



Florida Department of Environmental Protection

South District Office
Post Office Box 2549
Fort Myers, Florida 33902-2549

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

April 26, 2012

Electronic Mail - Return Receipt Requested

Mr. Jose F. Alvarez
Executive VP Operations & General Manager
Sugar Cane Growers Cooperative of Florida
1500 West Sugar House Road
Belle Glade, Florida 33430

Re: Project No. 0990026-019-AC and 0990026-017-AC/PSD-FL-077B/PSD-FL-213A
Sugar Cane Growers Cooperative of Florida, Glades Sugar House
Air Construction Permits/PSD Permits Revisions
Increase steam production and heat input, Reduce PM and CO emissions, Add natural gas

Dear Mr. Alvarez:

On November 9, 2011, you submitted an application requesting to increase maximum hourly steam production rates and heat input rates as well as to reduce particulate matter (PM) and carbon monoxide (CO) emissions limits for Boiler No. 8. On March 13, 2012, you submitted an application requesting to add natural gas as an authorized fuel for Boiler Nos. 1, 2, 3, 4, 5 and 8. This facility is located in Palm Beach County at 1500 West Sugar House Road, Belle Glade, Florida 33430, Florida. The UTM coordinates are Zone 17, 534.9 km East, and 2953.3 km North. Enclosed are the following documents: the Technical Evaluation and Preliminary Determination; the Draft Permit and Appendices; the Written Notice of Intent to Issue Air Permit; and the Public Notice of Intent to Issue Air Permit. The Public Notice of Intent to Issue Air Permit is the actual notice that you must have published in the legal advertisement section of a newspaper of general circulation in the area affected by this project. If you have any questions, please contact the project engineer, Susan Machinski, at 239-344-5663.

Sincerely,

Jon M. Iglehart
Director of
District Management

Enclosures

JMI/SRM/srm

*In the Matter of an
Application for Air Permit by:*

Sugar Cane Growers Cooperative of Florida
1500 West Sugar House Road
Belle Glade, Florida 33430

Authorized Representative:
Mr. Jose F. Alvarez
Executive VP Operations & General Manager

Project Nos. 0990026-019-AC
and 0990026-017-AC/PSD-FL-077B/PSD-FL-213A
Air Construction Permits/PSD Permits Revisions
Palm Beach County
Glades Sugar House
Increase steam production and heat input rates, Reduce
PM and CO emissions, Add natural gas

Facility Location: Sugar Cane Growers Cooperative of Florida operates the existing Glades Sugar House, which is located in Palm Beach County at 1500 West Sugar House Road, Belle Glade, Florida 33430.

Project: Project 0990026-019-AC proposes to add natural gas as an authorized fuel for Boiler Nos. 1, 2, 3, 4, 5 and 8. Project 0990026-017-AC/PSD-FL-077B/PSD-FL-213A proposes to increase Boiler No. 8's permitted steam production rates and heat input rates as well as to reduce Boiler No. 8's permitted particulate matter (PM) and carbon monoxide (CO) emissions limits. Project 0990026-017-AC/PSD-FL-077B/PSD-FL-213A revises the permitted steam production capacity limits and pollutant emissions limits in prevention significant deterioration permit Nos. PSD-FL-077 and PSD-FL-213. There are no significant emissions rate increases from either of these projects. These projects are not a modification subjecting the emissions units to New Source Performance Standards (NSPS) of 40 CFR 60, Subpart Db (Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units). Details of the project are provided in the application and the enclosed 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. The Permitting Authority responsible for making a permit determination for this project is the Department of Environmental Protection's Air Resource Section in the South District Office. The Permitting Authority's physical address is: 2295 Victoria Avenue, Suite 364, Fort Myers, Florida 33902. The Permitting Authority's mailing address is: P.O. Box 2549, Fort Myers, Florida 33902-2549. The Permitting Authority's telephone number is 239-344-5600.

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 Permit, the Technical Evaluation and Preliminary Determination, the application, and the information submitted by the applicant, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Permitting Authority's project review engineer for additional information at the address or phone number listed above.

Notice of Intent to Issue Permit: The Permitting Authority gives notice of its intent to issue an air 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.

Public Notice: Pursuant to Section 403.815, F.S. and Rules 62-110.106 and 62-210.350, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Public Notice of Intent to Issue Air Permit (Public Notice). The Public Notice shall be published one time only as soon as possible in the legal advertisement section of a newspaper of general circulation in the area affected by this project. The newspaper used must meet the requirements of Sections 50.011 and 50.031, F.S. in the county where the activity is to take place. If you are uncertain that a newspaper meets these requirements, please contact the Permitting Authority at 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 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 the 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.

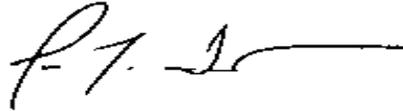
Petitions: A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative hearing in accordance with Sections 120.569 and 120.57, F.S. The petition must contain the information set forth below and must be filed with (received by) the Department's 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 (Telephone: 850/245-2241). 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.

Executed in Fort Myers, Florida.



Jon M. Iglehart
Director of
District Management

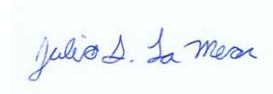
CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Written Notice of Intent to Issue Air Permit package (including the Written Notice of Intent to Issue Air Permit, the Public Notice of Intent to Issue Air Permit, the Technical Evaluation and Preliminary Determination and the Draft Permit) was sent by electronic mail (or a link to these documents made available electronically on a publicly accessible server) with received receipt requested before the close of business on 4/26/12 to the persons listed below.

- Mr. Jose F. Alvarez, Sugar Cane Growers Co-op: jfalvarez@scgc.org
- Ms. Kathy Lockhart, Sugar Cane Growers Co-op: kdlockhart@scgc.org
- Mr. David A. Buff, P.E., Golder Associates Inc.: dbuff@golder.com
- Mr. James Stormer, Palm Beach County Health Department: james_stormer@doh.state.fl.us
- Mr. David Read, FDEP, Tallahassee: david.read@dep.state.fl.us
- Ms. Katy Forney, U.S. EPA Region 4: forney.kathleen@epamail.epa.gov
- Ms. Ana Oquendo, EPA Region 4: oquendo.ana@epamail.epa.gov
- Ms. Lynn Scarce, FDEP, Tallahassee: lynn.scarce@dep.state.fl.us

Clerk Stamp

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



4/26/12

(Clerk)

(Date)

PUBLIC NOTICE OF INTENT TO ISSUE AIR PERMIT

Florida Department of Environmental Protection
Air Resource Section, South District Office
Draft Air Construction Permits/PSD Permits Revisions
Project Nos. 0990026-019-AC and 0990026-017-AC/PSD-FL-077B/PSD-FL-213A
Sugar Cane Growers Cooperative of Florida, Glades Sugar House
Palm Beach County, Florida

Applicant: The applicant for this project is Sugar Cane Growers Cooperative of Florida. The applicant's authorized representative and mailing address is: Mr. Jose F. Alvarez, Executive VP Operations & General Manager, Sugar Cane Growers Cooperative of Florida, Glades Sugar House, 1500 West Sugar House Road, Belle Glade, Florida 33430.

Facility Location: Sugar Cane Growers Cooperative of Florida operates the existing Glades Sugar House, which is located in Palm Beach County at 1500 West Sugar House Road, Belle Glade, Florida 33430.

Project: Project 0990026-019-AC proposes to add natural gas as an authorized fuel for Boiler Nos. 1, 2, 3, 4, 5 and 8. Project 0990026-017-AC/PSD-FL-077B/PSD-FL-213A proposes to increase Boiler No. 8's permitted steam production rates and heat input rates as well as to reduce Boiler No. 8's permitted particulate matter (PM) and carbon monoxide (CO) emissions limits. Project 0990026-017-AC/PSD-FL-077B/PSD-FL-213A revises the permitted steam production capacity limits and pollutant emissions limits in prevention significant deterioration permit Nos. PSD-FL-077 and PSD-FL-213. There are no significant emissions rate increases from either of these projects. These projects are not a modification subjecting the emissions units to New Source Performance Standards (NSPS) of 40 CFR 60, Subpart Db (Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units).

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 Permitting Authority responsible for making a permit determination for this project is the Department of Environmental Protection's Air Resource Section in the South District Office. The Permitting Authority's physical address is: 2295 Victoria Avenue, Suite 364, Fort Myers, Florida 33902. The Permitting Authority's mailing address is: P.O. Box 2549, Fort Myers, Florida 33902-2549. The Permitting Authority's telephone number is 239-344-5600.

Project File: A complete project file is available for public inspection during the normal business hours of 8:00 a.m. to 5:00 p.m., Monday through Friday (except legal holidays), at the physical address indicated above for the Permitting Authority. The complete project file includes the Draft Permit, the Technical Evaluation and Preliminary Determination, the application and information submitted by the applicant (exclusive of confidential records under Section 403.111, F.S.). Interested persons may contact the Permitting Authority's project engineer for additional information at the address and phone number listed above. In addition, electronic copies of these documents are available on the following web site: <http://www.dep.state.fl.us/air/emission/apds/default.asp>.

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.

Comments: The Permitting Authority will accept written comments concerning the proposed Draft Permit for a period of 14 days from the date of publication of this 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 the 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.

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 (Telephone: 850/245-2241). 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 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.



Florida Department of Environmental Protection

South District Office
Post Office Box 2549
Fort Myers, Florida 33902-2549

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

DRAFT AIR CONSTRUCTION PERMIT and PSD PERMIT REVISIONS

PERMITTEE

Sugar Cane Growers Cooperative of Florida
1500 West Sugar House Road
Belle Glade, Florida 33430

Authorized Representative:

Mr. Jose F. Alvarez
Executive VP Operations & General Manager

Air Permit Nos. 0990026-019-AC
and 0990026-017-AC/PSD-FL-077B/PSD-FL-213A

Permit Expires: **DRAFT**

Air Construction Permits/PSD Permits Revisions
Glades Sugar House

Increase steam production and heat input rates, Reduce
PM and CO emissions limits, Add Natural Gas

PROJECT

This is the final air construction permit, which revises Permit Nos. AC50-42476 (PSD-FL-077) and AC50-250421 (PSD-FL-213) for the following items: increase Boiler No. 8's [emission unit (EU) 008] steam production rates and heat input rates as well as reduce Boiler No. 8's particulate matter (PM) and carbon monoxide (CO) emissions limits. This permit also authorizes the use of natural gas as a fuel for Boiler Nos. 1, 2, 3, 4, 5, and 8. Sugar Cane Growers Cooperative of Florida is a sugar mill (Standard Industrial Classification No. 2061). The facility is located in Palm Beach County at 1500 West Sugar House Road, Belle Glade, Florida 33430, Florida. The UTM coordinates are Zone 17, 534.9 km East, and 2953.3 km North.

This final permit is organized into the following sections: Section 1 (General Information), Section 2 (Administrative Requirements), Section 3. (0990026-019-AC), Section 4. (0990026-017-AC/PSD-FL-077B/PSD-FL-213A) and Section 5. (Appendixes). As noted in the Final Determination provided with this final permit, only minor changes and clarifications were made to the draft permit.

STATEMENT OF BASIS

This air pollution construction permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is subject to the preconstruction review requirements for major stationary sources in Rule 62-212.400, F.A.C. for the Prevention of Significant Deterioration (PSD) of Air Quality. A copy of this permit modification/revision shall be filed with the referenced permit and shall become part of the permit.

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

Executed in Fort Myers, Florida

(DRAFT)

Jon M. Iglehart
Director of District Management

Date

JMI/SRM/jw

DRAFT PERMIT REVISION

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination and Final Permit Revision) was sent by electronic mail, or a link to these documents made available electronically on a publicly accessible server, with received receipt requested before the close of business on _____(DRAFT)_____ to the persons listed below.

- Mr. Jose F. Alvarez, Sugar Cane Growers Co-op*: jfalvarez@scgc.org
- Ms. Kathy Lockhart, Sugar Cane Growers Co-op: kdlockhart@scgc.org
- Mr. David A. Buff, P.E., Golder Associates Inc.: dbuff@golder.com
- Mr. James Stormer, Palm Beach County Health Department: james_stormer@doh.state.fl.us
- Mr. David Read, FDEP, Tallahassee: david.read@dep.state.fl.us
- Ms. Katy Forney, U.S. EPA Region 4: forney.kathleen@epamail.epa.gov
- Ms. Ana Oquendo, EPA Region 4: oquendo.ana@epamail.epa.gov
- Ms. Barbara Friday, DEP BAR: barbara.friday@dep.state.fl.us (for posting with U.S. EPA, Region 4)

Clerk Stamp

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

(DRAFT)

(Clerk)

(Date)

SECTION 1. GENERAL INFORMATION (DRAFT)

FACILITY DESCRIPTION

The existing facility is a sugar mill (Standard Industrial Classification No. 2061), which consists of the following emissions units and activities:

EU No.	Brief Description
<i>Regulated Emissions Units</i>	
001	Boiler No. 1
002	Boiler No. 2
003	Boiler No. 3
004	Boiler No. 4
005	Boiler No. 5
008	Boiler No. 8
007	Spray Booth

FACILITY REGULATORY CLASSIFICATION

- The facility is a major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.

PROPOSED PROJECT

The proposed project increases steam production rates and heat input rates as well as reduces particulate matter (PM) and carbon monoxide (CO) emissions limits for Boiler No. 8 [emission unit (EU) 008]. This project also authorizes the use of natural gas as a fuel for Boiler Nos. 1, 2, 3, 4, 5, and 8 (EU001, EU002, EU003, EU004, EU005 and EU008).

SECTION 2. ADMINISTRATIVE REQUIREMENTS (DRAFT)

1. Permitting Authority: The permitting authority for this project is the South District Office, Division of Air Resource Management, Florida Department of Environmental Protection (Department). The Bureau of Air Regulation's mailing address is P.O. Box 2549, Fort Myers, Florida 33902-2549. All documents related to applications for permits to operate an emissions unit shall be submitted to the South District Office.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the South District Office and to the Palm Beach County Health Department. The mailing address and phone number for the South District Office is: P.O. Box 2549, Fort Myers, Florida 33902-2549, (239) 344-5600. The mailing address and phone number for the Palm Beach County Health Department is: 800 Clematis Street, Post Office Box 29, West Palm Beach, Florida 33402-0029, (561) 837-5900.
3. Appendices: The following Appendices are attached as part of this permit:
 - a. Appendix A. Citation Formats and Glossary of Common Terms;
 - b. Appendix B. General Conditions;
 - c. Appendix C. Common Conditions; and
 - d. Appendix D. Common Testing 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: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]
7. Source Obligation: At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification. [Rule 62-212.400(12), F.A.C.]
8. Application for Title V Permit: This permit authorizes construction of the permitted emissions units and initial operation to determine compliance with Department rules. A Title V air operation permit is required for regular operation of the permitted emissions unit. The permittee shall apply for a Title V air operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation. To apply for a Title V operation permit, the applicant shall submit the appropriate application form, compliance test results, and such additional information as the Department may by law require. The application shall be submitted to the appropriate Permitting Authority with copies to the Compliance Authority. [Rules 62-4.030, 62-4.050, 62-4.220 and Chapter 62-213, F.A.C.]
9. Actual Emissions Reporting: This permit is based on an analysis that compared baseline actual emissions with projected actual emissions and avoided the requirements of subsection 62-212.400(4) through (12), F.A.C. for

SECTION 2. ADMINISTRATIVE REQUIREMENTS (DRAFT)

several pollutants. Therefore, pursuant to Rule 62-212.300(1)(e), F.A.C., the permittee is subject to the following monitoring, reporting and recordkeeping provisions.

- a. The permittee shall monitor the emissions of any PSD pollutant that the Department identifies could increase as a result of the construction or modification and that is emitted by any emissions unit that could be affected; and, using the most reliable information available, calculate and maintain a record of the annual emissions, in tons per year on a calendar year basis, for a period of 5 years [10 years for Boiler No. 8 (EU008)] following resumption of regular operations after the change. Emissions shall be computed in accordance with the provisions in Rule 62-210.370, F.A.C., which are provided in Appendix C of this permit.
- b. The permittee shall report to the Department within 60 days after the end of each calendar year during the 5-year period [10 year period for Boiler No. 8 (EU008)] setting out the unit's annual emissions during the calendar year that preceded submission of the report. The report shall contain the following:
 - 1) The name, address and telephone number of the owner or operator of the major stationary source;
 - 2) The annual emissions as calculated pursuant to the provisions of 62-210.370, F.A.C., which are provided in Appendix C of this permit;
 - 3) If the emissions differ from the preconstruction projection, an explanation as to why there is a difference; and
 - 4) Any other information that the owner or operator wishes to include in the report.
- c. The information required to be documented and maintained pursuant to subparagraphs 62-212.300(1)(e)1 and 2, F.A.C., shall be submitted to the Department, which shall make it available for review to the general public.

For this project, the Department requires the annual reporting of actual PM/PM₁₀, NO_x, SO₂, CO, VOC and sulfuric acid mist (SAM) emissions for the following units: Boiler Nos. 1, 2, 3, 4, 5, and 8 (EU001, EU002, EU003, EU004, EU005 and EU008). The Technical Evaluation and Preliminary Determination provides the baseline actual emissions for projects 0990026-017-AC/PSD-FL-077B/PSD-FL-213A and 0990026-019-AC. The Department shall use these baseline emissions for the comparison to the actual emission monitored, recorded and reported over the next ten years pursuant to this condition.

[Permit Nos. 0990026-019-AC and 0990026-017-AC/PSD-FL-077B/PSD-FL-213A; and Rules 62-212.300(1)(e) and 62-210.370, F.A.C.]

SECTION 3. Permit No. 0990026-019-AC (DRAFT)

Emission Units: Boiler Nos. 1, 2, 3, 4, 5 and 8

This section of the permit addresses the following emissions units.

ID No.	Emission Unit Description
001	Boiler No. 1
002	Boiler No. 2
003	Boiler No. 3
004	Boiler No. 4
005	Boiler No. 5
008	Boiler No. 8

PERFORMANCE RESTRICTIONS

1. Methods of Operation.

- a. *Fuels.* The fuels that are allowed to be burned in these units are:
 - 1. Carbonaceous fuel (bagasse and residue),
 - 2. No. 6 residual oil,
 - 3. Small quantities of on-spec used oil, (See Specific Conditions **A.6.** and **A.28.** of Permit No. 0990026-016-AV),
 - 4. Small quantities of non-hazardous waste contaminated soil that is generated on-site (See Specific Conditions **A.6.** and **A.28.** of Permit No. 0990026-016-AV), and
 - 5. Natural Gas.

[Rule 62-210.200(PTE), F.A.C., Permit No. 0990026-019-AC]

Excess Emissions

- 2. **Excess Emissions Allowed.** Excess emissions resulting from malfunction shall be permitted provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions shall be minimized but in no case exceed two (2) hours in any 24 hour period unless specifically authorized by the Department for longer duration. [Rule 62-210.700(1), F.A.C. and Permit No. 0990026-019-AC]
- 3. **Excess Emissions Prohibited.** 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. and Permit No. 0990026-019-AC]
- 4. **Reporting of Excess Emissions.** In 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. and Permit No. 0990026-019-AC]

TESTING REQUIREMENTS

- 5. **Annual Compliance Tests:** During each federal fiscal year (October 1st to September 30th), the emissions units (EU001, EU002, EU002, EU003, EU004, EU005 and EU008) shall be tested to demonstrate compliance with the emissions standards for **VE, PM, NO_x, and VOC.** Boiler No. 8 (EU008) shall also be tested to demonstrate compliance with the emissions standards for **CO.** The permitted hourly steam production rates and heat input rates shall not be exceeded during annual testing. Operating rate during testing shall comply with Rule 62-297.310(2), F.A.C. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. [Rules 62-297.310(2) and 62-297.310(7), F.A.C and Permit No. 0990026-019-AC]

SECTION 3. Permit No. 0990026-019-AC (DRAFT)

Emission Units: Boiler Nos. 1, 2, 3, 4, 5 and 8

RECORDS AND REPORTS

6. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(8), F.A.C.; Permit No. 0990026-019-AC]

SECTION 4. 990026-017-AC/PSD-FL-077B/PSD-FL-213A

Emissions Unit: Boiler No. 8

The following permit conditions are revised as indicated. ~~Strikethrough~~ is used to denote the deletion of text. Double-underlines are used to denote the addition of text. All changes are emphasized with yellow highlight.

1. Specific condition 3 in Permit No. AC 50-250421 (PSD-FL-213) is revised as follows:

3. The allowable operation parameters for Boiler No. 8 are summarized in the following table:

Steam Pressure (psig)	Steam Temperature (°F)	Fuel Burned	Steam Production (lb/hr)	Heat Input (MMBtu/hr)	Amount of Fuel Consumed (lb/hr)
400	585	Bagasse	264,000 <u>290,000</u>	504.0 <u>553.6(a)</u>	63,000 <u>69,200 (a)</u>
		Residue	264,000 <u>290,000</u>	443.5 <u>487.2(b)</u>	49,831 <u>54,742 (b)</u>
600	740	Bagasse	242,100 <u>265,943</u>	504.0 <u>553.6(a)</u>	63,000 <u>69,200 (a)</u>
		Residue	242,100 <u>265,943</u>	443.5 <u>487.2(b)</u>	49,831 <u>54,742 (b)</u>
400	740	Bagasse	240,000 <u>263,636</u>	504.0 <u>553.6(a)</u>	63,000 <u>69,200 (a)</u>
		Residue	240,000 <u>263,636</u>	443.5 <u>487.2(b)</u>	49,831 <u>54,742 (b)</u>

(a) Based upon 55% thermal efficiency and 8,000 Btu/lb (dry) while burning bagasse.

(b) Based upon 62.5% thermal efficiency and 8,900 Btu/lb while burning bagasse residue.

[Permit No. 0990026-017-AC/PSD-FL-077B/PSD-FL-213A, BACT]

2. Specific condition 4 in Permit No. AC 50-250421 (PSD-FL-213) is revised as follows:

4. The allowable carbon monoxide emission limits listed in Specific Condition No. 2 of permit No. AC 50-42476 are changed from 140 lbs/hr and 511 tons per year (TPY) to 5.5 5.01 lbs/MMBtu heat input (Assuming boiler has a thermal efficiency of 55% when burning bagasse), 2,772 lbs/hr (average of 3 runs of a minimum of 1 hour per run by EPA method 10 as described in 40 CFR 60, Appendix A), and 10,112 TPY based on a maximum of 7,296 hours per year operation. Crop season operation may last a maximum of 184 days while off-season operation may last a maximum of 120 days. [Permit No. 0990026-017-AC/PSD-FL-077B/PSD-FL-213A, BACT]

3. Specific condition 2 in Permit No. AC 50-42476 (PSD-FL-077) is revised as follows:

2. The boiler's [Boiler No. 8 (EU008)] maximum emission rates shall not exceed the emissions limits listed below.

Pollutant	Maximum Allowable Emissions			
	Lb/MMBtu	Lb/hr	Ton/day	Ton/year
PM	<u>0.137 for carbonaceous fuel</u>	75.6 (95.0)*	-----	276 (326)*
	<u>0.10 for fossil fuel</u>			
SO ₂	-----	-----	14.0 ⁺	-----
CO	<u>5.01</u>	2,772	-----	10,112
VOC	-----	140	-----	511
NO _x	-----	123	-----	449

Visible emissions: 30% opacity except for 40% no more than two minutes per hour.

SECTION 4. 990026-017-AC/PSD-FL-077B/PSD-FL-213A

Emissions Unit: Boiler No. 8

*The air quality impact analysis was conducted on the basis of the emissions contained in parentheses. The numbers not contained in parentheses are based upon the BACT determination of 0.15 lb/10⁶ Btu input limit. In project 0990026-017-AC/PSD-FL-077B, in order to maintain the 75.6 lb/hr PM limit (determined by BACT) at the increased heat input rate of 553.6 MMBtu/hr, a lower lb/MMBtu PM emission limit of 0.137 lb/MMBtu is required. Any revision of the BACT emission limit cannot exceed the 0.20 lb/10⁶ Btu input Florida new source limit, nor will the allowable lb/hr and ton/yr emissions be allowed to exceed the numbers contained in parentheses.

+ SO₂ emissions for all boilers from Unit 1 through 8.

[Permit No. 0990026-017-AC/PSD-FL-077B/PSD-FL-213A, BACT]

4. **Specific condition 8 in Permit No. AC 50-250421 (PSD-FL-213) is revised as follows:**

8. Instruments shall be installed to continuously measure the amount of fuel oil used individually by the proposed boiler 8 and boilers 6 and 7, the total amount of fuel oil used by boilers 1 through 5, and the total amount of residue and natural gas used in all boilers. Bagasse consumption shall be calculated from steam consumption. The records of fuel oil, natural gas, residue, and bagasse usage will be kept by the company, available for regulatory agency inspection for two five years. [Permit No. 0990026-017-AC/PSD-FL-077B/PSD-FL-213A, BACT]

5. Initial Compliance Tests: Boiler No. 8 (EU008) shall be tested to demonstrate initial compliance with the emissions standards for VE, PM, NO_x, CO and VOC in Specific Condition No. 3 of this permit. The initial tests shall be conducted within 60 days after achieving permitted capacity, or within 60 days of the first day of 2012 – 2013 crop season, or at the next scheduled annual compliance testing, whichever occurs first. The permitted hourly steam production capacity and heat input shall not be exceeded during initial testing. Operating rate during testing shall comply with Rule 62-297.310(2), F.A.C. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. [Rules 62-297.310(2) and 62-297.310(7)(a)1, F.A.C.; Permit No. 0990026-017-AC/PSD-FL-077B/PSD-FL-213A]

6. Boiler Efficiency Testing. The owner or operator shall conduct an initial boiler efficiency test on Boiler No. 8 during the 2012 – 2013 crop season. A boiler efficiency test for Boiler No. 8 shall be subsequently performed once every five years. If an application for an air construction permit is submitted in the fourth or fifth year after conducting a boiler efficiency test and that application requests to increase Boiler No. 8's permitted steam production or heat input rates, the owner or operator shall conduct another boiler efficiency test and submit the test results as part of the application. The boiler thermal efficiency shall be determined with the ASME boiler efficiency short form method or other equivalent method. The results of the emissions and thermal efficiency tests shall be provided with the application to renew the operation permit or with an air construction permit application that requests an increase in steam production rates or heat input rates for Boiler No. 8. The boiler efficiency test results are for information only. [Permit No. 0990026-017-AC/PSD-FL-077B/PSD-FL-213A]

7. Operation and Maintenance Plan. Boiler 8's Operation and Maintenance Plan (OMP) for carbon monoxide control shall be updated prior to the 2012-2013 crop season to incorporate the permitted steam production rate and heat input rates. The OMP for CO control shall also be updated to incorporate current permitted conditions for flue gas oxygen content levels and oxygen analyzer. A copy of the updated OMP shall be submitted to the Palm Beach County Health Department within 30 days of the start of the 2012 – 2013 crop season. [Permit No. 0990026-017-AC/PSD-FL-077B/PSD-FL-213A]

SECTION 5. APPENDIXES (DRAFT)

Appendix A. Citation Formats and Glossary of Common Terms

Appendix B. General Conditions

Appendix C. Common Conditions

Appendix D. Common Testing Requirements

SECTION 5. APPENDIX A (DRAFT)
Citation Formats and Glossary of Common Terms

A) CITATION FORMATS

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

Old Permit Numbers

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

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

New Permit Numbers

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

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

PSD Permit Numbers

Example: Permit No. PSD-FL-317

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

Florida Administrative Code (F.A.C.)

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

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

Code of Federal Regulations (CFR)

Example: [40 CFR 60.7]

Means: Title 40, Part 60, Section 7

GLOSSARY OF COMMON TERMS

° F: degrees Fahrenheit

acf: actual cubic feet

AAQS: Ambient Air Quality Standard

acfm: actual cubic feet per minute

SECTION 5. APPENDIX A (DRAFT)

Citation Formats and Glossary of Common Terms

ARMS: Air Resource Management System (DEP database)	HAP: hazardous air pollutant
BACT: best available control technology	Hg: mercury
bhp: brake horsepower	I.D.: induced draft
Btu: British thermal units	ID: identification
CAM: compliance assurance monitoring	kPa: kilopascals
CEMS: continuous emissions monitoring system	lb: pound
cfm: cubic feet per minute	MACT: maximum achievable technology
CFR: Code of Federal Regulations	MMBtu: million British thermal units
CAA: Clean Air Act	MSDS: material safety data sheets
CMS: continuous monitoring system	MW: megawatt
CO: carbon monoxide	NESHAP: National Emissions Standards for Hazardous Air Pollutants
CO₂: carbon dioxide	NO_x: nitrogen oxides
COMS: continuous opacity monitoring system	NSPS: New Source Performance Standards
DARM: Division of Air Resource Management	O&M: operation and maintenance
DEP: Department of Environmental Protection	O₂: oxygen
Department: Department of Environmental Protection	Pb: lead
dscf: dry standard cubic feet	PM: particulate matter
dscfm: dry standard cubic feet per minute	PM₁₀: particulate matter with a mean aerodynamic diameter of 10 microns or less
EPA: Environmental Protection Agency	ppm: parts per million
ESP: electrostatic precipitator (control system for reducing particulate matter)	ppmv: parts per million by volume
EU: emissions unit	ppmvd: parts per million by volume, dry basis
F.A.C.: Florida Administrative Code	QA: quality assurance
F.A.W.: Florida Administrative Weekly	QC: quality control
F.D.: forced draft	PSD: prevention of significant deterioration
F.S.: Florida Statutes	psi: pounds per square inch
FGD: flue gas desulfurization	PTE: potential to emit
FGR: flue gas recirculation	RACT: reasonably available control technology
Fl: fluoride	RATA: relative accuracy test audit
ft²: square feet	RBLC: EPA's RACT/BACT/LAER Clearinghouse
ft³: cubic feet	SAM: sulfuric acid mist
gpm: gallons per minute	scf: standard cubic feet
gr: grains	scfm: standard cubic feet per minute
	SIC: standard industrial classification code

SECTION 5. APPENDIX A (DRAFT)

Citation Formats and Glossary of Common Terms

SIP: State Implementation Plan

SNCR: selective non-catalytic reduction (control system used for reducing emissions of nitrogen oxides)

SO₂: sulfur dioxide

TPD: tons/day

TPH: tons per hour

TPY: tons per year

TRS: total reduced sulfur

UTM: Universal Transverse Mercator coordinate system

VE: visible emissions

VOC: volatile organic compounds

SECTION 5. APPENDIX B (DRAFT)

General Conditions

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

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are “permit conditions” and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
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 403.987(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgment of title, and 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 and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
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 reasonable times, access to the premises where the permitted activity is located or conducted to:
 - a. Have access to and copy any records that must be kept under 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 noncompliance; and
 - b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence

SECTION 5. APPENDIX B (DRAFT)

General Conditions

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

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 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.
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. A reasonable time for compliance with a new or amended surface water quality standard, other than those standards addressed in Rule 62-302.500, F.A.C., shall include a reasonable time to obtain or be denied a mixing zone for the new or amended standard.
11. This permit is transferable only upon Department approval in accordance with 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);
 - b. Determination of Prevention of Significant Deterioration (applicable); and
 - c. Compliance with New Source Performance Standards (not applicable).
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 for 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:
 - (a) The date, exact place, and time of sampling or measurements;
 - (b) The person responsible for performing the sampling or measurements;
 - (c) The dates analyses were performed;
 - (d) The person responsible for performing the analyses;
 - (e) The analytical techniques or methods used;
 - (f) The results of such analyses.

SECTION 5. APPENDIX B (DRAFT)

General Conditions

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 the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

SECTION 5. APPENDIX C (DRAFT)

Common Conditions

Unless otherwise specified in the 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 2 hours in any 24-hour period unless specifically authorized by the Department for longer duration. Pursuant to Rule 62-210.700(5), F.A.C., the permit subsection may specify more or less stringent requirements for periods of excess emissions. Rule 62-210-700(Excess Emissions), F.A.C., cannot vary or supersede any federal NSPS or NESHAP provision. [Rule 62-210.700(1), F.A.C.]
4. Excess Emissions Prohibited: Excess emissions caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure that may reasonably be prevented during startup, shutdown or malfunction shall be prohibited. [Rule 62-210.700(4), F.A.C.]
5. Excess Emissions - Notification: In case of excess emissions resulting from malfunctions, the permittee shall notify the Compliance Authority in accordance with Rule 62-4.130, F.A.C. A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the Department. [Rule 62-210.700(6), F.A.C.]
6. VOC or OS Emissions: No person shall store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds (VOC) or organic solvents (OS) without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the Department. [Rule 62-296.320(1), F.A.C.]
7. Objectionable Odor Prohibited: No person shall cause, suffer, allow or permit the discharge of air pollutants, which cause or contribute to an objectionable odor. An "objectionable odor" means any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance. [Rules 62-296.320(2) and 62-210.200(Definitions), F.A.C.]
8. General Visible Emissions: No person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity equal to or greater than 20% opacity. This regulation does not impose a specific testing requirement. [Rule 62-296.320(4)(b)1, F.A.C.]
9. Unconfined Particulate Emissions: 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.]

RECORDS AND REPORTS

10. Records Retention: All measurements, records, and other data required by this permit shall be documented in

SECTION 5. APPENDIX C (DRAFT)

Common Conditions

a permanent, legible format and retained for at least 5 years following the date on which such measurements, records, or data are recorded. Records shall be made available to the Department upon request. [Rule 62-213.440(1)(b)2, F.A.C.]

11. Emissions Computation and Reporting:

a. *Applicability.* This rule sets forth required methodologies to be used by the owner or operator of a facility for computing actual emissions, baseline actual emissions, and net emissions increase, as defined at Rule 62-210.200, F.A.C., and for computing emissions for purposes of the reporting requirements of subsection 62-210.370(3) and paragraph 62-212.300(1)(e), F.A.C., or of any permit condition that requires emissions be computed in accordance with this rule. This rule is not intended to establish methodologies for determining compliance with the emission limitations of any air permit. [Rule 62-210.370(1), F.A.C.]

b. *Computation of Emissions.* For any of the purposes set forth in subsection 62-210.370(1), F.A.C., the owner or operator of a facility shall compute emissions in accordance with the requirements set forth in this subsection.

(1) Basic Approach. The owner or operator shall employ, on a pollutant-specific basis, the most accurate of the approaches set forth below to compute the emissions of a pollutant from an emissions unit; provided, however, that nothing in this rule shall be construed to require installation and operation of any continuous emissions monitoring system (CEMS), continuous parameter monitoring system (CPMS), or predictive emissions monitoring system (PEMS) not otherwise required by rule or permit, nor shall anything in this rule be construed to require performance of any stack testing not otherwise required by rule or permit.

(a) If the emissions unit is equipped with a CEMS meeting the requirements of paragraph 62-210.370(2)(b), F.A.C., the owner or operator shall use such CEMS to compute the emissions of the pollutant, unless the owner or operator demonstrates to the department that an alternative approach is more accurate because the CEMS represents still-emerging technology.

(b) If a CEMS is not available or does not meet the requirements of paragraph 62-210.370(2)(b), F.A.C., but emissions of the pollutant can be computed pursuant to the mass balance methodology of paragraph 62-210.370(2)(c), F.A.C., the owner or operator shall use such methodology, unless the owner or operator demonstrates to the department that an alternative approach is more accurate.

(c) If a CEMS is not available or does not meet the requirements of paragraph 62-210.370(2)(b), F.A.C., and emissions cannot be computed pursuant to the mass balance methodology, the owner or operator shall use an emission factor meeting the requirements of paragraph 62-210.370(2)(d), F.A.C., unless the owner or operator demonstrates to the department that an alternative approach is more accurate.

(2) Continuous Emissions Monitoring System (CEMS).

(a) An owner or operator may use a CEMS to compute emissions of a pollutant for purposes of this rule provided:

1) The CEMS complies with the applicable certification and quality assurance requirements of 40 CFR Part 60, Appendices B and F, or, for an acid rain unit, the certification and quality assurance requirements of 40 CFR Part 75, all adopted by reference at Rule 62-204.800, F.A.C.; or

2) The owner or operator demonstrates that the CEMS otherwise represents the most accurate means of computing emissions for purposes of this rule.

SECTION 5. APPENDIX C (DRAFT)

Common Conditions

- (b) Stack gas volumetric flow rates used with the CEMS to compute emissions shall be obtained by the most accurate of the following methods as demonstrated by the owner or operator:
 - 1) A calibrated flow meter that records data on a continuous basis, if available; or
 - 2) The average flow rate of all valid stack tests conducted during a five-year period encompassing the period over which the emissions are being computed, provided all stack tests used shall represent the same operational and physical configuration of the unit.
 - (c) The owner or operator may use CEMS data in combination with an appropriate f-factor, heat input data, and any other necessary parameters to compute emissions if such method is demonstrated by the owner or operator to be more accurate than using a stack gas volumetric flow rate as set forth at subparagraph 62-210.370(2)(b)2., F.A.C., above.
- (3) Mass Balance Calculations.
- (a) An owner or operator may use mass balance calculations to compute emissions of a pollutant for purposes of this rule provided the owner or operator:
 - 1) Demonstrates a means of validating the content of the pollutant that is contained in or created by all materials or fuels used in or at the emissions unit; and
 - 2) Assumes that the emissions unit emits all of the pollutant that is contained in or created by any material or fuel used in or at the emissions unit if it cannot otherwise be accounted for in the process or in the capture and destruction of the pollutant by the unit's air pollution control equipment.
 - (b) Where the vendor of a raw material or fuel which is used in or at the emissions unit publishes a range of pollutant content from such material or fuel, the owner or operator shall use the highest value of the range to compute the emissions, unless the owner or operator demonstrates using site-specific data that another content within the range is more accurate.
 - (c) In the case of an emissions unit using coatings or solvents, the owner or operator shall document, through purchase receipts, records and sales receipts, the beginning and ending VOC inventories, the amount of VOC purchased during the computational period, and the amount of VOC disposed of in the liquid phase during such period.
- (4) Emission Factors.
- a. An owner or operator may use an emission factor to compute emissions of a pollutant for purposes of this rule provided the emission factor is based on site-specific data such as stack test data, where available, unless the owner or operator demonstrates to the department that an alternative emission factor is more accurate. An owner or operator using site-specific data to derive an emission factor, or set of factors, shall meet the following requirements.
 - 1) If stack test data are used, the emission factor shall be based on the average emissions per unit of input, output, or gas volume, whichever is appropriate, of all valid stack tests conducted during at least a five-year period encompassing the period over which the emissions are being computed, provided all stack tests used shall represent the same operational and physical configuration of the unit.
 - 2) Multiple emission factors shall be used as necessary to account for variations in emission rate associated with variations in the emissions unit's operating rate or operating conditions during the period over which emissions are computed.

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- 3) The owner or operator shall compute emissions by multiplying the appropriate emission factor by the appropriate input, output or gas volume value for the period over which the emissions are computed. The owner or operator shall not compute emissions by converting an emission factor to pounds per hour and then multiplying by hours of operation, unless the owner or operator demonstrates that such computation is the most accurate method available.
 - b. If site-specific data are not available to derive an emission factor, the owner or operator may use a published emission factor directly applicable to the process for which emissions are computed. If no directly-applicable emission factor is available, the owner or operator may use a factor based on a similar, but different, process.
- (5) Accounting for Emissions During Periods of Missing Data from CEMS, PEMS, or CPMS. In computing the emissions of a pollutant, the owner or operator shall account for the emissions during periods of missing data from CEMS, PEMS, or CPMS using other site-specific data to generate a reasonable estimate of such emissions.
- (6) Accounting for Emissions During Periods of Startup and Shutdown. In computing the emissions of a pollutant, the owner or operator shall account for the emissions during periods of startup and shutdown of the emissions unit.
- (7) Fugitive Emissions. In computing the emissions of a pollutant from a facility or emissions unit, the owner or operator shall account for the fugitive emissions of the pollutant, to the extent quantifiable, associated with such facility or emissions unit.
- (8) Recordkeeping. The owner or operator shall retain a copy of all records used to compute emissions pursuant to this rule for a period of five years from the date on which such emissions information is submitted to the department for any regulatory purpose.

[Rule 62-210.370(2), F.A.C.]

c. Annual Operating Report for Air Pollutant Emitting Facility

- (1) The Annual Operating Report for Air Pollutant Emitting Facility (DEP Form No. 62-210.900(5)) shall be completed each year for the following facilities:
 - a. All Title V sources.
 - b. All synthetic non-Title V sources.
 - c. All facilities with the potential to emit ten (10) tons per year or more of volatile organic compounds or twenty-five (25) tons per year or more of nitrogen oxides and located in an ozone nonattainment area or ozone air quality maintenance area.
 - d. All facilities for which an annual operating report is required by rule or permit.
- (2) Notwithstanding paragraph 62-210.370(3)(a), F.A.C., no annual operating report shall be required for any facility operating under an air general permit.
- (3) The annual operating report shall be submitted to the appropriate Department of Environmental Protection (DEP) division, district or DEP-approved local air pollution control program office by April 1 of the following year, except that the annual operating report for year 2008 shall be submitted by May 1, 2009. If the report is submitted using the Department's electronic annual operating report software, there is no requirement to submit a copy to any DEP or local air program office.

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- (4) Emissions shall be computed in accordance with the provisions of subsection 62-210.370(2), F.A.C., for purposes of the annual operating report.
- (5) Facility Relocation. Unless otherwise provided by rule or more stringent permit condition, the owner or operator of a relocatable facility must submit a Facility Relocation Notification Form (DEP Form No. 62-210.900(6)) to the Department at least 30 days prior to the relocation. A separate form shall be submitted for each facility in the case of the relocation of multiple facilities which are jointly owned or operated.

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

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Common Testing Requirements

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

COMPLIANCE TESTING REQUIREMENTS

1. **Operating Rate During Testing:** Testing of emissions shall be conducted with the emissions unit operating at permitted capacity. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the maximum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test rate until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purpose of additional compliance testing to regain the authority to operate at the permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rate allowed by the permit. [Rule 62-297.310(2), F.A.C.]
2. **Applicable Test Procedures - Opacity Compliance Tests:** When either EPA Method 9 or DEP Method 9 is specified as the applicable opacity test method, the required minimum period of observation for a compliance test shall be sixty (60) minutes for emissions units which emit or have the potential to emit 100 tons per year or more of particulate matter, and thirty (30) minutes for emissions units which have potential emissions less than 100 tons per year of particulate matter and are not subject to a multiple-valued opacity standard. The opacity test observation period shall include the period during which the highest opacity emissions can reasonably be expected to occur. Exceptions to these requirements are as follows:
 - a. For batch, cyclical processes, or other operations which are normally completed within less than the minimum observation period and do not recur within that time, the period of observation shall be equal to the duration of the batch cycle or operation completion time.
 - b. The observation period for special opacity tests that are conducted to provide data to establish a surrogate standard pursuant to Rule 62-297.310(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.

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

3. **Determination of Process Variables:**
 - a. *Required Equipment.* The owner or operator of an emissions unit for which compliance tests are required shall install, operate, and maintain equipment or instruments necessary to determine process variables, such as process weight input or heat input, when such data are needed in conjunction with emissions data to determine the compliance of the emissions unit with applicable emission limiting standards.
 - b. *Accuracy of Equipment.* Equipment or instruments used to directly or indirectly determine process variables, including devices such as belt scales, weight hoppers, flow meters, and tank scales, shall be calibrated and adjusted to indicate the true value of the parameter being measured with sufficient accuracy to allow the applicable process variable to be determined within 10% of its true value.

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

4. **Frequency of Compliance Tests:** The following provisions apply only to those emissions units that are subject to an emissions limiting standard for which compliance testing is required.
 - a. *General Compliance Testing.*
 1. The owner or operator of a new or modified emissions unit that is subject to an emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining an operation permit for such emissions unit.

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2. The owner or operator of an emissions unit that is subject to any emission limiting standard shall conduct a compliance test that demonstrates compliance with the applicable emission limiting standard prior to obtaining a renewed operation permit. Emissions units that are required to conduct an annual compliance test may submit the most recent annual compliance test to satisfy the requirements of this provision. In renewing an air operation permit pursuant to sub-subparagraph 62-210.300(2)(a)3.b., c., or d., F.A.C., the Department shall not require submission of emission compliance test results for any emissions unit that, during the year prior to renewal:
 - (a) Did not operate; or
 - (b) In the case of a fuel burning emissions unit, burned liquid and/or solid fuel for a total of no more than 400 hours,
3. During each federal fiscal year (October 1 – September 30), unless otherwise specified by rule, order, or permit, the owner or operator of each emissions unit shall have a formal compliance test conducted for visible emissions, if there is an applicable standard.
4. The owner or operator shall notify the Department, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner or operator.
- b. *Special Compliance Tests.* When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it shall require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutant emissions from the emissions unit and to provide a report on the results of said tests to the Department.

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

RECORDS AND REPORTS

5. Test Reports: The owner or operator of an emissions unit for which a compliance test is required shall file a report with the Department on the results of each such test. The required test report shall be filed with the Department as soon as practical but no later than 45 days after the last sampling run of each test is completed. The test report shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the Department to determine if the test was properly conducted and the test results properly computed. As a minimum, the test report shall provide the following information.
 - a. The type, location, and designation of the emissions unit tested.
 - b. The facility at which the emissions unit is located.
 - c. The owner or operator of the emissions unit.
 - d. The normal type and amount of fuels used and materials processed, and the types and amounts of fuels used and material processed during each test run.
 - e. The means, raw data and computations used to determine the amount of fuels used and materials processed, if necessary to determine compliance with an applicable emission limiting standard.
 - f. The date, starting time and end time of the observation.
 - g. The test procedures used.
 - h. The names of individuals who furnished the process variable data, conducted the test, and prepared the

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report.

- i. The applicable emission standard and the resulting maximum allowable emission rate for the emissions unit plus the test result in the same form and unit of measure.
- j. A certification that, to the knowledge of the owner or his authorized agent, all data submitted are true and correct. The owner or his authorized agent shall certify that all data required and provided to the person conducting the test are true and correct to his knowledge.

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