration fee using approved forms made payable to:

Cashier
Department of Community Affairs
State Emergency Response Commission
2555 Shumard Oak Boulevard
Tallahassee, FL 32399-2149

[Part IV, Chapter 252, F.S.; and, Rule 9G-21, F.A.C.]

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

[Rule 62-213.440(1), F.A.C.]

6. 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.]

7. Compliance Plan. Based on the application, emissions unit(s) were not in compliance. Appendix CP-1, Compliance Plan, is a part of this permit.

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

8. 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.]

9. Outdoor coal storage piles shall be shaped, compacted, and oriented to minimize wind erosion. Water sprays or chemical wetting agents and stabilizers shall be applied to uncovered storage piles, roads, handling equipment, etc., during dry periods and as necessary to all facilities

to maintain an opacity of less than or equal to 5 percent. When adding, moving, or removing coal from the coal pile an opacity of 20 percent is allowed. The coal pile is accessed as needed. [PSD-FL-168, Specific Condition No. 10; Rule 62-296.320(4)(c), F.A.C.; and 0850102-012-AC.]

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

The following requirements are "not federally enforceable":

- a. Unconfined PM related to coal transfer points is controlled by water spray in key locations;
- b. Unconfined PM related to coal, lime and ash mobile equipment operations is controlled by wetting the coal pile and road surfaces; and
- c. Water spray is used as-needed in the ash loadout process.

[Rule 62-296.320(4)(c)2., F.A.C.; proposed by the applicant in the Title V permit renewal application received on February 23, 2004; and 0850102-008-AC, Specific Condition 8.]

11. 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.]

12. 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-6, TITLE V CONDITIONS)}

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

Department of Environmental Protection
Southeast District
400 North Congress Avenue
West Palm Beach, Florida 33401
Telephone: 561/681-6600; Fax: 561/681-6755

14. 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 & EPCRA Enforcement Branch, Air Enforcement Section
61 Forsyth Street
Atlanta, Georgia 30303
Telephone: 404/562-9155; Fax: 404/562-9163 or 404/562-9164

15. 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 Units and Conditions.

Subsection A. This section addresses the following emissions unit.

E.U. ID No.	Brief Description
-001	Pulverized Coal Main Boiler

The pulverized coal main boiler is rated at 3,422 MMBtu/hour heat input, and has a nominal net electrical power output of approximately 330 megawatts (MW). It is permitted to fire coal, No. 2 fuel oil, natural gas, and propane. It commenced commercial operation in July, 1995.

The unit is equipped with low NO_x burners, overfire air, a steam coil air heater and air preheater, dual register burners and windbox design, a selective catalytic reduction (SCR) system, spray dryer absorber, and fabric filter baghouse. Because continuous emissions monitors (CEMS) are used to demonstrate compliance with the applicable standards for NO_x and SO₂, a compliance assurance monitoring (CAM) plan is not required for either the SCR system, or the spray dryer absorber. *A CAM plan is included for the fabric filter baghouse. See Appendix CAM.*

{Permitting note: the emissions unit is regulated under NSPS-40 CFR 60, Subpart Da, Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978, adopted and incorporated by reference in Rule 62-204.800(8), F.A.C.; Rule 62-212.400, F.A.C., Prevention of Significant Deterioration (PSD); Rule 62-212.400(6), F.A.C., Best Available Control Technology (BACT), Compliance Assurance Monitoring (CAM), adopted and incorporated by reference in Rule 62-204.800, F.A.C.}

The following specific conditions apply:

General

A.1. Definitions. For the purposes of Rule 62-204.800(8), F.A.C., the definitions contained in the various provisions of 40 CFR 60, shall apply except that the term "Administrator" when used in 40 CFR 60, shall mean the Secretary or the Secretary's designee.
[40 CFR 60.2; and Rule 62-204.800(8)(a), F.A.C.]

A.2. Circumvention. No owner or operator subject to the provisions of 40 CFR 60 shall build, erect, install, or use any article, machine, equipment or process, the use of which conceals an emission which would otherwise constitute a violation of an applicable standard. Such concealment includes, but is not limited to, the use of gaseous diluents to achieve compliance with an opacity standard or with a standard which is based on the concentration of a pollutant in the gases discharged to the atmosphere.
[40 CFR 60.12]

A.3. Coal shall not be burned in the unit unless the spray dryer scrubber, fabric filter baghouse, and other air pollution control devices are operating properly except as provided under 40 CFR 60, Subpart Da. Any malfunctions of these air pollution control devices are to be recorded, including duration, cause, and description of the repair.
[PSD-FL-168, Specific Condition No. 13]

A.4. No fraction of the flue gas shall be allowed to bypass the air pollution control devices (PCD) system to reheat the gases exiting from the PCD system, if the bypass will cause emissions above the limits specified in Specific Condition **A.12**. The percentage and amount of flue gas bypassing the PCD system shall be documented and records kept for a minimum of 5 (five) years and must be available for inspection by the Department.
[PSD-FL-168, Specific Condition No. 15]

Essential Potential to Emit (PTE) Parameters

A.5. Permitted Capacity. The maximum operation heat input rate allowed is as follows:

Emissions Unit No.	MMBtu/hr Heat Input	Fuel Type
-001	3422	Coal

[Rules 62-4.160(2), 62-210.200 (PTE), F.A.C.; and PSD-FL-168, Specific Condition No. 3]

A.6. Emissions Unit Operating Rate Limitation After Testing. See Specific Condition **A.49**.
[Rule 62-297.310(2), F.A.C.]

A.7. Methods of Operation. Fuels. The only fuels allowed to be burned are coal, No. 2 fuel oil, natural gas, and propane. The fuel oil to be fired shall be “new oil” which means an oil which has been refined from crude oil and has not been used.
[Rule 62-213.410, F.A.C.; PSD-FL-168, Specific Conditions No. 2 and No. 14; and amendment dated 7/16/92.]

A.8. Hours of Operation. This emissions unit is allowed to operate continuously, i.e., 8,760 hours/year.
[Rule 62-210.200 (PTE), F.A.C.; and PSD-FL-168, Specific Condition No. 4.]

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 times for Specific Conditions **A.9** through **A.17** are based on the specified averaging time of the applicable test method.}

A.9. Visible Emissions. Visible emissions from each baghouse exhaust shall not exceed 10 percent opacity (6 minute average), except for one 6-minute period per hour of not more than 27 percent opacity.
 [PSD-FL-168, Specific Condition No. 8; and, amendment clerked 4/13/98]

A.10. Compliance with standards in 40 CFR 60, other than opacity standards, shall be determined in accordance with performance tests established by 40 CFR 60.8, unless otherwise specified in the applicable standard.
 [40 CFR 60.11(a)]

A.11. Opacity. The opacity standards set forth in 40 CFR 60 shall apply at all times except during periods of startup, shutdown, malfunction, and as otherwise provided in the applicable standard.
 [40 CFR 60.11(c)]

A.12. Based on the maximum permitted heat input of 3422 MMBtu/hr, the stack emissions shall not exceed any of the following limitations:

Pollutant	Emission Limitation		
	Basis lb/MMBtu	lb/hr	TPY
Sulfur dioxide	0.170*	582*	2549
Nitrogen oxides	0.170*	582*	2549
Particulate matter	0.018	61.6	270
PM ₁₀	0.018	61.6	270
Carbon monoxide	0.110	376*	1649
Volatile organic compounds	0.0036	12.32	54.0
Sulfuric acid mist	0.0004	1.45	6.51
Beryllium	0.0000027	0.0094	0.041
Mercury	0.0000114	0.039	0.17
Lead	0.0000187	0.064	0.280
Fluorides	0.0015	5.08	22.3
Arsenic	0.000051	0.18	0.77

*24 hour daily block average (midnight to midnight)
 [PSD-FL-168, Specific Condition No. 5.]

A.13. Ammonia (NH3). Slip from exhaust gases shall not exceed 50 ppmv.
 [PSD-FL-168, Specific Condition No. 7.]

A.14. Sulfur Dioxide - Coal Only. No owner or operator subject to the provisions of 40 CFR 60, Subpart Da, shall cause to be discharged into the atmosphere from any affected facility which combusts solid fuel or solid-derived fuel any gases which contain sulfur dioxide in excess of:

1. 520 ng/J (1.20 lb/MMBtu) heat input and 30 percent of the potential combustion concentration (70 percent reduction).
2. 30 percent of the potential combustion concentration (70 percent reduction), when emissions are less than 260 ng/J (0.60 lb/MMBtu) heat input.

Compliance with the emission limitation and percent reduction requirements under 40 CFR 60.43da are both determined on a 30-day rolling average basis. [40 CFR 60.43da(a)]

A.15. Sulfur Dioxide – Liquid or Gaseous Fuels. No owner or operator subject to the provisions of 40 CFR 60, Subpart Da, shall cause to be discharged into the atmosphere from any affected facility which combusts solid fuel or solid-derived fuel any gases which contain sulfur dioxide in excess of:

1. 340 ng/J (0.80 lb/MMBtu) heat input and 10 percent of the potential combustion concentration (90 percent reduction).
2. 100 percent of the potential combustion concentration (zero percent reduction) when emissions are less than 86 ng/J (0.20 lb/MMBtu) heat input.

Compliance with the emission limitation and percent reduction requirements under 40 CFR 60.43da are both determined on a 30-day rolling average basis. [40 CFR 60.43da(b)]

A.16. Compliance with the sulfur dioxide emission limitation and percent reduction requirements under Subpart Da are both determined on a 30-day rolling average basis. [40 CFR 60.43da(g)]

A.17. When different fuels are combusted simultaneously, the applicable sulfur dioxide standard is determined by proration using the following formula:

- (1) If emissions of SO₂ to the atmosphere are greater than 260 ng/J (0.60 lb/MMBtu) heat input:

$$E_s = \frac{(340x + 520y)}{100} \text{ and } \%P_s = 10$$

- (2) If emissions of SO₂ to the atmosphere are equal to or less than 260 ng/J (0.60 lb/MMBtu) heat input:

$$E_s = \frac{(340x + 520y)}{100} \text{ and } \%P_s = \frac{(10x + 30y)}{100}$$

Where:

Es = Prorated SO₂ emission limit (ng/J heat input);

%Ps = Percentage of potential SO₂ emission allowed;

x = Percentage of total heat input derived from the combustion of liquid or gaseous fuels (excluding solid-derived fuels); and

y = Percentage of total heat input derived from the combustion of solid fuel (including solid-derived fuels).

[40 CFR 60.43da(h)]

A.17.1. Nitrogen Oxides (NO_x). No owner or operator subject to the provisions of 40 CFR 60, Subpart Da, shall cause to be discharged into the atmosphere from any affected facility any gases that contain NO_x (expressed as NO₂) in excess of the following emission limits, based on a 30-day rolling average basis:

(1) NO_x emission limits:

Fuel Type	Emission Limit (ng/J)	Emission Limit (lb/MMBtu)
Gaseous Fuels	86	0.20
Liquid Fuels	130	0.30
Bituminous Coal	260	0.60

(2) NO_x reduction requirement:

Fuel Type	Percent reduction of potential combustion concentration
Gaseous Fuels	25
Liquid Fuels	30
Solid Fuels	65

[40 CFR 60.44da(a)]

When two or more fuels are combusted simultaneously, the applicable standard is determined by proration using the following formula:

$$E_n = \frac{(86 w + 130 x + 260 z)}{100}$$

Where:

En= Applicable standard for NO_x when multiple fuels are combusted simultaneously (ng/J heat input);

w = Percentage of total heat input derived from the combustion of fuels subject to the 86 ng/J heat input standard;

x = Percentage of total heat input derived from the combustion of fuels subject to the 130 ng/J heat input standard;

z = Percentage of total heat input derived from the combustion of fuels subject to the 260 ng/J heat input standard

[40 CFR 60.44da(c)]

A.17.2. Particulate Matter (PM) – All Fuels. No owner or operator subject to the provisions of 40 CFR 60, Subpart Da, shall cause to be discharged into the atmosphere from any affected facility which combusts solid, liquid, or gaseous fuel any gases that contain PM in excess of 13 ng/J (0.03 lb/MMBtu) heat input. [40 CFR 60.42da(a)(1)]

A.17.3. Particulate Matter (PM) – Coal Only. No owner or operator subject to the provisions of 40 CFR 60, Subpart Da, shall cause to be discharged into the atmosphere from any affected facility which combusts solid fuel any gases that contain PM in excess of 1 percent of the potential combustion concentration (99 percent reduction). [40 CFR 60.42da(a)(2)]

A.17.4. Particulate Matter (PM) – Liquid Fuel Only. No owner or operator subject to the provisions of 40 CFR 60, Subpart Da, shall cause to be discharged into the atmosphere from any affected facility which combusts solid fuel any gases that contain PM in excess of 30 percent of the potential combustion concentration (70 percent reduction). [40 CFR 60.42da(a)(3)]

A.17.5. Particulate Matter (PM) – Visible Emissions. No owner or operator subject to the provisions of 40 CFR 60, Subpart Da, shall cause to be discharged into the atmosphere from any affected facility which combusts solid fuel any gases which exhibit greater than 20 percent opacity (6-minute average), except for one 6-minute period per hour of not more than 27 percent opacity. [40 CFR 60.42da(b)]

Excess Emissions

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

A.18. Excess emissions resulting from startup, shutdown, or malfunction of any emissions unit shall be permitted provided (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.]

A.19. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]

Monitoring of Operations

A.20. All fuel oil and coal shipments shall have a shipment analysis for sulfur content, ash content, and heating value. In the event continuous emission monitoring of sulfur dioxide is not performed, a daily analysis of coal sulfur content for the purpose of establishing the percentage reduction in potential sulfur emissions shall be made. Such determination shall be in accordance with the EPA reference Method 19. Records of all the analyses shall be kept for Department inspection for a minimum of 5 (five) years after the data are recorded. [PSD-FL-168, Specific Condition No. 16.]

A.21. 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.22. Fuel consumption shall be continuously measured and recorded by fuel type.

[PSD-FL-168, Specific Condition No. 4.]

Compliance Provisions

A.23. The particulate matter emission standards under Specific Condition **A.12.** and the nitrogen oxide standards under Specific Condition **A.12.** apply at all times except during periods of startup, shutdown, or malfunction. The sulfur dioxide emission standards under Specific Conditions **A.12.**, **A.14.**, **A.15.**, and **A.17.** apply at all times except during periods of startup, shutdown, or when both emergency conditions exist and the procedures under 40 CFR 60.46a(d) are implemented (see Specific Condition **A.24.**).

[PSD-FL-168]

A.24. [Reserved.]

A.25. Compliance with the sulfur dioxide emission limitations under Specific Condition **A.12.** and the nitrogen oxides emissions limitations under Specific Condition **A.12.** is based on a 24 hour daily block average (midnight to midnight). The percentage reduction requirements under 40 CFR 60.43a is based on the average emission rate for 30 successive boiler operating days. A separate performance test is completed at the end of each boiler operating day and a new 30-day percent reduction for sulfur dioxide is calculated to show compliance with the standards.

[PSD-FL-168, Specific Condition No. 5]

A.26. Compliance is determined by calculating the 24 hour daily block average (midnight to midnight), except for data obtained during startup, shutdown, or malfunction (NO_x only), or emergency conditions (SO₂ only). Compliance with the percentage reduction requirement for SO₂ is determined based on the average inlet and average outlet SO₂ emissions rates for the 30 successive boiler operating days.

[PSD-FL-168]

A.27. [Reserved.]

Compliance Assurance Monitoring (CAM) Requirements

A.27.1. This emissions unit is subject to the CAM requirements contained in the attached Appendix CAM. Failure to adhere to the monitoring requirements specified does not necessarily indicate an exceedance of a specific emissions limitation; however, it may constitute good reason to require compliance testing pursuant to Rule 62-297.310(7)(b), F.A.C.

[40 CFR 64; and Rules 62-204.800 and 62-213.440(1)(b)1.a., F.A.C.]

Continuous Monitoring Requirements

A.27.2. Use of SO₂ CEMS For Continuous Compliance. Pursuant to 40 CFR 64.2(b)(1)(vi), the applicant has elected to use the existing certified SO₂ continuous emissions monitor for continuous compliance in order to be exempted from the Compliance Assurance Monitoring (CAM) requirements contained in 40 CFR 64.

[40 CFR 64.2(b)(vi); and Applicant Request.]

A.28. Stack emissions monitoring shall include a flue gas oxygen meter to continuously monitor a representative sample of the flue gas. The oxygen monitor shall be used with automatic feedback controls to continuously maintain air/fuel ratio parameters at an optimum.

[PSD-FL-168, Specific Condition No. 23.]

A.29. Opacity. The owner or operator of an affected facility, shall install, calibrate, maintain, and operate a CEMS, and record the output of the system, for measuring the opacity of emissions discharged to the atmosphere. If opacity interference due to water droplets exists in the stack (for example, from the use of an FGD system), the opacity is monitored upstream of the interference (at the inlet to the FGD system). If opacity interference is experienced at all locations (both at the inlet and outlet of the SO₂ control system), alternate parameters indicative of the PM control system's performance and/or good combustion are monitored (subject to the approval of the Administrator). [40 CFR 60.49da(a)]

A.30. Sulfur Dioxide. The owner or operator of an affected facility shall install, calibrate, maintain, and operate a CEMS, and record the output of the system, for measuring SO₂ emissions, except where natural gas is the only fuel combusted, as follows:

(1) Sulfur dioxide emissions are monitored at both the inlet and outlet of the SO₂ control device.

[40 CFR 60.49da(b)(1)]

A.31. Nitrogen Oxides. The owner or operator of an affected facility shall install, calibrate, maintain, and operate a CEMS, and record the output of the system, for measuring NO_x emissions discharged to the atmosphere. [40 CFR 60.49da(c)(1)]

A.32. The owner or operator of an affected facility shall install, calibrate, maintain, and operate a CEMS, and record the output of the system, for measuring the oxygen (O₂) or carbon dioxide (CO₂) content of the flue gases at each location where SO₂ or NO_x emissions are monitored. [40 CFR 60.49da(d)]

A.33. The CEMS required under 40 CFR 60.49da(a), (b), (c) and (d) are operated and data recorded during all periods of operation of the affected facility including periods of startup, shutdown, malfunction or emergency conditions, except for CEMS breakdowns, repairs, calibration checks, and zero and span adjustments. [40 CFR 60.49da(e)]

A.34. The owner or operator shall obtain emission data for at least 18 hours in at least 22 out of 30 successive boiler operating days. If this minimum data requirement cannot be met with CEMS, the owner or operator shall supplement emission data with other monitoring systems approved by the Administrator or the reference methods and procedures as described in 40 CFR 60.49da(h). [40 CFR 60.49da(f)(1)]

A.35. The 1-hour averages required under 40 CFR 60.13(h) are expressed in ng/J (lb/MMBtu) heat input and used to calculate the average emission rates under 40 CFR 60.48Da. The 1-hour averages are calculated using the data points required under 40 CFR 60.13(h)(2). [40 CFR 60.49da(g)]

A.36. When it becomes necessary to supplement CEMS data to meet the minimum data requirements in 40 CFR 60.49da(f), the owner or operator shall use the reference methods and procedures as specified in this paragraph. Acceptable alternative methods and procedures are given in 40 CFR 60.49da(j).

(1) Method 6 of 40 CFR 60 Appendix A shall be used to determine the SO₂ concentration at the same location as the SO₂ monitor. Samples shall be taken at 60-minute intervals. The sampling time and sample volume for each sample shall be at least 20 minutes and 0.020 dscm (0.71 dscf). Each sample represents a 1-hour average.

(2) Method 7 of 40 CFR 60 Appendix A shall be used to determine the NO_x concentration at the same location as the NO_x monitor. Samples shall be taken at 30-minute intervals. The arithmetic average of two consecutive samples represents a 1-hour average.

(3) The emission rate correction factor, integrated bag sampling and analysis procedure of Method 3B of 40 CFR 60 Appendix A shall be used to determine the O₂ or CO₂ concentration at the same location as the O₂ or CO₂ monitor. Samples shall be taken for at least 30 minutes in each hour. Each sample represents a 1-hour average.

(4) The procedures in Method 19 of 40 CFR 60 Appendix A shall be used to compute each 1-hour average concentration in ng/J (lb/MMBtu) heat input.
[40 CFR 60.49da(h)]

A.37. The owner or operator shall use methods and procedures in this paragraph to conduct monitoring system performance evaluations under 40 CFR 60.13(c) and calibration checks under 40 CFR 60.13(d). Acceptable alternative methods and procedures are given in 40 CFR 60.49da(j).

(1) Methods 3B, 6, and 7 of 40 CFR 60 Appendix A shall be used to determine O₂, SO₂, and NO_x concentrations, respectively.

(2) SO₂ or NO_x (NO), as applicable, shall be used for preparing the calibration gas mixtures (in N₂, as applicable) under Performance Specification 2 of 40 CFR 60 Appendix B.

(3) For affected facilities burning only fossil fuel, the span value for a CEMS for measuring opacity is between 60 and 80 percent. Span values for a CEMS measuring NO_x shall be determined using one of the following procedures:

(i) Except as provided under paragraph (3) of this provision, NO_x span values shall be determined as follows:

Fossil Fuel	Span Values for NOx (ppm)
Gas	500
Liquid	500
Solid	1,000
Combination	$500(x + y) + 1,000z$.

Where:

- x = Fraction of total heat input derived from gaseous fossil fuel,
y = Fraction of total heat input derived from liquid fossil fuel, and
z = Fraction of total heat input derived from solid fossil fuel.

(ii) As an alternative to meeting the requirements of paragraph (3)(i) of this provision, the owner or operator of an affected facility may elect to use the NOx span values determined according to section 2.1.2 of 40 CFR 75 Appendix A.

(4) All span values computed under paragraph (3)(i) of this provision for burning combinations of fossil fuels are rounded to the nearest 500 ppm. Span values computed under paragraph (3)(ii) of this provision shall be rounded off according to section 2.1.2 of 40 CFR 75 Appendix A.

(5) For affected facilities burning fossil fuel, alone or in combination with non-fossil fuel and determining span values under paragraph (3)(i) of this provision, the span value of the SO₂ CEMS at the inlet to the SO₂ control device is 125 percent of the maximum estimated hourly potential emissions of the fuel fired, and the outlet of the SO₂ control device is 50 percent of maximum estimated hourly potential emissions of the fuel fired. For affected facilities determining span values under paragraph (3)(ii) of this provision, SO₂ span values shall be determined according to section 2.1.1 of 40 CFR 75 Appendix A.

[40 CFR 60.49da(i)]

A.38. The owner or operator may use the following as alternatives to the reference methods and procedures specified in 40 CFR 60.49da:

(1) For Method 6 of 40 CFR 60 Appendix A, Method 6A or 6B (whenever Methods 6 and 3 or 3B of 40 CFR 60 Appendix A data are used) or 6C of 40 CFR 60 Appendix A may be used. Each Method 6B of 40 CFR 60 Appendix A sample obtained over 24 hours represents 24 1-hour averages. If Method 6A or 6B of 40 CFR 60 Appendix A is used under 40 CFR 60.49da(i), the conditions under 40 CFR 60.48da(d)(1) apply; these conditions do not apply under 40 CFR 60.49da(h).

(2) For Method 7 of 40 CFR 60 Appendix A, Method 7A, 7C, 7D, or 7E of 40 CFR 60 Appendix A may be used. If Method 7C, 7D, or 7E of 40 CFR 60 Appendix A is used, the sampling time for each run shall be 1 hour.

(3) For Method 3 of 40 CFR 60 Appendix A, Method 3A or 3B of 40 CFR 60 Appendix A may be used if the sampling time is 1 hour.

(4) For Method 3B of 40 CFR 60 Appendix A, Method 3A of 40 CFR 60 Appendix A may be used.

[40 CFR 60.49da(j)]

A.38.1. The owner or operator shall prepare and submit to the Administrator for approval a unit-specific monitoring plan for each monitoring system, at least 45 days before commencing certification testing of the monitoring systems. The owner or operator shall comply with the requirements in your plan. The plan must address the requirements in the following paragraphs (1) through (6):

- (1) Installation of the CEMS sampling probe or other interface at a measurement location relative to each affected process unit such that the measurement is representative of the exhaust emissions (e.g., on or downstream of the last control device);
- (2) Performance and equipment specifications for the sample interface, the pollutant concentration or parametric signal analyzer, and the data collection and reduction systems;
- (3) Performance evaluation procedures and acceptance criteria (e.g., calibrations, relative accuracy test audits (RATA), etc.);
- (4) Ongoing operation and maintenance procedures in accordance with the general requirements of 40 CFR 60.13(d) or 40 CFR 75 (as applicable);
- (5) Ongoing data quality assurance procedures in accordance with the general requirements of 40 CFR 60.13 or 40 CFR 75 (as applicable); and
- (6) Ongoing recordkeeping and reporting procedures in accordance with the requirements of 40 CFR 60, Subpart Da.
[40 CFR 60.49da(s)]

A.38.2. (1) Except as provided for under paragraphs (2), (3), and (4) of this provision, the SO₂, NO_x, CO₂, and O₂ CEMS required under paragraphs (b) through (d) of 40 CFR 60.49da shall be installed, certified, and operated in accordance with the applicable procedures in Performance Specification 2 or 3 of 40 CFR 60 Appendix B or according to the procedures in appendices A and B to 40 CFR 75. Daily calibration drift assessments and quarterly accuracy determinations shall be done in accordance with Procedure 1 of 40 CFR 60 Appendix F, and a data assessment report (DAR), prepared according to section 7 of Procedure 1 of 40 CFR 60 Appendix F, shall be submitted with each compliance report required under 40 CFR 60.51da., the owner or operator may elect to implement the following alternative data accuracy assessment procedures:

- (2) As an alternative to meeting the requirements of paragraph (1) of this provision, an owner or operator may elect to may elect to implement the following alternative data accuracy assessment procedures. For all required CO₂ and O₂ CEMS and for SO₂ and NO_x CEMS with span values greater than 100 ppm, the daily calibration error test and calibration adjustment procedures described in sections 2.1.1 and 2.1.3 of appendix B to 40 CFR 75 may be followed instead of the CD assessment procedures in Procedure 1, section 4.1 of 40 CFR 60, Appendix F. If this option is selected, the data validation and out-of-control provisions in sections 2.1.4 and 2.1.5 of 40 CFR 75, Appendix B shall be followed instead of the excessive CD and out-of-control criteria in Procedure 1, section 4.3 of 40 CFR 60 Appendix F. For the purposes of data validation under 40 CFR 60 subpart Da, the excessive CD and out-of-control criteria in Procedure 1, section 4.3 of 40 CFR 60 Appendix F shall apply to SO₂ and NO_x span values less than 100 ppm;
- (3) As an alternative to meeting the requirements of paragraph (1) of this provision, an owner or operator may elect to may elect to implement the following alternative data accuracy assessment procedures. For all required CO₂ and O₂ CEMS and for SO₂ and NO_x CEMS with span values greater than 30 ppm, quarterly linearity checks may be performed in accordance with section 2.2.1 of 40 CFR 75, Appendix B, instead of performing the cylinder gas audits (CGAs) described in Procedure 1, section 5.1.2 of 40 CFR 60, Appendix F. If this option is selected: The frequency of the linearity checks shall be as specified in section 2.2.1 of 40 CFR 75, Appendix B; the applicable linearity specifications in section 3.2 of appendix A of 40 CFR 75 shall be met; the data validation and out-of-control criteria in section 2.2.3 of 40 CFR 75, Appendix B shall be

followed instead of the excessive audit inaccuracy and out-of-control criteria in Procedure 1, section 5.2 of 40 CFR 60, Appendix F; and the grace period provisions in section 2.2.4 of 40 CFR 75, Appendix B shall apply. For the purposes of data validation under 40 CFR 60 Subpart Da, the cylinder gas audits described in Procedure 1, section 5.1.2 of 40 CFR 60, Appendix F shall be performed for SO₂ and NO_x span values less than or equal to 30 ppm;

(4) As an alternative to meeting the requirements of paragraph (1) of this provision, an owner or operator may elect to implement the following alternative data accuracy assessment procedures. For SO₂, CO₂, and O₂ CEMS and for NO_x CEMS, RATAs may be performed in accordance with section 2.3 of 40 CFR 75, Appendix B instead of following the procedures described in Procedure 1, section 5.1.1 of 40 CFR 60, Appendix F. If this option is selected: The frequency of each RATA shall be as specified in section 2.3.1 of 40 CFR 75, Appendix B; the applicable relative accuracy specifications shown in Figure 2 in 40 CFR 75, Appendix B shall be met; the data validation and out-of-control criteria in section 2.3.2 of 40 CFR 75, Appendix B shall be followed instead of the excessive audit inaccuracy and out-of-control criteria in Procedure 1, section 5.2 of 40 CFR 60, Appendix F; and the grace period provisions in section 2.3.3 of 40 CFR 75, Appendix B shall apply. For the purposes of data validation under 40 CFR 60 Subpart Da, the relative accuracy specification in section 13.2 of Performance Specification 2 in 40 CFR 60, Appendix B shall be met on a lb/MMBtu basis for SO₂ (regardless of the SO₂ emission level during the RATA), and for NO_x when the average NO_x emission rate measured by the reference method during the RATA is less than 0.100 lb/MMBtu;

(5) If the owner or operator elects to implement the alternative data assessment procedures described in paragraphs (2) through (4) of this provision, each data assessment report shall include a summary of the results of all of the RATAs, linearity checks, CGAs, and calibration error or drift assessments required by paragraphs (2) through (4) of this provision.

[40 CFR 60.49da(w)]

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.39. Performance tests shall be conducted under such conditions as the Department shall specify based on representative performance of the facility. The permittee shall make available to the Department such records as may be necessary to determine the conditions of the performance tests.

[PSD-FL-168, Specific Condition No. 20]

A.40. Compliance with emissions limitation standards shall be demonstrated using EPA methods, as contained in 40 CFR Part 60, or 40 CFR Part 61, or any other method approved by the Department and EPA.

[PSD-FL-168, Specific Condition No. 19]

A.41. Compliance with emission limitation standards shall be demonstrated using EPA methods as described in the table below:

For determination of	EPA Method
Selection of sample site and velocity traverses	1
Stack gas flow rate when converting concentrations to or from mass emissions limits	2
Gas analysis when needed for calculation of molecular weight of or percent O ₂	3, 3A, & 3B
Moisture content when converting stack velocity to dry volumetric flow rate for use in converting concentrations in dry gases to or from mass emission limits.	4
Particulate matter concentration and mass emissions	5
Sulfur dioxide	6, 6C, or 19
Nitrogen oxides	7E
Sulfuric Acid Mist	8
Visible emissions	9
Fugitive emissions from transfer points	22
Carbon monoxide	10
Lead	29
Fluorides	13A or 13B
Volatile organic compounds	18 and 25A
Mercury	29
Beryllium	29
Arsenic	29
Ammonia (NH ₃)	EPA conditional test method (CTM-027), or other methods approved by the Department.

[PSD-FL-168, Specific Condition No. 19.; and applicant request dated March 5, 2004.]

A.42. In conducting the performance tests required in 40 CFR 60.8, the owner or operator shall use as reference methods and procedures the methods in 40 CFR 60, Appendix A or the methods and procedures as specified in 40 CFR 60.50da, except as provided in 40 CFR 60.8(b). 40 CFR 60.8(f) does not apply to this provision for SO₂ and NO_x. Acceptable alternative methods are given in 40 CFR 60.50da(e). [40 CFR 60.50da(a)]

A.43. Particulate Matter. The owner or operator shall determine compliance with the PM standards in 40 CFR 60.42Da as follows:

(1) The dry basis F factor (O₂) procedures in Method 19 of 40 CFR 60, Appendix A shall be used to compute the emission rate of PM.

(2) For the particulate matter concentration, Method 5 of 40 CFR 60, Appendix A shall be used.

(i) The sampling time and sample volume for each run shall be at least 120 minutes and 1.70 dscm (60 dscf). The probe and filter holder heating system in the sampling train may be set to provide an average gas temperature of no greater than 160±14 °C (320±25 °F).

(ii) For each particulate run, the emission rate correction factor, integrated or grab sampling and analysis procedures of Method 3B of 40 CFR 60, Appendix A shall be used to determine the O₂

concentration. The O₂ sample shall be obtained simultaneously with, and at the same traverse points as, the particulate run. If the particulate run has more than 12 traverse points, the O₂ traverse points may be reduced to 12 provided that Method 1 of 40 CFR 60, Appendix A is used to locate the 12 O₂ traverse points. If the grab sampling procedure is used, the O₂ concentration for the run shall be the arithmetic mean of the sample O₂ concentrations at all traverse points.

(3) Method 9 of 40 CFR 60, Appendix A and the procedures in 40 CFR 60.11 shall be used to determine opacity.

[40 CFR 60.50da(b)]

A.44. Sulfur Dioxide. The owner or operator shall determine compliance with the SO₂ standards in 40 CFR 60.43Da as follows:

(1) The percent of potential SO₂ emissions (%Ps) to the atmosphere shall be computed using the following equation:

$$\% P_s = \frac{(100 - \% R_f)(100 - \% R_g)}{100}$$

Where:

%Ps = Percent of potential SO₂ emissions, percent;

%Rf = Percent reduction from fuel pretreatment, percent; and

%Rg = Percent reduction by SO₂ control system, percent.

(2) The procedures in Method 19 of 40 CFR 60, Appendix A may be used to determine percent reduction (%Rf) of sulfur by such processes as fuel pretreatment (physical coal cleaning, hydrodesulfurization of fuel oil, etc.), coal pulverizers, and bottom and fly ash interactions. This determination is optional.

(3) The procedures in Method 19 of 40 CFR 60 Appendix A shall be used to determine the percent SO₂ reduction (%Rg) of any SO₂ control system. Alternatively, a combination of an "as fired" fuel monitor and emission rates measured after the control system, following the procedures in Method 19 of 40 CFR 60, Appendix A, may be used if the percent reduction is calculated using the average emission rate from the SO₂ control device and the average SO₂ input rate from the "as fired" fuel analysis for 30 successive boiler operating days.

(4) The appropriate procedures in Method 19 of 40 CFR 60, Appendix A shall be used to determine the emission rate.

(5) The CEMS in 40 CFR 60.49Da(b) and (d) shall be used to determine the concentrations of SO₂ and CO₂ or O₂.

[40 CFR 60.50da(c)]

A.45. Nitrogen Oxides. The owner or operator shall determine compliance with the NO_x standard in 40 CFR 60.44Da as follows:

(1) The appropriate procedures in Method 19 of 40 CFR 60 Appendix A shall be used to determine the emission rate of NO_x.

(2) The continuous monitoring system in 40 CFR 60.49Da(c) and (d) shall be used to determine the concentrations of NO_x and CO₂ or O₂.
[40 CFR 60.50da(d)]

A.46. The owner or operator may use the following as alternatives to the reference methods and procedures specified in 40 CFR 60.50da:

(1) For Method 5 or 5B of 40 CFR 60, Appendix A, Method 17 of 40 CFR 60, Appendix A may be used at facilities if the stack temperature at the sampling location does not exceed an average temperature of 160 °C (320 °F). The procedures of §2.1 and §2.3 of Method 5B of 40 CFR 60, Appendix A may not be used in Method 17 of 40 CFR 60, Appendix A.

(2) The F_c factor (CO₂) procedures in Method 19 of 40 CFR 60, Appendix A may be used to compute the emission rate of PM under the stipulations of 40 CFR 60.46(d)(1). The CO₂ shall be determined in the same manner as the O₂ concentration.
[40 CFR 60.50da(e)]

A.47. Carbon Monoxide. Compliance shall be demonstrated using EPA Method 10 in accordance with Chapter 62-297, F.A.C.
[Rules 62-213.440 and 62-297.401, F.A.C.; and PSD-FL-168, Specific Condition No. 19]

A.48. 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.49. Operating Rate During Testing. Testing of emissions shall be conducted with each 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.50. 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 separate test runs unless otherwise specified in a particular test method or applicable rule.

[Rule 62-297.310(3), F.A.C.]

A.51. 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.

TABLE 297.310-1
CALIBRATION SCHEDULE

ITEM	MINIMUM CALIBRATION FREQUENCY	REFERENCE INSTRUMENT	TOLERANCE
Liquid in glass thermometer	Annually	ASTM Hg in glass reference thermometer or equivalent, or thermometric points	+/-2%
Bimetallic thermometer	Quarterly	Calibration liquid in glass thermometer	5 degrees F
Thermocouple	Annually	ASTM Hg in glass reference thermometer, NBS calibrated reference and potentiometer	5 degrees F
Barometer	Monthly	Hg barometer or NOAA station	+/-1% scale
Pitot Tube	When required or when damaged	By construction or measurements in wind tunnel D greater than 16" and standard pitot tube	See EPA Method 2, Figures 2-2 and 2-3
Probe Nozzles	Before each test, or when nicked, dented, or corroded	Micrometer	+/-0.001" mean of the last three readings; maximum deviation between readings .004"
Dry gas meter and Orifice Meter	<ol style="list-style-type: none"> 1. Full scale: when received, when 5% change observed, annually. 2. One point: Semiannually. 3. Check after each test series. 	<p>Spirometer or calibrated wet test or dry gas test meter</p> <p>Comparison check</p>	<p>2%</p> <p>5%</p>

(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.52. 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.53. 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.

2. For excess emission limitations for particulate matter specified in Rule 62-210.700, F.A.C., a compliance test shall be conducted annually while the emissions unit is operating under soot blowing conditions in each federal fiscal year during which soot blowing is part of normal emissions unit operation, except that such test shall not be required in any federal fiscal year in which a fossil fuel steam generator does not burn liquid fuel for more than 400 hours other than during startup.

3. The owner or operator of an emissions unit that is subject to any emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining a renewed operation permit. Emissions units that are required to conduct an annual compliance test may submit the most recent annual compliance test to satisfy the requirements of this provision. In renewing an air operation permit pursuant to 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 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 fuel, other than during startup, for a total of more than 400 hours.

9. The owner or operator shall notify the Department, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.

(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.]

A.54. Stack tests for particulate matter, nitrogen oxides, sulfur dioxide, visible emissions, and carbon monoxide shall be performed *annually*.
[PSD-FL-168, Specific Condition No. 22.]

A.55. The permittee shall provide written notice to the Department's Southeast District Office thirty (30) days prior to the tests in order to provide the Department the opportunity to have an observer present.
[PSD-FL-168, Specific Condition No. 21.]

Recordkeeping and Reporting Requirements

A.55.1. For SO₂, NO_x, PM, emissions, the performance test data from the initial and subsequent performance test and from the performance evaluation of the continuous monitors (including the transmissometer) are submitted to the Administrator.
[40 CFR 60.51da(a)]

A.56. For SO₂ and NO_x the following information is reported to the Administrator for each 24-hour period.

(1) Calendar date.

(2) The average SO₂ and NO_x emission rates (ng/J or lb/MMBtu) for each 30 successive boiler operating days, ending with the last 30-day period in the quarter; reasons for non-compliance with the emission standards; and, description of corrective actions taken.

(3) Percent reduction of the potential combustion concentration of SO₂ for each 30 successive boiler operating days, ending with the last 30-day period in the quarter; reasons for non-compliance with the standard; and, description of corrective actions taken.

(4) Identification of the boiler operating days for which pollutant or diluent data have not been obtained by an approved method for at least 75 percent of the hours of operation of the facility; justification for not obtaining sufficient data; and description of corrective actions taken.

(5) Identification of the times when emissions data have been excluded from the calculation of average emission rates because of startup, shutdown, malfunction (NO_x only), emergency

conditions (SO₂ only), or other reasons, and justification for excluding data for reasons other than startup, shutdown, malfunction, or emergency conditions.

(6) Identification of "F" factor used for calculations, method of determination, and type of fuel combusted.

(7) Identification of times when hourly averages have been obtained based on manual sampling methods.

(8) Identification of the times when the pollutant concentration exceeded full span of the CEMS.

(9) Description of any modifications to CEMS which could affect the ability of the CEMS to comply with Performance Specifications 2 or 3.

[40 CFR 60.51da(b)]

A.57. If the minimum quantity of emission data as required by 40 CFR 60.49Da is not obtained for any 30 successive boiler operating days, the following information obtained under the requirements of 40 CFR 60.48Da(h) is reported to the Administrator for that 30-day period:

(1) The number of hourly averages available for outlet emission rates (n_o) and inlet emission rates (n_i) as applicable.

(2) The standard deviation of hourly averages for outlet emission rates (s_o) and inlet emission rates (s_i) as applicable.

(3) The lower confidence limit for the mean outlet emission rate (E_o^*) and the upper confidence limit for the mean inlet emission rate (E_i^*) as applicable.

(4) The applicable potential combustion concentration.

(5) The ratio of the upper confidence limit for the mean outlet emission rate (E_o^*) and the allowable emission rate (E_{std}) as applicable.

[40 CFR 60.51da(c)]

A.58. If any standards under 40 CFR 60.43Da are exceeded during emergency conditions because of control system malfunction, the owner or operator of the affected facility shall submit a signed statement:

(1) Indicating if emergency conditions existed and requirements under 40 CFR 60.48Da(d) were met during each period, and

(2) Listing the following information:

(i) Time periods the emergency condition existed;

(ii) Electrical output and demand on the owner or operator's electric utility system and the affected facility;

(iii) Amount of power purchased from interconnected neighboring utility companies during the emergency period;

(iv) Percent reduction in emissions achieved;

(v) Atmospheric emission rate (ng/J) of the pollutant discharged; and

(vi) Actions taken to correct control system malfunction.

[40 CFR 60.51da(d)]

A.59. [Reserved.]

A.60. For any periods for which opacity, SO₂ or NO_x emissions data are not available, the owner or operator of the affected facility shall submit a signed statement indicating if any changes were made in operation of the emission control system during the period of data unavailability. Operations of the control system and affected facility during periods of data unavailability are to be compared with operation of the control system and affected facility before and following the period of data unavailability.

[40 CFR 60.51da(f)]

A.61. The owner or operator of the affected facility shall submit a signed statement indicating whether:

- (1) The required CEMS calibration, span, and drift checks or other periodic audits have or have not been performed as specified.
 - (2) The data used to show compliance was or was not obtained in accordance with approved methods and procedures of this part and is representative of plant performance.
 - (3) The minimum data requirements have or have not been met; or, the minimum data requirements have not been met for errors that were unavoidable.
 - (4) Compliance with the standards has or has not been achieved during the reporting period.
- [40 CFR 60.51da(h)]

A.62. For the purposes of the reports required under 40 CFR 60.7, periods of excess emissions are defined as all 6-minute periods during which the average opacity exceeds the applicable opacity standards under PSD-FL-168, Specific Condition No. 8, and amendment clerked 4/13/98. Opacity levels in excess of the applicable opacity standard and the date of such excesses are to be submitted to the Administrator each calendar quarter.

[40 CFR 60.51da(i) and PSD-FL-168]

A.63. The owner or operator of an affected facility shall submit the written reports required under 40 CFR 60.51da and 40 CFR 60, subpart A to the Administrator semiannually for each six-month period. All semiannual reports shall be postmarked by the 30th day following the end of each six-month period.

[40 CFR 60.51da(j)]

A.63.1. The owner or operator of an affected facility may submit electronic quarterly reports for SO₂ and/or NO_x and/or opacity in lieu of submitting the written reports required under 40 CFR 60.51da (b) and (i). The format of each quarterly electronic report shall be coordinated with the permitting authority. The electronic report(s) shall be submitted no later than 30 days after the end of the calendar quarter and shall be accompanied by a certification statement from the owner or operator, indicating whether compliance with the applicable emission standards and minimum data requirements of 40 CFR 60, Subpart Da was achieved during the reporting period. Before submitting reports in the electronic format, the owner or operator shall coordinate with the permitting authority to obtain their agreement to submit reports in this alternative format.

[40 CFR 60.51da(k)]

A.63.2. The owner or operator of an affected facility subject to the emissions limitations in 40 CFR 60.45Da shall provide notifications in accordance with 40 CFR 60.7(a) and shall maintain records of all information needed to demonstrate compliance including performance tests, monitoring data, fuel analyses, and calculations, consistent with the requirements of 40 CFR 60.7(f).

[40 CFR 60.52da]

A.64. The owner or operator subject to the provisions of 40 CFR 60 shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; any malfunction of the air pollution control equipment; or, any periods during which a continuous monitoring system or monitoring device is inoperative.

[40 CFR 60.7(b)]

A.65. The permittee shall submit a quarterly report to the Department's Southeast District Office documenting a 12 month rolling average capacity factor. This factor shall be calculated by dividing the unit's megawatt hours output of generation by the product of the official megawatt rating of the unit times the number of hours in the 12 month period.
[PSD-FL-168, Specific Condition No. 1]

A.66. Stack monitoring, fuel usage, and fuel analysis data shall be reported to the Department's Southeast District Office on a quarterly basis.
[PSD-FL-168, Specific Condition No. 28]

A.67. The owner or operator subject to the provisions of 40 CFR 60 shall maintain a file of all measurements, including continuous monitoring system, monitoring device, and performance testing measurements; all continuous monitoring system performance evaluations; all continuous monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and, all other information required by 40 CFR 60 recorded in a permanent form suitable for inspection. The file shall be retained for at least **5 (five)** years following the date of such measurements, maintenance, reports, and records.
[40 CFR 60.7(f); and Rule 62-213.440(1)(b)2.b., F.A.C.]

A.68. In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the Department in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department.
[Rule 62-210.700(6), F.A.C.]

A.69. Test Reports.

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

(b) The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed.

(c) The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report, other than for an EPA or DEP Method 9 test, shall provide the following information:

1. The type, location, and designation of the emissions unit tested.
2. The facility at which the emissions unit is located.
3. The owner or operator of the emissions unit.
4. The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.
5. The means, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emission limiting standard.
6. The type of air pollution control devices installed on the emissions unit, their general condition, their normal operating parameters (pressure drops, total operating current and GPM scrubber water), and their operating parameters during each test run.
7. A sketch of the duct within 8 stack diameters upstream and 2 stack diameters downstream of the sampling ports, including the distance to any upstream and downstream bends or other flow disturbances.
8. The date, starting time and duration of each sampling run.

9. The test procedures used, including any alternative procedures authorized pursuant to Rule 62-297.620, F.A.C. Where optional procedures are authorized in this chapter, indicate which option was used.
10. The number of points sampled and configuration and location of the sampling plane.
11. For each sampling point for each run, the dry gas meter reading, velocity head, pressure drop across the stack, temperatures, average meter temperatures and sample time per point.
12. The type, manufacturer and configuration of the sampling equipment used.
13. Data related to the required calibration of the test equipment.
14. Data on the identification, processing and weights of all filters used.
15. Data on the types and amounts of any chemical solutions used.
16. Data on the amount of pollutant collected from each sampling probe, the filters, and the impingers, are reported separately for the compliance test.
17. The names of individuals who furnished the process variable data, conducted the test, analyzed the samples and prepared the report.
18. All measured and calculated data required to be determined by each applicable test procedure for each run.
19. The detailed calculations for one run that relate the collected data to the calculated emission rate.
20. The applicable emission standard, and the resulting maximum allowable emission rate for the emissions unit, plus the test result in the same form and unit of measure.
21. A certification that, to the knowledge of the owner or his authorized agent, all data submitted are true and correct. When a compliance test is conducted for the Department or its agent, the person who conducts the test shall provide the certification with respect to the test procedures used. The owner or his authorized agent shall certify that all data required and provided to the person conducting the test are true and correct to his knowledge.

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

A.70. [Reserved.]

Miscellaneous

A.71. The permittee shall comply with the requirements contained in Appendix 40 CFR 60, Subpart A, attached to this permit.

[Rule 62-204.800(8)(d), F.A.C.]

A.72. [Reserved.]

A.73. In the event of a prolonged (thirty days or more) equipment malfunction or shutdown of air pollution control equipment, operation shall be allowed to resume and continue to take place under appropriate Department Order, provided that the permittee demonstrates such operation will be in compliance with all applicable ambient air quality standards and PSD increments. During such malfunction or shutdown, operation of the facility shall comply with all other requirements of this permit and all applicable state and federal emission standards not affected by the malfunction or shutdown which is the subject of the Order. Operational stoppages exceeding two hours for air pollution control systems shall be reported to the Department's Southeast District Office. Operational malfunctions which do not stop operation but may prevent compliance with emission limitations shall also be reported to the Department's Southeast District Office.

[PSD-FL-168, Specific Condition No. 31]

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

E.U. ID No.	Brief Description
	Temporary Package Boiler (unregulated)

The permittee may install and operate an unregulated temporary package boiler in the event that the pulverized coal (PC) boiler and at least one Auxiliary Boiler are inoperable.

The following specific conditions apply to the Temporary Package Boiler:

- B.1.** The temporary package boiler shall be operated such that:
- a.** No visible emissions (5 percent opacity) are observed, except that visible emissions not exceeding 20 percent opacity are allowed for up to three minutes in any one-hour period.
 - b.** No objectionable odors are observed.
 - c.** Manufacturers' guidelines are followed.

[Department Specific Exemption, dated March 31, 2003, Condition 1.]

- B.2.** The package boiler shall fire natural gas or propane only, and throughput shall be measured and recorded. No more than 150 million standard cubic feet (combined) shall be fired annually and operating hours plus fuel usage shall be tracked, separately identified and attributed to the annual throughput of the auxiliary boilers.

[Department Specific Exemption, dated March 31, 2003, Condition 2.]

- B.3.** Indiantown Cogeneration, L.P., will notify the Department prior to the delivery of the temporary boiler and upon its removal. The notifications shall include proof that all other permit conditions identified herein can be or have been met.

[Department Specific Exemption, dated March 31, 2003, Condition 3.]

- B.4.** Under no circumstances shall the temporary package boiler be on-site for more than 90 calendar days, nor operated for more than 60 calendar days during any calendar year.

[Department Specific Exemption, dated March 31, 2003, Condition 4.]

- B.5.** The package boiler shall meet the ASME and Pressure Vessel Code Accreditation and utilize an ASME Code Symbol Stamp.

[Department Specific Exemption, dated March 31, 2003, Condition 5.]

- B.6.** The package boiler shall be guaranteed to be capable of meeting a NO_x emission limit of 0.15 lb/MMBtu.

[Department Specific Exemption, dated March 31, 2003, Condition 6.]

- B.7.** The package boiler shall not be operated at the same time as both auxiliary boilers.

[Department Specific Exemption, dated March 31, 2003, Condition 7.]

- B.8.** The package boiler shall be disconnected and removed from the plant site within 15 days of the date that either the main PC boiler or both auxiliary boilers become operable.

[Department Specific Exemption, dated March 31, 2003, Condition 8.]

Subsection C. This section addresses the following emissions unit.

E.U. ID No.	Brief Description
-004	Coal Handling System

The coal handling system includes transport, crushing, and storage equipment, and supports the operation of the pulverized coal main boiler. Particulate matter (PM) emissions are controlled by (a) the use of fabric filter baghouses on the unloading building, storage area, crusher, and the top of the silo, (b) enclosed conveyors and conveyor transfer points, and (c) wet suppression on the coal railcar unloading operation, drop onto pile in the coal storage building, and outdoor coal pile as needed. The overall maximum throughput rate is approximately 1,100 tons per hour. Because the potential to emit PM is below the major source threshold, this emissions-unit is not subject to CAM.

{Permitting notes: The emissions unit is regulated under NSPS - 40 CFR 60, Subpart Y, Standards of Performance for Coal Preparation Plants, adopted and incorporated by reference in Rule 62-204.800(8), F.A.C.; Prevention of Significant Deterioration (PSD): PSD-FL-168; Rule 62-212.400(6), F.A.C., Best Available Control Technology (BACT).}

Essential Potential to Emit (PTE) Parameters

C.1. Hours of Operation. This emissions unit is allowed to operate continuously, i.e., 8,760 hours/year.

[Rule 62-210.200(PTE), F.A.C.; and PSD-FL-168]

C.2. Emissions Unit Operating Rate Limitation After Testing. See Specific Condition C.13.

[Rule 62-297.310(2), F.A.C.]

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 times for Specific Conditions C.3. through C.6. are based on the specified averaging time of the applicable test method.}

C.3. Visible Emissions. Visible emissions from the coal handling system baghouses shall not exceed 10% opacity, six-minute average.

[PSD-FL-168, Specific Condition No. 8.]

C.4. Particulate Matter. Particulate matter emissions from bag filter exhausts from the coal handling system shall be limited to 0.010 grains per actual cubic foot.

[PSD-FL-168, Specific Condition No. 11.]

C.5. Visible Emissions. A visible emission reading of 5% opacity or less may be used to establish compliance with the emission limit in Specific Condition **C.4.** A visible emission reading greater than 5% opacity will not create a presumption that the 0.010 grains per actual cubic foot emission limit is being violated. However, a visible emission reading greater than 5% opacity will require the permittee to perform a stack test. Emissions shall not be visible more than two minutes in any fifteen minute period.

[PSD-FL-168, Specific Conditions No. 11. and 12.]

C.6. Fugitive Emissions. Outdoor coal storage piles shall be shaped, compacted, and oriented to minimize wind erosion. Water sprays or chemical wetting agents and stabilizers shall be applied to uncovered storage piles, roads, handling equipment, etc., during dry periods and as necessary to all facilities to maintain an opacity of less than or equal to 5 percent. When adding, moving, or removing coal from the coal pile an opacity of 20% is allowed.

[PSD-FL-168, Specific Condition No. 10.; and 0850102-012-AC.]

Excess Emissions

C.7. 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.]

C.8. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited.

[Rule 62-210.700(4), F.A.C.]

Monitoring of Operations

C.9. 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.]

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.}

C.10. Visible Emissions. EPA Method 9 and the procedures in 40 CFR 60.11 shall be used to determine opacity compliance pursuant to Chapter 62-297, F.A.C., and 40 CFR 60, Appendix A. [40 CFR 60.254(b)(2); and PSD-FL-168, Specific Condition No. 19]

C.11. Particulate Matter. EPA Method 5 shall be used to determine the particulate matter concentration. The sampling time and the sample volume for each run shall be at least 60 minutes and 0.85 dscm (30 dscf). Sampling shall begin no less than 30 minutes after startup and shall terminate before shutdown procedures begin. [PSD-FL-168, Specific Condition No. 19.]

C.12. Fugitive Emissions. Compliance with fugitive emissions limitations from all transfer points will be determined by EPA/DEP reference Method 22 and opacity Method 9. [PSD-FL-168, Specific Condition No. 12.]

C.13. 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.]

C.14. Applicable Test Procedures.

(a) Required Sampling Time.

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:

c. The minimum observation period for opacity tests conducted by employees or agents of the Department to verify the day-to-day continuing compliance of a unit or activity with an applicable opacity standard shall be twelve minutes.

[Rule 62-297.310(4)(a)2.c., F.A.C.]

C.15. 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;

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;

9. The owner or operator shall notify the Department, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.

(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

C.16. Malfunction Reporting. In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the Department in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department.

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

C.17. Verification and recording of Specific Condition C.4 and C.5 requirements for particulate matter emissions shall be done at least annually.

[PSD-FL-168, Specific Condition No. 11.]

C.18. Test Reports

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

(b) The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed.

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

Miscellaneous Requirements.

C.19. The permittee shall comply with the requirements contained in Appendix 40 CFR 60, Subpart A, attached to this permit.
[Rule 62-204.800(8)(d), F.A.C.]



Subsection D. This section addresses the following emissions unit.

E.U. ID No.	Brief Description
-005	Ash Handling System

The ash handling system is comprised of several conveying and storage units. Ash from the PC boiler is processed and loaded into trucks and railcars. Overall maximum throughput rate is 250 tons per hour. The fly ash handling system, including transfer and silo storage (including a pneumatic system exhaust), is vented through fabric filters. The system is totally enclosed, and includes a separator on the silo prior to the fabric filter baghouse. A pug mill has been added to the ash handling system. The pug mill mixes water with the ash before the ash is transferred to truck or railcar for shipment offsite. The pug mill installation does not affect the particulate matter (PM) emission location, rate, or exhaust parameters. Because the potential to emit PM is below the major source threshold, this emissions unit is not subject to CAM. [PSD-FL-168, Specific Condition No. 10.]

{Permitting notes: This emissions unit is regulated under Rule 62-210.300, F.A.C., Permits Required; Prevention of Significant Deterioration (PSD): PSD-FL-168; Rule 62-212.400(6), F.A.C., Best Available Control Technology (BACT).}

The following specific conditions apply:

Essential Potential to Emit (PTE) Parameters

D.1. Hours of Operation. This emissions unit is allowed to operate continuously, i.e., 8,760 hours/year. [Rule 62-210.200(PTE), F.A.C; and PSD-FL-168]

D.2. Emissions Unit Operating Rate Limitation After Testing. See Specific Condition **D.12.** [Rule 62-297.310(2), F.A.C.]

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 times for Specific Conditions **D.3.** through **D.5.** are based on the specified averaging time of the applicable test method.}

D.3. Visible Emissions. Visible emissions from the ash handling baghouse shall not exceed 5% opacity. [PSD-FL-168, Specific Condition No. 8]

D.4. Particulate Matter. Particulate matter emissions from bag filter exhausts from the ash handling system shall be limited to 0.010 grains per actual cubic foot. [PSD-FL-168, Specific Condition No. 11]

D.5. Visible Emissions. A visible emission reading of 5% opacity or less may be used to establish compliance with the emission limit in Specific Condition **D.4.** A visible emission reading greater than 5% opacity will not create a presumption that the 0.010 grains per actual cubic foot emission limit is being violated. However, a visible emission reading greater than 5% opacity will require the permittee to perform a stack test. Emissions shall not be visible more than two minutes in any fifteen minute period.

[PSD-FL-168, Specific Conditions No. 11 and 12]

Excess Emissions

D.6. 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.]

D.7. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited.

[Rule 62-210.700(4), F.A.C.]

Monitoring of Operations

D.8. 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.]

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.}

D.9. Visible Emissions. EPA Method 9 shall be used to determine opacity compliance pursuant to Chapter 62-297, F.A.C.

[PSD-FL-168, Specific Condition No. 19.]

D.10. Visible Emissions. Emissions shall not be visible more than two minutes in any fifteen minute period. Compliance with fugitive emissions limitations from all transfer points will be determined by EPA/DEP reference Method 22 and opacity Method 9.
[PSD-FL-168, Specific Conditions No. 12 and 19]

D.11. Particulate Matter. EPA Method 5 shall be used to determine compliance with the particulate matter emissions limitation specified in Specific Condition **D.4**. At least three one hour runs are to be conducted simultaneously with opacity testing for the ash handling building baghouse.
[PSD-FL-168, Specific Condition No. 19]

D.12. 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.]

D.13. Applicable Test Procedures.

(a) **Required Sampling Time.**

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:

c. The minimum observation period for opacity tests conducted by employees or agents of the Department to verify the day-to-day continuing compliance of a unit or activity with an applicable opacity standard shall be twelve minutes.

[Rule 62-297.310(4)(a)2.c., F.A.C.]

D.14. 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;

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;

9. The owner or operator shall notify the Department, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.

(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

D.15. Malfunction Reporting. In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the Department in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department.

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

D.16. Verification and recording of Specific Condition D.4 requirements for particulate matter emissions shall be done at least annually.

[PSD-FL-168, Specific Condition No. 11]

D.17. Test Reports.

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

(b) The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed.

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

Subsection E. This section addresses the following emissions unit.

E.U. ID No.	Brief Description
-006	Lime Handling System

The lime handling system is comprised of different conveying and storage units. Lime arrives at the facility in powdered form. Lime is slaked into a slurry for use in the PC boiler spray dryer absorber. The lime silo has a bin vent fabric filter baghouse. The lime handling system is enclosed to the extent practical. The overall capacity is 25 tons per hour. Because the potential to emit PM is below the major source threshold, this emissions unit is not subject to CAM. {Permitting notes: This emissions unit is regulated under Rule 62-210.300, F.A.C., Permits Required; Prevention of Significant Deterioration (PSD): PSD-FL-168; Rule 62-212.400(6), F.A.C., Best Available Control Technology (BACT).}

The following specific conditions apply:

General

E.1. The lime handling system, including the lime silo, shall be maintained at a negative pressure while operating, and the exhaust vented to a control system. [PSD-FL-168, Specific Condition No. 10.]

Essential Potential to Emit (PTE) Parameters

E.2. Hours of Operation. This emissions unit is allowed to operate continuously, i.e., 8,760 hours/year. [Rule 62-210.200(PTE), PSD-FL-168]

E.3. Emissions Unit Operating Rate Limitation After Testing. See Specific Condition **E.13.** [Rule 62-297.310(2), F.A.C.]

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 times for Specific Conditions **E.4.** through **E.6.** are based on the specified averaging time of the applicable test method.}

E.4. Visible Emissions. Visible emissions from the lime handling system baghouse shall not exceed 5% opacity. [PSD-FL-168, Specific Condition No. 8.]

E.5. Particulate Matter. Particulate matter emissions from bag filter exhausts from the lime handling system shall be limited to 0.010 grains per actual cubic foot. [PSD-FL-168, Specific Condition No. 11.]

E.6. Visible Emissions. A visible emission reading of 5% opacity or less may be used to establish compliance with the emission limit in Specific Condition **E.5**. A visible emission reading greater than 5% opacity will not create a presumption that the 0.010 grains per actual cubic foot emission limit is being violated. However, a visible emission reading greater than 5% opacity will require the permittee to perform a stack test.

[PSD-FL-168, Specific Condition No. 11.]

Excess Emissions

E.7. 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.]

E.8. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited.

[Rule 62-210.700(4), F.A.C.]

Monitoring of Operations

E.9. 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.]

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.}

E.10. Visible Emissions. EPA Method 9 shall be used to determine opacity compliance pursuant to Chapter 62-297, F.A.C.

[PSD-FL-168, Specific Condition No. 19.]

E.11. Opacity. Tests must be conducted with at least one lime vehicle unloading into the lime silo, from start to finish. Emissions shall not be visible more than two minutes in any fifteen minute period. Compliance with fugitive emissions limitations from all transfer points will be determined by EPA/DEP reference Method 22 and opacity Method 9. [PSD-FL-168, Specific Conditions No. 12. and 19.]

E.12. Particulate Matter. EPA Method 5 shall be used to determine compliance with the particulate matter emissions limitation specified in Specific Condition **E.5.** [PSD-FL-168, Specific Condition No. 19.]

E.13. 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.]

E.14. 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;

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;

9. The owner or operator shall notify the Department, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.

(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

E.15. Verification and recording of Specific Condition **E.5** requirements for particulate matter emissions shall be done at least annually.
[PSD-FL-168, Specific Condition No. 11.]

E.16. Malfunction Reporting. In the case of excess emissions resulting from malfunctions, each owner or operator shall notify the Department in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department.
[Rule 62-210.700(6), F.A.C.]

E.17. Test Reports.

- (a) The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Department on the results of each such test.
 - (b) The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed.
- [Rule 62-297.310(8), F.A.C.]

Subsection F. This section addresses the following emissions unit.

E.U. ID No.	Brief Description
-007	(2) Victory Energy Model 23M Keystone packaged water-tube steam boilers each with a maximum rated capacity of 175 MMBtu/hr (combined maximum rated capacity of 350 MMBtu/hr) when firing natural gas and 170.5 MMBtu/hr (341 MMBtu/hr combined) when firing propane.

{Permitting notes: These emissions units are regulated under Rule 62-210.300, F.A.C., Permits Required and NSPS-40 CFR 60, Subpart Db, Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units, adopted and incorporated by reference in Rule 62-204.800(8), F.A.C.; and Rule 62-296.406(1), F.A.C., Fossil Fuel Steam Generators with less than 250 Million Btu per hour Heat Input. }

Because these emissions units have no add-on control devices, they are not subject to compliance assurance monitoring (CAM).

The following specific conditions apply to the Auxiliary Boilers listed above:

General

F.1. Definitions. For the purposes of Rule 62-204.800(8), F.A.C., the definitions contained in the various provisions of 40 CFR 60, shall apply except that the term "Administrator" when used in 40 CFR 60, shall mean the Secretary or the Secretary's designee.
[40 CFR 60.2; and Rule 62-204.800(8)(a), F.A.C.]

APPLICABLE STANDARDS AND REGULATIONS

F.2. NSPS Requirements. The emission unit shall comply with all applicable requirements of 40 CFR 60, adopted by reference in Rule 62-204.800(8)(b), F.A.C.

(a) Subpart A, General Provisions, including:

- 40 CFR 60.7, Notification and Record Keeping
- 40 CFR 60.8, Performance Tests
- 40 CFR 60.11, Compliance with Standards and Maintenance Requirements
- 40 CFR 60.12, Circumvention
- 40 CFR 60.13, Monitoring Requirements
- 40 CFR 60.19, General Notification and Reporting Requirements

(b) Subpart Db--Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units:

The affected facility to which this subpart applies is each steam generating unit that commences construction, modification, or reconstruction after June 19, 1984, and that has a heat input capacity from fuels combusted in the steam generating unit of greater than 29 MW (100 MMBtu/hour).

F.3. NESHAP Requirements. The auxiliary boilers shall comply with all applicable requirements of 40 CFR 63, Subpart DDDDD.

PERFORMANCE RESTRICTIONS

F.4. Auxiliary Boilers. The permittee is authorized to tune, operate and maintain two identically sized gas-fired package boilers (Victory Energy Model 23M Keystone). [0850102-008-AC, Specific Condition 3.]

F.5. Permitted Capacity. The combined heat input to the identically sized auxiliary boilers shall not exceed 350 MMBtu per hour while firing natural gas, or 341 MMBtu per hour while firing propane. The heat input to each auxiliary boiler shall not exceed 175 MMBtu per hour while firing natural gas, or 170.5 MMBtu per hour while firing propane. [Design, Rule 62-210.200, F.A.C. (Definition - PTE); 0850102-008-AC, Specific Condition 4; and 0850102-017-AC, Specific Condition 2.]

F.6. Allowable Fuels. The identically sized auxiliary boilers shall be fired solely with pipeline-quality natural gas or liquid petroleum gas, as defined by the American Society for Testing and Materials in ASTM D1835-03a, "Standard Specification for Liquid Petroleum Gases". [Rule 62-210.200, F.A.C. (Definition - PTE); and 0850102-008-AC, Specific Condition 5.]

F.7. Hours of Operation. The operation of each auxiliary boiler shall not exceed 5,000 hours during any consecutive 12-month period. The permittee shall calibrate, operate and maintain a monitoring system to measure and accumulate the amount of natural gas as well as propane fired and the hours of operation for each auxiliary boiler. [Rule 62-210.200, F.A.C. (Definitions - PTE), Rule 62-212.400 (2)(g), F.A.C. (PSD Avoidance); 0850102-008-AC, Specific Condition 6.; and 0850102-017-AC, Specific Condition 3.]

F.7.1. Emissions Unit Operating Rate Limitation After Testing. See Specific Condition **F.34**. [Rule 62-297.310(2), F.A.C.]

EMISSIONS CONTROLS

F.8. Air Pollution Control Equipment. Each boiler shall be fitted with Low NO_x burners and Flue Gas Recirculation (FGR) so as to ensure that NO_x emissions do not exceed 0.040 lb/MMBtu. [Rule 62-212.400(2)(g), F.A.C.; PSD avoidance; and 0850102-008-AC, Specific Condition 9.]

F.9. Circumvention. The permittee shall not circumvent the air pollution control equipment or allow the emission of air pollutants without this equipment operating properly. [Rule 62-210.650, F.A.C.; and 0850102-008-AC, Specific Condition 10.]

EMISSIONS 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 times for Specific Conditions **F.10** through **F.14**. are based on the specified averaging time of the applicable test method.}

F.10. Summary. The following table summarizes the emissions standards specified in this permit. Although these limits were not determined by BACT, they (along with other limitations described herein) form the basis for the Department's determination that PSD does not apply.

Pollutant	Emission limit	Annual Emissions (based upon two boilers operating 5,000 hrs/yr each)
NO _x	0.040 lb/MMBtu	35 TPY
CO	0.040 lb/MMBtu	35 TPY
VOC	0.70 lb/hr	1.8 TPY
SO ₂	2.1 lb/hr	5.3 TPY
PM ₁₀	1.4 lb/hr	3.5 TPY

[0850102-008-AC, Specific Condition 11.; and 0850102-017-AC, Specific Condition 3.]

F.11. Carbon Monoxide (CO). After an initial demonstration that the manufacturer's guarantee (0.04 lb/MMBtu) can be met, CO emissions shall not exceed 400 ppm by volume corrected to 3 percent oxygen (30-day rolling average). Additionally, annual emissions of CO from this emission unit shall not exceed 35 TPY, based upon a 12-month rolling total.

The permittee shall demonstrate compliance with this standard by conducting performance tests and emissions monitoring in accordance with EPA Method 10 and the CEMS requirement of this permit. Method 10 testing is based on the average of three one-hour tests or other appropriate duration as approved in a testing protocol. Annual RATA testing may be utilized to satisfy the CO testing requirement, per Specific Conditions **F.18.** and **F.20.**, below.

[40 CFR 63, Subpart DDDDD; and 0850102-008-AC, Specific Condition 12.]

F.12. Nitrogen Oxides (NO_x). NO_x emissions from this emission unit shall not exceed 0.040 lb/MMBtu based upon a 30-day rolling average. Additionally, annual emissions of NO_x from this emission unit shall not exceed 35 TPY, based upon a 12-month rolling total.

The permittee shall demonstrate compliance with this standard by conducting performance tests and emissions monitoring in accordance with EPA Method 7 or 7E and the CEMS requirement of this permit. Method 7 or 7E testing is based on the average of three one-hour tests or other appropriate duration as approved in a testing protocol. Annual RATA testing may be utilized to satisfy the NO_x testing requirement, per Specific Conditions **F.18.** and **F.20.**, below.

[Rule 62-212.400, F.A.C. (PSD avoidance); and 0850102-008-AC, Specific Condition 13.]

F.13. Particulate Matter (PM/PM₁₀), Sulfuric Acid Mist (SAM) and Sulfur Dioxides (SO₂)

- (a) **Fuel Specifications.** Emissions of PM, PM₁₀, SAM, and SO₂ shall be limited by the sole use of pipeline-quality natural gas and commercial propane meeting GPA Liquefied Petroleum Gas Specifications. The permittee shall demonstrate compliance with the sulfur limits of each fuel by maintaining the records specified by this permit. The fuel specification is a work practice standard established as a means of complying with the small Boiler BACT for PM and SO₂ under Rule 62-296.406, F.A.C. and as a synthetic minor limit for SAM/SO₂ emissions [Rule 62-4.070(3), F.A.C., Rule 62-212.400(2)(g), F.A.C. (PSD Avoidance)].

- (b) **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 0850102-008-AC, Specific Condition 14.]

F.14. Volatile Organic Compounds (VOC). VOC emissions from this emission unit shall exceed neither 0.70 lb/hr nor 1.8 TPY, based upon a 12-month rolling total. The permittee shall demonstrate compliance with these standards by conducting an initial test in accordance with EPA Method 25A and the performance testing requirements of this permit. Testing is based on the average of three one-hour tests or other appropriate duration as approved in a testing protocol. Thereafter, compliance with the CO limits established in this permit shall be sufficient to demonstrate PSD avoidance and compliance with the 12-month rolling total VOC emission limit.

[Rule 62-212.400, F.A.C., Rule 62-212.400(2)(g), F.A.C. (PSD avoidance); and 0850102-008-AC, Specific Condition 15.]

EXCESS EMISSIONS

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

F.15. Excess Emissions Prohibited. Excess emissions caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure that may reasonably be prevented during startup, shutdown or malfunction shall be prohibited. These emissions shall be included in the calculation of the 12-month rolling and 30-day rolling averages to demonstrate compliance with the continuous emissions standards except as provided within this permit.

[Rule 62-210.700(4), F.A.C.; and 0850102-008-AC, Specific Condition 16.]

F.16. Excess Emissions Allowed. Providing the permittee adheres to best operational practices to minimize the amount and duration of excess emissions, the following conditions shall apply:

- (a) During startup and shutdown, visible emissions excluding water vapor shall not exceed 20% opacity for up to 2 hours in any 24-hour period. [Design; Rule 62-210.700(1) and (5), F.A.C.]
- (b) During all startups, shutdowns, and malfunctions, the continuous emissions monitor (CEM) shall monitor and record emissions. For the purpose of complying with the CO standard as set forth in the applicable NESHAP, data averaging and the exclusion of CEMS data shall comply with the applicable portions of 40 CFR 63 Subpart DDDDD. For the purpose of ensuring compliance with the NO_x standard as set forth in the applicable NSPS, data averaging and the exclusion of CEMS data shall comply with the applicable portions of 40 CFR 60 Subpart Db. For the purpose of ensuring the avoidance of PSD and resulting BACT Standards for NO_x and CO, no data may be excluded from the calculation of TPY emissions. In case of malfunctions, the permittee shall notify the Compliance Authorities within one working day. A full written report on the malfunctions shall be submitted in a quarterly report.

[Rules 62-210.700(1), (5), and 62-4.130, F.A.C.; and 0850102-008-AC, Specific Condition 17.]

EMISSIONS PERFORMANCE TESTING

{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.}

F.17. Sampling Facilities. The permittee shall design the stack to accommodate adequate testing and sampling locations in order to determine compliance with the applicable emission limits specified by this permit. Permanent stack sampling facilities shall be installed in accordance with Rule 62-297.310(6), F.A.C.

[Rules 62-4.070 and 62-204.800, F.A.C., 40 CFR 60.40a(b); and 0850102-008-AC, Specific Condition 18.]

F.18. Performance Test Methods. Annual compliance tests (see exception for VOC, below) 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 9 - Visual Determination of the Opacity of Emissions from Stationary Sources;
- (b) EPA Method 10 - Determination of Carbon Monoxide Emissions from Stationary Sources;
- (c) EPA Method 7 or 7E - Determination of Oxides of Nitrogen Oxide Emissions from Stationary Sources; and
- (d) EPA Method 25A - Determination of Volatile Organic Concentrations (initial test only).

Annual RATA testing at 100% output may be utilized to satisfy the above annual requirements for CO and NO_x tests. 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 in accordance with an alternate sampling procedure specified in Rule 62-297.620, F.A.C.

[0850102-008-AC, Specific Condition 19.]

F.19. Test Notification. The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests.

[40 CFR 60.7, 40 CFR 60.8 and Rule 62-297.310(7)(a)9., F.A.C.; and 0850102-008-AC, Specific Condition 20.]

F.20. Annual Performance Tests. To demonstrate compliance with the emission standards specified in this permit, the permittee shall conduct annual performance tests for CO, NO_x and visible emissions from the emission unit. If conducted at permitted capacity, CO and NO_x emissions data collected during the required annual CO and NO_x continuous monitor RATA may be substituted for the required annual performance test. Tests required on an annual basis shall be conducted at least once during each federal fiscal year (October 1st to September 30th).

[Rule 62-297.310(7)(a)4., F.A.C.; and 0850102-008-AC, Specific Condition 22.]

F.21. Tests Prior to Permit Renewal. Prior to renewing the air operation permit, the permittee shall conduct performance tests for CO, NO_x, VOC, and visible emissions from the emission

unit. These tests shall be conducted within the 12-month period prior to renewing the air operation permit. For pollutants that are 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 0850102-008-AC, Specific Condition 23.]

F.22. Tests After Substantial Modifications. All performance tests required for initial startup shall also be conducted after any substantial modification and appropriate shakedown period of air pollution control equipment. Shakedown periods shall not exceed 100 days after re-starting the emission unit. [Rule 62-297.310(7)(a)4., F.A.C.; and 0850102-008-AC, Specific Condition 24.]

F.23. Calculation of Emission Rate. For each emissions performance test, the indicated emission rate or concentration shall be the arithmetic average of the emission rate or concentration determined by each of the three separate test runs unless otherwise specified in a particular test method or applicable rule. [Rule 62-297.310(3), F.A.C.; and 0850102-008-AC, Specific Condition 25.]

F.24. 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. [Rule 62-297.310(4)(a)1., F.A.C.]
2. The minimum observation period for a visible emissions compliance test shall be sixty (60) minutes. The observation period shall include the period during which the highest opacity can reasonably be expected to occur. [Rule 62-297.310(4)(a)2., F.A.C.]

(b) Minimum Sample Volume. Unless otherwise specified in the applicable rule or test method, the minimum sample volume per run shall be 25 dry standard cubic feet. [Rule 62-297.310(4)(b), F.A.C.]

(c) Calibration of Sampling Equipment. Calibration of the sampling train equipment shall be conducted in accordance with the schedule shown in Table 297.310-1, F.A.C. [Rule 62-297.310(4)(d), F.A.C.]

[0850102-008-AC, Specific Condition 26.]

F.25. 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. [Rule 62-297.310(5)(a), F.A.C.]

(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)(b), F.A.C.]

[0850102-008-AC, Specific Condition 27.]

F.26. Special Compliance Tests. When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.

[Rule 62-297.310(7)(b), F.A.C.; and 0850102-008-AC, Specific Condition 28.]

CONTINUOUS MONITORING REQUIREMENTS

F.27. Continuous Emission Monitoring System. The owner or operator shall calibrate, maintain, and operate a continuous emission monitoring (CEM) system in the exhaust stack of this emissions unit to measure and record the emissions of NO_x and CO from the emissions units, and the carbon dioxide (CO₂) content of the flue gas at the location where NO_x and CO are monitored, in a manner sufficient to demonstrate compliance with the emission limits of this permit. The CEM system shall be used to demonstrate compliance with the emission limits for NO_x and CO within this permit.

Compliance with the limits established herein for NO_x shall be based on 30-day and 12-month rolling totals starting at midnight of the first day of each calendar month. Each hourly value shall be computed using at least one data point in each fifteen-minute quadrant of an hour, where the unit combusted fuel during that quadrant of an hour. Notwithstanding this requirement, an hourly value shall be computed from at least two data points separated by a minimum of 15 minutes (where the unit operates for more than one quadrant of an hour). The owner or operator shall use all valid measurements or data points collected during an hour to calculate the hourly averages. All data points collected during an hour shall be, to the extent practicable, evenly spaced over the hour. If the CEM system measures concentration on a wet basis, the CEM system shall include provisions to determine the moisture content of the exhaust gas and an algorithm to enable correction of the monitoring results to a dry basis (0% moisture). Alternatively, the owner or operator may develop through manual stack test measurements a curve of moisture contents in the exhaust gas versus load for each allowable fuel, and use these typical values in an algorithm to enable correction of the monitoring results to a dry basis (0% moisture). Final results of the NO_x CEM system shall be expressed as lb/MMBtu and total pounds emitted.

For the CO emissions limits established herein, measurements shall be in parts per million corrected to 3% oxygen and be based on 30-day and 12-month rolling averages starting at midnight each calendar day. Each rolling average shall be calculated by adding each valid 24-hour block average from valid operating days within the calendar month.

Annual (12-month rolling) NO_x and CO emission totals shall be recalculated monthly and available on site for inspection purposes. Additionally, each year the facility shall submit all 12 months worth of calculations as part of the AOR submission.

[0850102-008-AC, Specific Condition 29.]

F.28. Certification. The NO_x monitor shall be certified and operated in accordance with the following requirements. The NO_x monitor shall be certified pursuant to 40 CFR Part 60,

Appendix B and shall be operated and maintained in accordance with the applicable requirements. Quality assurance procedures shall conform to the requirements of 40 CFR 60, Appendix F. The RATA tests required for the NO_x monitor shall be performed using EPA Method 7 or 7E of Appendix A of 40 CFR 60.

The CO monitor and CO₂ monitor shall be certified and operated in accordance with the following requirements. The CO monitor shall be certified pursuant to 40 CFR 60, Appendix B, Performance Specification 4. The CO₂ monitor shall be certified pursuant to 40 CFR 60, Appendix B, Performance Specification 3. Quality assurance procedures shall conform to the requirements of 40 CFR 60, Appendix F. The Data Assessment Report of section 7 shall be made each calendar quarter, and reported semi-annually to the Department's Southeast District Office. The RATA tests required for the CO monitor shall be performed using EPA Method 10, of Appendix A of 40 CFR 60. The Method 10 analysis shall be based on a continuous sampling train, and the ascarite trap may be omitted or the interference trap of section 10.1 may be used in lieu of the silica gel and ascarite traps. The RATA tests required for the CO₂ monitor shall be performed using EPA Method 3B, of Appendix A of 40 CFR 60.

[0850102-008-AC, Specific Condition 30.]

NO_x/CO CEMS Data Requirements: NO_x, CO and CO₂ emissions data shall be recorded by the CEM system during episodes of startup, shutdown and malfunction. Best operational practices shall be used to minimize hourly emissions that occur during episodes of startup, shutdown and malfunction. Emissions of any quantity or duration that occur entirely or in part from poor maintenance, poor operation, or any other equipment or process failure, which may reasonably be prevented, shall be prohibited. A summary report of data excluded from the block average calculation, and all instances of missing data from monitor downtime, shall be reported to the Department's Southeast District office semi-annually, and shall be consolidated with the report required pursuant to 40 CFR 60.7. The duration of excess emissions shall be the duration of the periods of data excluded for such episodes. Reports required by this paragraph and by 40 CFR 60.7 shall be submitted no less than semi-annually, including semi-annual periods in which no data is excluded or no instances of missing data occur.

[Rules 62-4.070(3) and 62-212.400., F.A.C., and PSD avoidance; and 0850102-008-AC, Specific Condition 31.]

COMPLIANCE DEMONSTRATIONS

F.29. 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) and 62-213.440(1)(b)2., F.A.C.; and 0850102-008-AC, Specific Condition 32.]

REPORTS

F.30. 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 0850102-008-AC, Specific Condition 33.]

F.31. Quarterly Excess Emissions Reports. If excess CO, NO_x or visible emissions occur due to malfunction, the permittee shall notify the Compliance Authority within (1) working day of: the nature, extent, and duration of the excess emissions; the cause of the excess emissions; and the actions taken to correct the problem. In addition, the Department may request a written summary report of the incident. Following the NSPS format in 40 CFR 60.7, Subpart A, periods of startup, shutdown and malfunction, shall be monitored, recorded and reported as excess emissions when emission levels exceed the standards specified in this permit. Within thirty (30) days following each calendar quarter, the permittee shall submit a report on any periods of excess emissions that occurred during the previous calendar quarter to the Compliance Authority. [Rules 62-4.130, 62-204.800, 62-210.700(6), F.A.C., 40 CFR 60.7; and 0850102-008-AC, Specific Condition 34.]

F.32. 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. This report shall include a summary of each of the prior year 12-month emission limitations, which are required for EU-007 by this permit. [Rule 62-210.370(2), F.A.C.; and 0850102-008-AC, Specific Condition 35.]

F.33. 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.]

F.34. Operating Rate During Testing. Testing of emissions shall be conducted with the emissions unit operating 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 (i.e., at less than 90 percent of the maximum operation rate allowed by the permit); in this case, subsequent emissions unit operation is limited to 110 percent of the test load until a new test is conducted, provided however, operations do not exceed 100 percent of the maximum operation rate allowed by the permit. 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.]

F.35. 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.

2. For excess emission limitations for particulate matter specified in Rule 62-210.700, F.A.C., a compliance test shall be conducted annually while the emissions unit is operating under soot blowing conditions in each federal fiscal year during which soot blowing is part of normal emissions unit operation, except that such test shall not be required in any federal fiscal year in which a fossil fuel steam generator does not burn liquid fuel for more than 400 hours other than during startup.

3. The owner or operator of an emissions unit that is subject to any emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining a renewed operation permit. Emissions units that are required to conduct an annual compliance test may submit the most recent annual compliance test to satisfy the requirements of this provision. In renewing an air operation permit pursuant to 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 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 fuel, other than during startup, for a total of more than 400 hours.

(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]

F.36. Test Reports.

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

(b) The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed.

(c) The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report, other than for an EPA or DEP Method 9 test, shall provide the following information:

1. The type, location, and designation of the emissions unit tested.
2. The facility at which the emissions unit is located.
3. The owner or operator of the emissions unit.
4. The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.
5. The means, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emission limiting standard.
6. The type of air pollution control devices installed on the emissions unit, their general condition, their normal operating parameters (pressure drops, total operating current and GPM scrubber water), and their operating parameters during each test run.
7. A sketch of the duct within 8 stack diameters upstream and 2 stack diameters downstream of the sampling ports, including the distance to any upstream and downstream bends or other flow disturbances.
8. The date, starting time and duration of each sampling run.
9. The test procedures used, including any alternative procedures authorized pursuant to Rule 62-297.620, F.A.C. Where optional procedures are authorized in this chapter, indicate which option was used.
10. The number of points sampled and configuration and location of the sampling plane.
11. For each sampling point for each run, the dry gas meter reading, velocity head, pressure drop across the stack, temperatures, average meter temperatures and sample time per point.
12. The type, manufacturer and configuration of the sampling equipment used.
13. Data related to the required calibration of the test equipment.
14. Data on the identification, processing and weights of all filters used.
15. Data on the types and amounts of any chemical solutions used.
16. Data on the amount of pollutant collected from each sampling probe, the filters, and the impingers, are reported separately for the compliance test.
17. The names of individuals who furnished the process variable data, conducted the test, analyzed the samples and prepared the report.
18. All measured and calculated data required to be determined by each applicable test procedure for each run.
19. The detailed calculations for one run that relate the collected data to the calculated emission rate.
20. The applicable emission standard, and the resulting maximum allowable emission rate for the emissions unit, plus the test result in the same form and unit of measure.
21. A certification that, to the knowledge of the owner or his authorized agent, all data submitted are true and correct. When a compliance test is conducted for the Department or its agent, the person who conducts the test shall provide the certification with respect to the

test procedures used. The owner or his authorized agent shall certify that all data required and provided to the person conducting the test are true and correct to his knowledge.
[Rule 62-297.310(8), F.A.C.]

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

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

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

	Brief Description of Emissions Units and/or Activities
1	Diesel Fire Pump
2	Portable Space Heaters
3	Parts Washer
4	Main Turbine Oil Tank
5	Dirty Turbine Oil Tank
6	Diesel Fuel Tank
7	Waste Oil Tank
8	Unleaded Gasoline Tank
9	Diesel Tank for Fire Pump
10	Water Treatment Lime Silo
11	Water Treatment Soda Ash Silo
12	Chemical Totes Plant-wide
13	Transformer Oil Storage
14	Hydrogen from Turbine Seal
15	Other Gas Cylinder Use
16	Oil Water Separator
17	Lab Fume Hoods
18	Transfer of Calcium Chloride Bags
19	Cooling Tower
20	Filter Press
21	Lube Oil Vent
22	Seal Oil Vent
23	Water Treatment Activated Carbon Tanks
24	Chlorine Dioxide Generation System
25	Portable Diesel Water Pump
26	Oil Mist from Turbine Seal
27	Emergency Diesel Generator

Appendix H-1. Permit History/ID Number Changes

Permit History (for tracking purposes):

E.U. ID No.	Description	Permit No.	Issue Date	Expiration Date	Revised Date(s)
-001	Pulverized Coal Main Boiler	PA90-31 PSD-FL-168 0850102-001-AV (Initial Title V Permit)	02/04/92 03/26/92 08/23/99	 08/22/04	07/16/92 07/11/95 04/13/98
-003	Two Auxiliary Boilers (removed)	PSD-FL-168 0850102-001-AV	03/26/92 08/23/99	 08/22/04	07/16/92 07/11/96 04/13/98
-004	Coal Handling System	PSD-FL-168 0850102-001-AV	03/26/92 08/23/99	 08/22/04	07/16/92 07/11/95 04/13/98
-005	Ash Handling System	PSD-FL-168 0850102-001-AV	03/26/92 08/23/99	 08/22/04	07/16/92 07/11/95 04/13/98
-006	Lime Handling System	PSD-FL-168 0850102-001-AV 0850102-009-AC 0850102-014-AC	03/26/92 08/23/99 6/19/07 9/7/07	 08/22/04 12/31/08 12/31/08	07/16/92 07/11/95 04/13/98
	Temporary Package Boiler (unregulated)	Specific Exemption 0850102-006-AC	03/31/03	03/31/03	
	All of the above.	0850102-007-AV	1/12/05	01/11/10	
-007	Two Auxiliary Boilers	0850102-008-AC 0850102-010-AC	12/22/05 4/5/07	01/01/07 9/30/07	

-004	Coal Pile Operation	0850102-012-AC 0850102-013-AV	09/14/07 1/31/08	1/11/10	
-007	Two Auxiliary Boilers	0850102-011-AV	10/14/07	01/11/10	

Appendix U-1, List of Unregulated Emissions Units and/or Activities.

Indiantown Cogeneration, L.P.
Indiantown Cogeneration Plant

Permit No. **0850102-018-AV**
Facility ID No. **0850102**

Unregulated Emissions Units and/or Activities. An emissions unit which emits no “emissions-limited pollutant” and which is subject to no unit-specific work practice standard, though it may be subject to regulations applied on a facility-wide basis (e.g., unconfined emissions, odor, general opacity) or to regulations that require only that it be able to prove exemption from unit-specific emissions or work practice standards.

For those unregulated emissions units subject to the *General Visible Emissions Standard* at Rule 62-296.320(4)(b), F.A.C., then the provisions of Rule 62-210.700, F.A.C., *Excess Emissions*, are available for purposes of compliance.

The below listed emissions units and/or activities are neither ‘regulated emissions units’ nor ‘insignificant emissions units’.

E.I.

<u>ID No.</u>	<u>Brief Description of Emissions Units and/or Activity</u>
	Temporary Package Boiler

Indiantown Cogeneration Plant

APPENDIX CAM

Compliance Assurance Monitoring Requirements

Compliance Assurance Monitoring Requirements

Pursuant to Rule 62-213.440(1)(b)1.a., F.A.C., the CAM plans that are included in this appendix contain the monitoring requirements necessary to satisfy 40 CFR 64. Conditions 1. – 17. are generic conditions applicable to all emissions units that are subject to the CAM requirements. Specific requirements related to each emissions unit are contained in the attached tables, as submitted by the applicant and approved by the Department.

40 CFR 64.6 Approval of Monitoring.

1. The attached CAM plan(s), as submitted by the applicant, is/are approved for the purposes of satisfying the requirements of 40 CFR 64.3.

[40 CFR 64.6(a)]

2. The attached CAM plan(s) include the following information:

(i) The indicator(s) to be monitored (such as temperature, pressure drop, emissions, or similar parameter);

(ii) The means or device to be used to measure the indicator(s) (such as temperature measurement device, visual observation, or CEMS); and

(iii) The performance requirements established to satisfy 40 CFR 64.3(b) or (d), as applicable.

[40 CFR 64.6(c)(1)]

3. The attached CAM plan(s) describe the means by which the owner or operator will define an exceedance of the permitted limits or an excursion from the stated indicator ranges and averaging periods for purposes of responding to (see **CAM Conditions 5. - 9.**) and reporting exceedances or excursions (see **CAM Conditions 10. - 14.**).

[40 CFR 64.6(c)(2)]

4. The permittee is required to conduct the monitoring specified in the attached CAM plan(s) and shall fulfill the obligations specified in the conditions below (see **CAM Conditions 5. - 17.**).

[40 CFR 64.6(c)(3)]

40 CFR 64.7 Operation of Approved Monitoring.

5. Commencement of operation. The owner or operator shall conduct the monitoring required under this appendix upon the effective date of this Title V permit.

[40 CFR 64.7(a)]

6. Proper maintenance. At all times, the owner or operator shall maintain the monitoring, including but not limited to, maintaining necessary parts for routine repairs of the monitoring equipment.

[40 CFR 64.7(b)]

7. Continued operation. Except for, as applicable, monitoring malfunctions, associated repairs, and required quality assurance or control activities (including, as applicable, calibration checks and required zero and span adjustments), the owner or operator shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the pollutant-specific emissions unit is operating. Data recorded during monitoring malfunctions, associated repairs, and required quality assurance or control activities shall not be used for purposes of this part, including data averages and calculations, or fulfilling a minimum data availability requirement, if applicable. The owner or operator shall use all the data collected during all other periods in assessing the

operation of the control device and associated control system. A monitoring malfunction is any sudden, infrequent, not reasonably preventable failure of the monitoring to provide valid data. Monitoring failures that are caused in part by poor maintenance or careless operation are not malfunctions.

[40 CFR 64.7(c)]

8. Response to excursions or exceedances.

- a. Upon detecting an excursion or exceedance, the owner or operator shall restore operation of the pollutant-specific emissions unit (including the control device and associated capture system) to its normal or usual manner of operation as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions. The response shall include minimizing the period of any startup, shutdown or malfunction and taking any necessary corrective actions to restore normal operation and prevent the likely recurrence of the cause of an excursion or exceedance (other than those caused by excused startup or shutdown conditions, if allowed by this permit). Such actions may include initial inspection and evaluation, recording that operations returned to normal without operator action (such as through response by a computerized distribution control system), or any necessary follow-up actions to return operation to within the indicator range, designated condition, or below the applicable emission limitation or standard, as applicable.
- b. Determination of whether the owner or operator has used acceptable procedures in response to an excursion or exceedance will be based on information available, which may include but is not limited to, monitoring results, review of operation and maintenance procedures and records, and inspection of the control device, associated capture system, and the process.

[40 CFR 64.7(d)(1) & (2)]

9. Documentation of need for improved monitoring. If the owner or operator identifies a failure to achieve compliance with an emission limitation or standard for which the approved monitoring did not provide an indication of an excursion or exceedance while providing valid data, or the results of compliance or performance testing document a need to modify the existing indicator ranges or designated conditions, the owner or operator shall promptly notify the permitting authority and, if necessary, submit a proposed modification to the Title V permit to address the necessary monitoring changes. Such a modification may include, but is not limited to, reestablishing indicator ranges or designated conditions, modifying the frequency of conducting monitoring and collecting data, or the monitoring of additional parameters.

[40 CFR 64.7(e)]

40 CFR 64.8 Quality Improvement Plan (QIP) Requirements.

10. Based on the results of a determination made under **CAM Condition 8.a.**, above, the permitting authority may require the owner or operator to develop and implement a QIP. Consistent with **CAM Condition 4.**, an accumulation of exceedances or excursions exceeding 5 percent duration of a pollutant-specific emissions unit's operating time for a reporting period, may require the implementation of a QIP. The threshold may be set at a higher or lower percent or may rely on other criteria for purposes of indicating whether a pollutant-specific emissions unit is being maintained and operated in a manner consistent with good air pollution control practices.

[40 CFR 64.8(a)]

11. Elements of a QIP:

- a. The owner or operator shall maintain a written QIP, if required, and have it available for inspection.
- b. The plan initially shall include procedures for evaluating the control performance problems and, based on the results of the evaluation procedures, the owner or operator shall modify the plan to include procedures for conducting one or more of the following actions, as appropriate:

- (i) Improved preventive maintenance practices.
- (ii) Process operation changes.
- (iii) Appropriate improvements to control methods.
- (iv) Other steps appropriate to correct control performance.
- (v) More frequent or improved monitoring (only in conjunction with one or more steps under **CAM Condition 11.b(i)** through **(iv)**, above).

[40 CFR 64.8(b)]

12. If a QIP is required, the owner or operator shall develop and implement a QIP as expeditiously as practicable and shall notify the permitting authority if the period for completing the improvements contained in the QIP exceeds 180 days from the date on which the need to implement the QIP was determined.

[40 CFR 64.8(c)]

13. Following implementation of a QIP, upon any subsequent determination pursuant to **CAM Condition 8.b.**, the permitting authority may require that an owner or operator make reasonable changes to the QIP if the QIP is found to have:

- a. Failed to address the cause of the control device performance problems; or
- b. Failed to provide adequate procedures for correcting control device performance problems as expeditiously as practicable in accordance with good air pollution control practices for minimizing emissions.

[40 CFR 64.8(d)]

14. Implementation of a QIP shall not excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act.

[40 CFR 64.8(e)]

40 CFR 64.9 Reporting And Recordkeeping Requirements.

15. General reporting requirements.

- a. On and after the date specified in **CAM Condition 5.** by which the owner or operator must use monitoring that meets the requirements of this appendix, the owner or operator shall submit monitoring reports semi-annually to the permitting authority in accordance with Rule 62-213.440(1)(b)3.a., F.A.C.
- b. A report for monitoring under this part shall include, at a minimum, the information required under Rule 62-213.440(1)(b)3.a., F.A.C., and the following information, as applicable:
 - (i) Summary information on the number, duration and cause (including unknown cause, if applicable) of excursions or exceedances, as applicable, and the corrective actions taken;
 - (ii) Summary information on the number, duration and cause (including unknown cause, if applicable) for monitor downtime incidents (other than downtime associated with zero and span or other daily calibration checks, if applicable); and
 - (iii) A description of the actions taken to implement a QIP during the reporting period as specified in **CAM Conditions 10.** through **14.** Upon completion of a QIP, the owner or operator shall include in the next summary report documentation that the implementation of the plan has been completed and reduced the likelihood of similar levels of excursions or exceedances occurring.

[40 CFR 64.9(a)]

16. General recordkeeping requirements.

- a. The owner or operator shall comply with the recordkeeping requirements specified in Rule 62-213.440(1)(b)2., F.A.C. The owner or operator shall maintain records of monitoring data,

monitor performance data, corrective actions taken, any written quality improvement plan required pursuant to **CAM Conditions 10.** through **14.** and any activities undertaken to implement a quality improvement plan, and other supporting information required to be maintained under this part (such as data used to document the adequacy of monitoring, or records of monitoring maintenance or corrective actions).

- b. Instead of paper records, the owner or operator may maintain records on alternative media, such as microfilm, computer files, magnetic tape disks, or microfiche, provided that the use of such alternative media allows for expeditious inspection and review, and does not conflict with other applicable recordkeeping requirements.

[40 CFR 64.9(b)]

40 CFR 64.10 Savings Provisions.

17. It should be noted that nothing in this appendix shall:

- a. Excuse the owner or operator of a source from compliance with any existing emission limitation or standard, or any existing monitoring, testing, reporting or recordkeeping requirement that may apply under federal, state, or local law, or any other applicable requirements under the Act. The requirements of this appendix shall not be used to justify the approval of monitoring less stringent than the monitoring which is required under separate legal authority and are not intended to establish minimum requirements for the purpose of determining the monitoring to be imposed under separate authority under the Act, including monitoring in permits issued pursuant to title I of the Act. The purpose of this part is to require, as part of the issuance of a permit under Title V of the Act, improved or new monitoring at those emissions units where monitoring requirements do not exist or are inadequate to meet the requirements of this part.
- b. Restrict or abrogate the authority of the Administrator or the permitting authority to impose additional or more stringent monitoring, recordkeeping, testing, or reporting requirements on any owner or operator of a source under any provision of the Act, including but not limited to sections 114(a)(1) and 504(b), or state law, as applicable.
- c. Restrict or abrogate the authority of the Administrator or permitting authority to take any enforcement action under the Act for any violation of an applicable requirement or of any person to take action under section 304 of the Act.

[40 CFR 64.10]

Indiantown Cogeneration, L.P.

Emissions Unit 001

**3,422 MMBtu/Hr Pulverized Coal-Fired Boiler
Particulate Matter Emissions Controlled By a Baghouse**

Monitoring Approach and Corrective Action Procedures

Table 1. Monitoring Approach

	<u>Indicator 1.</u>	<u>Indicator 2.</u>
I. Indicator	Duct opacity.	Change in duct opacity
Measurement Approach	Continuous opacity monitoring system (COMS).	Continuous opacity monitoring system (COMS).
II. Indicator Range	An excursion is defined as opacity greater than 6.0%, based on a one-hour block average (other than startup and shutdown periods).	An excursion is defined as any sudden and sustained step-change (increase) in opacity as documented by the trend of the one-hour block average (other than startup and shutdown periods).
III. Performance Criteria		
A. Data Representativeness	Based on available data under normal operation, the representative stack opacity of each unit is in the range of 2.5 to 6%. Based on past stack test results, a sustained opacity greater than 6% may indicate a potential problem with the baghouse.	Based on available data under normal operation, opacity varies with load and operating conditions. Variability is typically a gradual increase or decrease, with occasional sudden spikes and dips. A sudden and sustained step-increase in opacity could indicate a failure in one or more of the baghouse compartments.
B. Verification of Operational Status	Annual testing during normal operation is used to verify particulate mass loading. The COM system is audited quarterly.	The COM system is audited quarterly.
C. QA/QC Practices and Criteria	Install and operate COMS according to 40 CFR Part 60 Appendix B, Performance Specification 1 and general provisions 60.13.	Install and operate COMS according to 40 CFR Part 60 Appendix B, Performance Specification 1 and general provisions 60.13.
D. Monitoring Frequency	Continuous.	Continuous.
E. Data Collection Procedures	The COMS collects data that are reduced to one-hour block averages. Consecutive one-hour block averages are tracked through the Distributed Control System (DCS) and CEM software.	The COMS collects data that are reduced to one-hour block averages. Consecutive one-hour block averages are tracked through the Distributed Control System (DCS) and CEM software.
F. Averaging Period	One-hour block average.	None.

Table 2. Corrective Action Procedures Summary

	<u>Description</u>
<p>I. Initiation of Corrective Action Procedures</p>	<p>Corrective action shall be initiated with the discovery of opacity greater than 6.0%, based on a one-hour block average and that defines an excursion (as defined in CAM Table-1). The plant staff that made the discovery shall immediately notify the shift supervisor or responsible official. This action describes a corrective action trigger. {Note: A step-change in opacity for no known reason may also trigger the below actions, but does not necessarily represent an excursion as defined by this plan.}</p>
<p>II. Time of Completion of Corrective Action Procedures</p>	<p>As soon as practically possible.</p>
<p>III. Corrective Action</p>	<p>The shift supervisor or responsible official will implement the following as a corrective action.</p> <p>Procedures, as presented in the O&M Plan, include the following alternatives that will be initiated as necessary.</p> <ul style="list-style-type: none"> • Perform operational diagnostics to identify cause of the excursion. • If operational diagnostics indicate a malfunction of the baghouse, the reason for failure will be identified. • If isolation of the compartment can be accomplished to reduce opacity below the excursion level, such measures will be undertaken. • In the event of the need for the unit shutdown to bring opacity to below excursion levels, the task will be undertaken based on procedures described in the O&M Plan for the facility. <p>Regardless of the failure mechanism, baghouse operation will be restored such that the cause of excursion is identified and appropriate actions taken to ensure opacity below excursion levels.</p>

Table 1-1, Air Pollutant Standards and Terms

Indiantown Cogeneration, L.P.
Indiantown Cogeneration Facility

Permit No.: 0850102-018-AV
Facility ID No.: 0850102

This table summarizes information for convenience purposes only. This table does not supercede any of the terms or conditions of this permit, or add any conditions.

E. U. ID No(s)	Brief Description	Pollutant Name	Fuel(s)	Hours/Year	Basis	Allowable Emissions		Regulatory Citations	See Permit Conditions	
						lb/hr	TPY			
-001	Pulverized Coal (PC) Boiler	PM/PM10	Coal	8760	0.018 lb/MMBtu (1)	61.6	270	Rule 62-212.410, F.A.C.	A.12	
		SO2	Coal	8760	0.170 lb/MMBtu (1)	582	2549	Rule 62-212.410, F.A.C.	A.12	
		NOx	Coal	8760	0.170 lb/MMBtu (1)	582	2549	Rule 62-212.410, F.A.C.	A.12	
		CO	Coal	8760	0.110 lb/MMBtu (1)	376	1649	Rule 62-212.410, F.A.C.	A.12	
		VOC	Coal	8760	0.0036 lb/MMBtu (1)	12.32	54	Rule 62-212.410, F.A.C.	A.12	
		SAM	Coal	8760	0.0004 lb/MMBtu (1)	1.45	6.51	Rule 62-212.410, F.A.C.	A.12	
		H021	Coal	8760	0.0000027 lb/MMBtu (1)	0.0094	0.041	Rule 62-212.410, F.A.C.	A.12	
		H114	Coal	8760	0.0000114 lb/MMBtu (1)	0.039	0.17	Rule 62-212.410, F.A.C.	A.12	
		Pb	Coal	8760	0.0000187 lb/MMBtu (1)	0.064	0.28	Rule 62-212.410, F.A.C.	A.12	
		FL	Coal	8760	0.0015 lb/MMBtu (1)	5.08	22.3	Rule 62-212.410, F.A.C.	A.12	
		Arsenic	Coal	8760	0.000051 lb/MMBtu (1)	0.18	0.77	Rule 62-212.410, F.A.C.	A.12	
		Ammonia	Coal	8760	50 ppmv			Rule 62-212.410, F.A.C.	A.13	
		Opacity	Coal	8760	Not > 10% (2)			Rule 62-212.410, F.A.C.	A.9	
E. U. ID No(s)	Brief Description	Pollutant Name	Fuel(s)	Hours/Year	Basis	Allowable Emissions	Regulatory Citations	See Permit Conditions		
						lb/hr				
-004	Coal Handling System	PM		8760	0.010 grains/acf		Rule 62-212.410, F.A.C.	C.4		
		Opacity			Not > 10%		Rule 62-212.410, F.A.C.	C.3		
-005	Ash Handling System	PM		8760	0.010 grains/acf		Rule 62-212.410, F.A.C.	D.4		
		Opacity			Not > 10%		Rule 62-212.410, F.A.C.	D.3		
-006	Lime Handling System	PM		8760	0.010 grains/acf		Rule 62-212.410, F.A.C.	E.5		
		Opacity			Not > 5%		Rule 62-212.410, F.A.C.	E.4		
E. U. ID No(s)	Brief Description	Pollutant Name	Fuel(s)	Hours/Year	Basis	Allowable Emissions	Regulatory Citations	See Permit Conditions		
						lb/hr				
-007	2 Auxiliary Boilers	PM/PM10	Natural Gas/Propane	5000		1.4	3.5		F.10.	
		SO2	Natural Gas/Propane	5000		2.1	5.3		F.10.	
		NOx	Natural Gas/Propane	5000	0.040 lb/MMBtu			35		F.10.
		CO	Natural Gas/Propane	5000	0.040 lb/MMBtu			35		F.10.
		VOC	Natural Gas/Propane	5000			0.7	1.8		F.10.
		Opacity	Natural Gas/Propane	5000	Not > 20% (2)					F.13.

(1) Basis only, not a permit limit.

(2) Except for one 6-minute period per hour of not more than 27% opacity.

Table 2-1, Compliance Requirements

Indiantown Cogeneration, L.P.
Indiantown Cogeneration Facility

Permit No.: 0850102-018-AV
Facility ID No.: 0850102

This table summarizes information for convenience purposes only. This table does not supercede any of the terms or conditions of this permit, or add any conditions.

E.U. ID No(s)	Brief Description	Pollutant Name	Fuel(s)	Compliance Method: EPA Method	Testing Time Frequency	Frequency Base Date**	Min. Compliance Test Duration	CMS*	See Permit Conditions
-001	Pulverized Coal (PC) Boiler	PM/PM10	Coal	5	Annual		3 hours		A.41, A.54
		SO2	Coal	6, 6C, or 19	Annual			Yes	A.41, A.54
		NOx	Coal	7E	Annual			Yes	A.41, A.54
		CO	Coal	10	Annual				A.41, A.54
		VOC	Coal	25A or 18 and 25A	Initial				A.41
		SAM	Coal	8	Initial				A.41
		Beryllium (H021)	Coal	29	Initial				A.41
		Mercury (H114)	Coal	29	Initial				A.41
		Pb	Coal	29	Initial				A.41
		FL	Coal	13A or 13B	Initial				A.41
		Arsenic	Coal	29	Initial				A.41
		Ammonia	Coal	EPA conditional test method	Initial				A.41
		Visible Emissions	Coal	9	Annual			1 hour	Yes
E.U. ID No(s)	Brief Description	Pollutant Name	Fuel(s)	Compliance Method: EPA Method	Testing Time Frequency	Frequency Base Date**	Min. Compliance Test Duration	CMS*	See Permit Conditions
-004	Coal Handling System	PM		5	Annual	1-Oct	1 hour		C.11
		Visible Emissions		9	Annual	1-Oct			
-005	Ash Handling System	PM		5	Annual	1-Oct	1 hour		D.11
		Visible Emissions		9	Annual	1-Oct			
-006	Lime Handling System	PM		5	Annual	1-Oct	one vehicle unload		E.12
		Visible Emissions		9	Annual	1-Oct			
E.U. ID No(s)	Brief Description	Pollutant Name	Fuel(s)	Compliance Method: EPA Method	Testing Time Frequency	Frequency Base Date**	Min. Compliance Test Duration	CMS*	See Permit Conditions
-007	2 Auxiliary Boilers	PM/PM10	Natural Gas/Propane	Use NG/LPG only					F.18.
		SO2	Natural Gas/Propane	Use NG/LPG only					F.18.
		NOx	Natural Gas/Propane	7 or 7E	Annual			Yes	F.18.
		CO	Natural Gas/Propane	10	Annual			Yes	F.18.
		VOC	Natural Gas/Propane	25A	Initial				F.18.
		Visible Emissions	Natural Gas/Propane	9	Annual				F.18.

*CMS = Continuous Monitoring System

Friday, Barbara

To: GaryWiller@cogentrix.com; Laryea, Nicholas; glipka@ebiconsulting.com; Hoefert, Lee; Forney.Kathleen@epamail.epa.gov

Cc: Cascio, Tom

Subject: DRAFT Air Construction Permit No.: 0850102-017-AC/DRAFT/PROPOSED Title V Permit Revision No.: 0850102-018-AV

Attachments: Technical Evaluation 2008.pdf; Appendix C 2008.pdf; Appendix GC 2008.pdf; Draft AC Cover Page 2008.pdf; Draft AC Section 1 2008.pdf; Draft AC Section 2 2008.pdf; Draft AC Section 3 2008.pdf; Unregulated 2008.pdf; Appendix CAM 2008.pdf; CombinedPublic Notice Draft and Proposed Permit.pdf; CombinedWrittenNoticeDraftandProposedPermit.pdf; Permit 11 2008.pdf; Permit 12 2008.pdf; Statement of Basis 2008.pdf; Tables 1-1 and 2-1 2008.pdf

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Cc: Cascio, Tom
Subject: DRAFT/PROPOSED Title V Permit Revision No.: 1050233-022-AV - Tampa Electric Company - Polk Power Station
Sent: 7/1/2008 11:23 AM

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Friday, Barbara

From: System Administrator
To: Hoefert, Lee
Sent: Tuesday, July 01, 2008 12:44 PM
Subject: Delivered:DRAFT Air Construction Permit No.: 0850102-017-AC/DRAFT/PROPOSED Title V Permit Revision No.: 0850102-018-AV

Your message

To: 'GaryWiller@cogentrix.com'; 'Laryea, Nicholas'; 'glipka@ebiconsulting.com'; Hoefert, Lee; 'Forney.Kathleen@epamail.epa.gov'
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Subject: DRAFT Air Construction Permit No.: 0850102-017-AC/DRAFT/PROPOSED Title V Permit Revision No.: 0850102-018-AV
Sent: 7/1/2008 12:44 PM

was delivered to the following recipient(s):

Hoefert, Lee on 7/1/2008 12:44 PM

Friday, Barbara

From: Hoefert, Lee
To: Friday, Barbara
Sent: Tuesday, July 01, 2008 1:29 PM
Subject: Read: DRAFT Air Construction Permit No.: 0850102-017-AC/DRAFT/PROPOSED Title V Permit Revision No.: 0850102-018-AV

Your message

To: 'GaryWiller@cogentrix.com'; 'Laryea, Nicholas'; 'glipka@ebiconsulting.com'; Hoefert, Lee; 'Forney.Kathleen@epamail.epa.gov'
Cc: Cascio, Tom
Subject: DRAFT Air Construction Permit No.: 0850102-017-AC/DRAFT/PROPOSED Title V Permit Revision No.: 0850102-018-AV
Sent: 7/1/2008 12:44 PM

was read on 7/1/2008 1:29 PM.

Friday, Barbara

From: Hoefert, Lee
Sent: Tuesday, July 01, 2008 1:29 PM
To: Friday, Barbara
Subject: RE: DRAFT Air Construction Permit No.: 0850102-017-AC/DRAFT/PROPOSED Title V Permit Revision No.: 0850102-018-AV

Lee C. Hoefert, P.E.

Air Program Administrator

Florida Department of Environmental Protection

Southeast District

400 N. Congress Ave., Suite 200

West Palm Beach, FL 33401

561-681-6626 (Phone), 561-681-6790 (Fax)

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Sent: Tuesday, July 01, 2008 12:44 PM
To: 'GaryWiller@cogentrix.com'; 'Laryea, Nicholas'; 'glipka@ebiconsulting.com'; Hoefert, Lee; 'Forney.Kathleen@epamail.epa.gov'
Cc: Cascio, Tom
Subject: DRAFT Air Construction Permit No.: 0850102-017-AC/DRAFT/PROPOSED Title V Permit Revision No.: 0850102-018-AV

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To: Cascio, Tom
Sent: Tuesday, July 01, 2008 12:44 PM
Subject: Delivered:DRAFT Air Construction Permit No.: 0850102-017-AC/DRAFT/PROPOSED Title V Permit Revision No.: 0850102-018-AV

Your message

To: 'GaryWiller@cogentrix.com'; 'Laryea, Nicholas'; 'glipka@ebiconsulting.com'; Hoefert, Lee; 'Forney.Kathleen@epamail.epa.gov'
Cc: Cascio, Tom
Subject: DRAFT Air Construction Permit No.: 0850102-017-AC/DRAFT/PROPOSED Title V Permit Revision No.: 0850102-018-AV
Sent: 7/1/2008 12:44 PM

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Cascio, Tom on 7/1/2008 12:44 PM

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To: Friday, Barbara
Sent: Tuesday, July 01, 2008 12:44 PM
Subject: Read: DRAFT Air Construction Permit No.: 0850102-017-AC/DRAFT/PROPOSED Title V Permit Revision No.: 0850102-018-AV

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To: 'GaryWiller@cogentrix.com'; 'Laryea, Nicholas'; 'glipka@ebiconsulting.com'; Hoefert, Lee; 'Forney.Kathleen@epamail.epa.gov'
Cc: Cascio, Tom
Subject: DRAFT Air Construction Permit No.: 0850102-017-AC/DRAFT/PROPOSED Title V Permit Revision No.: 0850102-018-AV
Sent: 7/1/2008 12:44 PM

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Friday, Barbara

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Sent: Tuesday, July 01, 2008 12:45 PM
To: Friday, Barbara
Subject: Delivery Status Notification (Relay)

Attachments: ATT319290.txt; DRAFT Air Construction Permit No.: 0850102-017-AC/DRAFT/PROPOSED
Title V Permit Revision No.: 0850102-018-AV



ATT319290.txt
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NicholasLaryea@Cogentrix.com

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To: Friday, Barbara
Subject: Delivery Status Notification (Relay)

Attachments: ATT319365.txt; DRAFT Air Construction Permit No.: 0850102-017-AC/DRAFT/PROPOSED
Title V Permit Revision No.: 0850102-018-AV



ATT319365.txt
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glipka@ebiconsulting.com

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To: Friday, Barbara
Subject: Successful Mail Delivery Report

Attachments: Delivery report; Message Headers



Delivery report.txt
(500 B)

Message
Headers.txt (2 KB)

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The mail system

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OK, sent 486A5F3A_13379_40835_1 9CA9644458

Friday, Barbara

From: Forney.Kathleen@epamail.epa.gov
Sent: Wednesday, July 16, 2008 10:58 AM
To: Friday, Barbara
Subject: Re: DRAFT Air Construction Permit No.: 0850102-017-AC/DRAFT/PROPOSED Title V Permit
Revision No.: 0850102-018-AV

thanks

Katy R. Forney
Air Permits Section
EPA - Region 4
61 Forsyth St., SW
Atlanta, GA 30303

Phone: 404-562-9130
Fax: 404-562-9019

"Friday,
Barbara"
<Barbara.Friday@
dep.state.fl.us>

07/01/2008 12:43
PM

To
<GaryWiller@cogentrix.com>,
"Laryea, Nicholas"
<NicholasLaryea@Cogentrix.com>,
<glipka@ebiconsulting.com>,
"Hoefert, Lee"
<Lee.Hoefert@dep.state.fl.us>,
Kathleen Forney/R4/USEPA/US@EPA
cc
"Cascio, Tom"
<Tom.Cascio@dep.state.fl.us>
Subject
DRAFT Air Construction Permit
No.:
0850102-017-AC/DRAFT/PROPOSED
Title V Permit Revision No.:
0850102-018-AV

Dear Sir/Madam:

Please send a "reply" message verifying receipt of the attached document(s); this may be done by selecting "Reply" on the menu bar of your e-mail software and then selecting "Send". We must receive verification of receipt and your reply will preclude subsequent e-mail transmissions to verify receipt of the document(s).

The document(s) may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible.

The document is in Adobe Portable Document Format (pdf). Adobe Acrobat Reader can be

Friday, Barbara

From: Laryea, Nicholas [NicholasLaryea@cogentrix.com]
To: Friday, Barbara
Sent: Tuesday, July 01, 2008 12:48 PM
Subject: Read: DRAFT Air Construction Permit No.: 0850102-017-AC/DRAFT/PROPOSED Title V
Permit Revision No.: 0850102-018-AV

Your message

To: NicholasLaryea@Cogentrix.com
Subject:

was read on 7/1/2008 12:48 PM.

Friday, Barbara

From: Laryea, Nicholas [NicholasLaryea@cogentrix.com]
Sent: Tuesday, July 01, 2008 12:55 PM
To: Friday, Barbara
Subject: RE: DRAFT Air Construction Permit No.: 0850102-017-AC/DRAFT/PROPOSED Title V Permit Revision No.: 0850102-018-AV

Thanks Barbara

From: Friday, Barbara [mailto:Barbara.Friday@dep.state.fl.us]
Sent: Tuesday, July 01, 2008 12:44 PM
To: Willer, Gary; Laryea, Nicholas; glipka@ebiconsulting.com; Hoefert, Lee; Forney.Kathleen@epamail.epa.gov
Cc: Cascio, Tom
Subject: DRAFT Air Construction Permit No.: 0850102-017-AC/DRAFT/PROPOSED Title V Permit Revision No.: 0850102-018-AV

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<<http://www.adobe.com/products/acrobat/readstep.html>
<<http://www.adobe.com/products/acrobat/readstep.html>> > .

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Thank you,

DEP, Bureau of Air Regulation

The Department of Environmental Protection values your feedback as a customer. DEP Secretary Michael W. Sole is committed to continuously assessing and improving the level and quality of services provided to you. Please take a few minutes to comment on the quality of service you received. Simply click on this link to the DEP Customer Survey <<http://survey.dep.state.fl.us/?refemail=Barbara.Friday@dep.state.fl.us>> . Thank you in advance for completing the survey.

Friday, Barbara

From: Willer, Gary [GaryWiller@Cogentrix.com]
Sent: Tuesday, July 01, 2008 4:37 PM
To: Friday, Barbara
Subject: RE: DRAFT Air Construction Permit No.: 0850102-017-AC/DRAFT/PROPOSED Title V Permit Revision No.: 0850102-018-AV

Gary E. Willer
General Manager
Indiantown Cogeneration L.P.
(772) 597-6500 Ext.25
Fax (772) 597-6210
garywiller@kogentrix.com

From: Friday, Barbara [mailto:Barbara.Friday@dep.state.fl.us]
Sent: Tuesday, July 01, 2008 12:44 PM
To: Willer, Gary; Laryea, Nicholas; glipka@ebiconsulting.com; Hoefert, Lee; Forney.Kathleen@epamail.epa.gov
Cc: Cascio, Tom
Subject: DRAFT Air Construction Permit No.: 0850102-017-AC/DRAFT/PROPOSED Title V Permit Revision No.: 0850102-018-AV

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Thank you,

DEP, Bureau of Air Regulation

Friday, Barbara

From: Willer, Gary [GaryWiller@Cogentrix.com]
To: Friday, Barbara
Sent: Tuesday, July 01, 2008 4:36 PM
Subject: Read: DRAFT Air Construction Permit No.: 0850102-017-AC/DRAFT/PROPOSED Title V
Permit Revision No.: 0850102-018-AV

Your message

To: GaryWiller@kogentrix.com
Subject:

was read on 7/1/2008 4:36 PM.