


Florida Department of Environmental Protection

Memorandum

TO: Michael G. Cooke, Division of Air Resource Management

THRU: Trina Vielhauer, Bureau of Air Regulation 
Al Linero, Air Permitting South Program

FROM: Jeff Koerner, Air Permitting South Program

DATE: March 7, 2005

SUBJECT: Air Permit No. PSD-FL-301C
Project No. 0570040-019-AC
Tampa Electric Company - H. L. Culbreath Bayside Power Station
Simple Cycle Phase and Restricted Oil Firing

The Final Permit for this project is attached for your approval and signature, which authorizes: a phase of simple cycle operation for Bayside Units 3A and 3B; distillate oil as a restricted alternate fuel for Bayside Units 3A and 3B during simple cycle operation; distillate oil as an emergency backup fuel for Bayside Units 3A and 3B once converted to combined cycle operation; and an extension of the expiration date to allow construction of Bayside Units 3 and 4 as combined cycle units. The H. L. Culbreath Bayside Power Station is located in Tampa at 3602 Port Sutton Road in Hillsborough County, Florida. The project is subject to PSD preconstruction review for CO, PM/PM₁₀, and VOC emissions.

The Department distributed an "Intent to Issue Permit" package on December 30, 2004. The applicant published the "Public Notice of Intent to Issue" in the Tampa Tribune on January 17, 2005. The Department received the proof of publication on January 21, 2005. No petitions for administrative hearings or extensions of time to petition for an administrative hearing were filed. Based on comments from the applicant received on February 15, 2005, only minor changes were made to the permit as described in the attached Final Determination.

Day #90 is March 28, 2005. I recommend your approval of the attached Final Permit for this project.

Attachments

FINAL DETERMINATION

PERMITTEE

Tampa Electric Company
P.O. Box 111
Tampa, Florida 33601-0111

PERMITTING AUTHORITY

Florida Department of Environmental Protection
Division of Air Resource Management
Bureau of Air Regulation, Air Permitting South Program
2600 Blair Stone Road, MS #5505
Tallahassee, Florida, 32399-2400

PROJECT

Air Permit No. PSD-FL-301C
Project No. 0570040-019-AC
H. L. Culbreath Bayside Power Station

The Tampa Electric Company operates the H. L. Culbreath Bayside Power Station in Tampa at 3602 Port Sutton Road in Hillsborough County, Florida. The electrical power plant (SIC No. 4911) was formerly known as the F. J. Gannon Station, but was re-powered with combined cycle gas turbines firing natural gas. This permit revision authorizes: a phase of simple cycle operation for Bayside Units 3A and 3B; distillate oil as a restricted alternate fuel for Bayside Units 3A and 3B during simple cycle operation; distillate oil as an emergency backup fuel for Bayside Units 3A and 3B once converted to combined cycle operation; and an extension of the expiration date to allow construction of Bayside Units 3 and 4 as combined cycle units.

NOTICE AND PUBLICATION

The Department distributed an "Intent to Issue Permit" package on December 30, 2004. The applicant published the "Public Notice of Intent to Issue" in the Tampa Tribune on January 17, 2005. The Department received the proof of publication on January 21, 2005. No petitions for administrative hearings or extensions of time to petition for an administrative hearing were filed.

COMMENTS

No comments on the Draft Permit were received from the public, the Department's Southwest District Office, the Environmental Protection Commission of Hillsborough County, EPA Region 4, or the National Park. The Department received comments from the applicant on February 15, 2005. The following summarizes the applicant's comments and the Department's response.

Condition C.3.b - Construction

Comment: TECO does not believe that revalidation of the BACT or a new netting analysis should be required if a permit extension is required when the project is near completion. TECO requests the following revision, "Conversion of Units 3A and 3B to combined cycle operation shall be complete before this permit expires. TEC may request an extension of the expiration date of the permit. If an extension is granted based upon an adequate justification, the original BACT determinations and netting analyses shall remain unchanged. Upon review, the Department may require validation of the BACT determinations and a new netting analysis. Otherwise, the Department will require revalidation of the BACT determinations and a new netting analysis for any requests to extend the permit."

FINAL DETERMINATION

Response: It is acknowledged that there may be circumstances in which construction of the gas turbines systems is nearly complete and revalidation of the BACT determinations or a revised PSD netting analysis is not warranted. The condition was revised as follows:

- “3. Construction: Bayside Unit 3 is scheduled to commence construction in May of 2005 and complete construction in 2006. Units 3A and 3B may be installed and operated as simple cycle units and later converted to combined cycle units. Unit 4 will be added as a combined cycle unit. The permittee shall inform the Department and Compliance Authority of any substantial changes to the construction schedule including conversion of Units 3A and 3B to combined cycle operation. Pursuant to 40 CFR 52.21(r)(2):
- a. Construction of Bayside Units 3A and 3B shall commence within 18 months after permit issuance. Otherwise, authorization to construct shall become invalid.
 - b. Conversion of Units 3A and 3B to combined cycle operation shall be complete before this permit expires. ~~Otherwise, the Department will require revalidation of the BACT determinations and a new netting analysis for any requests to extend the permit.~~
 - c. Construction of combined cycle Unit 4 shall be complete before this permit expires. ~~Otherwise, the Department will require revalidation of the BACT determinations and a new netting analysis for any requests to extend the permit.~~
 - d. Each combined cycle unit shall include an SCR system to reduce NOx emissions.
 - e. For good cause, the permittee may request that this PSD air construction permit be extended. When processing any request for a permit extension, the Department may require revalidation of the BACT determinations or a revised netting analysis or both.

[Application; Rule 62-212.400(BACT), F.A.C.]”

Condition C.11.c – Distillate Oil

Comment: Upon conversion of Units 3A and 3B to combined cycle operation, the EPA/TECO Consent Decree allows up to 875 equivalent full load hours on No. 2 oil if the unit cannot be fired with natural gas. The draft permit recognizes the requirements of the EPA/TECO Consent Decree, but continues to limit oil firing after conversion to combined cycle operation to the level requested for simple cycle operation (700 full load equivalent hours). Once the units are converted to combined cycle operation, TECO requests that oil firing be allowed for up to 875 equivalent full load hours. TECO also requests that the requirements of the EPA/TECO Consent Decree be referenced and not included in the permit.

Response: A review of the Technical Evaluation issued in support of the draft PSD permit shows that the PSD netting analysis was actually based on 875 equivalent full load hours for oil firing. In addition, it is recognized that the ability to fire oil after conversion to combined cycle operation is narrowly restricted by the requirements of the EPA/TECO Consent Decree to only those periods when the unit cannot be fired with natural gas. Therefore, the Department revised the condition to allow 875 equivalent full load hours after conversion to combined cycle operation. However, the oil firing requirements of the EPA/TECO Consent Decree were included verbatim in the permit. For clarity, the Department also added the text “During simple cycle operation, ...” to the sentence in Condition 11b that specifies the oil firing restriction of 700 full load equivalent hours of operation.

Condition C.12 – Restricted Operation

Comment: TECO requests that the title of this permit condition be revised from “Restricted Operation” to “Hours of Operation”.

Response: The condition will be revised as requested.

FINAL DETERMINATION

Condition C.17 – Alternate Standards and Data Exclusions

Comment: For Units 3 and 4, the draft permit referenced the requirements in Section IIIA for Units 1 and 2. For clarity, TECO requests that the full text of these requirements be included for Units 3 and 4.

Response: The condition will be revised as requested. The revision will not result in any new or revised requirements.

Condition C.19 – Test Methods

Comment: For Units 3 and 4, the draft permit referenced the requirements in Section IIIA for Units 1 and 2. For clarity, TECO requests that the full text of these requirements be included for Units 3 and 4.

Response: The condition will be revised as requested. The revision will not result in any new or revised requirements.

Condition C.22 – Additional Ammonia Slip Testing

Comment: For Units 3 and 4, the draft permit referenced the requirements in Section IIIA for Units 1 and 2. For clarity, TECO requests that the full text of these requirements be included for Units 3 and 4.

Response: The condition will be revised as requested. The revision will not result in any new or revised requirements.

Condition C.23 – Continuous Emissions Monitoring Systems

Comment: For Units 3 and 4, the draft permit referenced the requirements in Section IIIA for Units 1 and 2. For clarity, TECO requests that the full text of these requirements be included for Units 3 and 4.

Response: The condition will be revised as requested. The revision will not result in any new or revised requirements.

Condition C.25 – Semiannual CEMS Report

Comment: For Units 3 and 4, the draft permit referenced the requirements in Section IIIA for Units 1 and 2. For clarity, TECO requests that the full text of these requirements be included for Units 3 and 4.

Response: The condition will be revised as requested. The revision will not result in any new or revised requirements.

Appendix B – Summary of BACT Determinations and Emissions Standards

Comment: Correct typographical error in 3rd paragraph, "... to install a-selective catalytic reduction systems ..."
Correct typographical error in 4th paragraph, "... to re-power Gannon Unit 4 6."

Response: The typographical error was corrected.

Appendix B – Summary of Mass Emission Rates for Firing Natural Gas

Comment: Correct typographical error in 4th bullet, "... are measuredd as methane."

Response: The typographical error was corrected.

Appendix GG – NSPS Subpart GG Requirements for Gas Turbines

Comment: On page GG-3 in Department note under provision (d), correct "species" to "specifies."

Response: The typographical error was corrected.

CONCLUSION

The Department considers the changes and revisions to be minor in nature. The final action of the Department is to issue the permit with these changes.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

NOTICE OF FINAL PERMIT

In the Matter of an
Application for Permit by:

Tampa Electric Company
P.O. Box 111
Tampa, Florida 33601-0111

H. L. Culbreath Bayside Power Station
Air Permit No. PSD-FL-301C
Project No. 0570040-019-AC
Hillsborough County, Florida

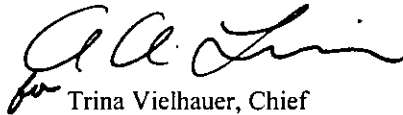
Authorized Representative:

Wade A. Maye, General Manager

Enclosed is Final Air Permit No. PSD-FL-301C, which authorizes: a phase of simple cycle operation for Bayside Units 3A and 3B; distillate oil as a restricted alternate fuel for Bayside Units 3A and 3B during simple cycle operation; distillate oil as an emergency backup fuel for Bayside Units 3A and 3B once converted to combined cycle operation; and an extension of the expiration date to allow construction of Bayside Units 3 and 4 as combined cycle units. The H. L. Culbreath Bayside Power Station is located in Tampa at 3602 Port Sutton Road in Hillsborough County, Florida. As noted in the attached Final Determination, only minor changes and clarifications were made. This permit is issued pursuant to Chapter 403, Florida Statutes.

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 thirty (30) days after this order is filed with the clerk of the Department.

Executed in Tallahassee, Florida.



Trina Vielhauer, Chief
Bureau of Air Regulation

CERTIFICATE OF SERVICE

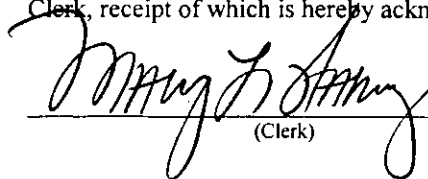
The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Final Permit (including the Final permit) was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 3/15/05 to the persons listed:

Mr. Wade A. Maye, TECO*
Ms. Greer Briggs, TECO
Ms. Raisa Calderon, TECO
Mr. Tom Davis, P.E., ECT

Mr. Jerry Kissel, SWD Office
Mr. Jerry Campbell, HEPC
Mr. Gregg Worley, EPA Region 4
Mr. John Bunyak, NPS

Clerk Stamp

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


(Clerk)

3/15/05
(Date)



Department of Environmental Protection

Jeb Bush
Governor

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

Colleen M. Castille
Secretary

PERMITTEE:

Tampa Electric Company
P.O. Box 111
Tampa, Florida 33601-0111

Authorized Representative:
Wade A. Maye, General Manager

H. L. Culbreath Bayside Power Station
Air Permit No. PSD-FL-301C
Project No. 0570040-019-AC
Expires: December 31, 2007

PROJECT

The Tampa Electric Company operates the H. L. Culbreath Bayside Power Station in Tampa at 3602 Port Sutton Road in Hillsborough County, Florida. The electrical power plant (SIC No. 4911) was formerly known as the F. J. Gannon Station, but was re-powered with combined cycle gas turbines firing natural gas. This permit revision authorizes: a phase of simple cycle operation for Bayside Units 3A and 3B; distillate oil as a restricted alternate fuel for Bayside Units 3A and 3B during simple cycle operation; distillate oil as an emergency backup fuel for Bayside Units 3A and 3B once converted to combined cycle operation; and an extension of the expiration date to allow construction of Bayside Units 3 and 4.

The UTM coordinates are: Zone 17, 360.00 km E, 3087.50 km N.

STATEMENT OF BASIS

The permittee is authorized to install the proposed equipment and perform the work 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. 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 40 CFR 52.21. Specifically, this permit is issued pursuant to the Chapter 62-212, F.A.C. requirements for Preconstruction Review of Stationary Sources and the Prevention of Significant Deterioration (PSD) of Air Quality. The conditions of this permit do not relieve the permittee from any applicable requirement of the DEP/TECO Consent Final Judgment or the EPA/TECO Consent Decree.

Michael G. Cooke, Director
Division of Air Resource Management

Effective Date

SECTION I. FACILITY INFORMATION

FACILITY DESCRIPTION

Upon completing construction of all Bayside Units and retiring all coal-fired Gannon units, the H. L. Culbreath Bayside Power Station will have an electrical production capacity of 2845 MW based on the following nominal capacities: Bayside Unit 1 (746 MW), Bayside Unit 2 (1090 MW), Bayside Unit 3 (501 MW), and Bayside Unit 4 (508 MW). Note that the final design may not fully utilize the nameplate capacities of the existing steam-electrical turbines. The following table summarizes the emission units regulated by this air construction permit.

EU No.	Status	Emission Unit Description
001 ^a	Retired	Gannon Unit 1 – coal fired boiler (125 MW steam electrical generator)
002 ^a	Retired	Gannon Unit 2 – coal fired boiler (125 MW steam electrical generator)
003 ^a	Retired	Gannon Unit 3 – coal fired boiler (163 MW steam electrical generator)
004 ^a	Retired	Gannon Unit 4 – coal fired boiler (170 MW steam electrical generator)
005 ^a	Retired	Gannon Unit 5 – coal fired boiler (239 MW steam electrical generator)
006 ^a	Retired	Gannon Unit 6 – coal fired boiler (414 MW steam electrical generator)
008 ^a	Functional	Gannon Coal Yard
020 ^b	Operating	Bayside Unit 1A – 169 MW combined cycle gas turbine
021 ^b	Operating	Bayside Unit 1B – 169 MW combined cycle gas turbine
022 ^b	Operating	Bayside Unit 1C – 169 MW combined cycle gas turbine
023 ^c	Operating	Bayside Unit 2A – 169 MW combined cycle gas turbine
024 ^c	Operating	Bayside Unit 2B – 169 MW combined cycle gas turbine
025 ^c	Operating	Bayside Unit 2C – 169 MW combined cycle gas turbine
026 ^c	Operating	Bayside Unit 2D – 169 MW combined cycle gas turbine
027 ^d	Proposed	Bayside Unit 3A – 169 MW combined cycle gas turbine
028 ^d	Proposed	Bayside Unit 3B – 169 MW combined cycle gas turbine
029 ^e	Proposed	Bayside Unit 4A – 169 MW combined cycle gas turbine
030 ^e	Proposed	Bayside Unit 4B – 169 MW combined cycle gas turbine

Notes

- a. The coal fired Gannon boilers were permanently retired on the following dates: Unit 1 (04/16/03); Unit 2 (04/15/03); Unit 3 (11/01/03); Unit 4 (10/12/03); Unit 5 (01/30/03); and Unit 6 (09/30/03). The Gannon coal yard (EU 008) remains functional.
- b. Bayside Unit 1 is constructed and began commercial operation on March 16, 2003. The three gas turbines comprising Bayside Unit 1 re-power the 239 MW steam electrical generator from Gannon Unit 5.
- c. Bayside Unit 2 is constructed and began commercial operation on November 19, 2003. The four gas turbines comprising Bayside Unit 2 re-power the 414 MW steam electrical generator from Gannon Unit 6.
- d. The two gas turbines comprising Bayside Unit 3 will re-power the 163 MW steam electrical generator from Gannon Unit 3. This revised permit authorizes a phase of simple cycle operation for these units.
- e. The two gas turbines comprising Bayside Unit 4 will re-power the 170 MW steam electrical generator from Gannon Unit 4.

SECTION I. FACILITY INFORMATION

REGULATORY CLASSIFICATION

Title III: The re-powered facility is not a major source of hazardous air pollutants (HAPs).

Title IV: All Bayside gas turbines are subject to the Phase II Acid Rain requirements. All Gannon boilers have been permanently shutdown and are considered "retired units" in accordance with the Acid Rain provisions.

Title V: The facility is a Title V major source of air pollution in accordance with chapter 62-213, F.A.C.

Site Certification: The facility is not subject to any specific power plant site certification requirements.

PSD: The facility is a PSD-major facility in accordance with Rule 62-212.400, F.A.C.

NSPS: All gas turbines are subject to the New Source Performance Standards in Subpart GG of 40 CFR 60.

NESHAP: The re-powered facility is not a major source of hazardous air pollutants; therefore the National Emissions Standards for Hazardous Air Pollutants in Subpart YYYY of 40 CFR 63 do not apply to the gas turbines.

RELEVANT DOCUMENTS

The following documents are not a part of this permit; however, they are specifically related to this permitting action and are on file with permitting authority.

- DEP/TECO Consent Final Judgment signed on December 7, 1999.
- EPA/TECO Consent Decree entered on October 5, 2000.
- Original Permit No. PSD-FL-301 issued on March 30, 2001 including the application and related correspondence. This permit (Project No. 0570040-013-AC) authorized construction of Bayside Units 1 and 2.
- Revised Permit No. PSD-FL-301A issued on January 8, 2002 including the application and related correspondence. This permit (Project No. 0570040-015-AC) included the construction of Bayside Units 3 and 4.
- Revised Permit No. PSD-FL-301B issued on November 9, 2004 including the application and related correspondence. This permit (Project No. 0570040-021-AC) revised Condition 17 related to monitoring data exclusions.
- Application No. 0570040-019-AC (PSD-FL-301C) received on July 22, 2003 and related correspondence to make it complete.

APPENDICES

The following Appendices are attached as part of this permit.

Appendix A. Terminology

Appendix B. Summary of the BACT Determinations and Emissions Standards

Appendix E. Summary of Mass Emissions Rates

Appendix GC. General Conditions

Appendix GG. NSPS Subpart GG Requirements for Gas Turbines

Appendix XS. Semi-Annual Continuous Monitor Systems Report

SECTION II. STANDARD CONDITIONS

ADMINISTRATIVE REQUIREMENTS

1. **Effective Date:** The effective date of this permit is specified on the placard page (page 1).
2. **Permitting Authority:** All documents related to applications for permits to construct, operate or modify an emissions unit shall be submitted to the Bureau of Air Regulation (BAR), Florida Department of Environmental Protection (DEP), at 2600 Blair Stone Road - MS #5505, Tallahassee, Florida 32399-2400. Copies shall also be provided to each Compliance Authority.
3. **Compliance Authority:** All documents related compliance activities such as reports, tests, and notifications shall be submitted to the Air Management Division of the Environmental Protection Commission of Hillsborough County at 1410 North 21 Street, Tampa, FL 33605. Copies of all such documents shall be submitted to the Air Resources Section of the Southwest District Office, Florida Department of Environmental Protection, 3804 Coconut Palm Drive, Tampa, Florida 33619-8218.
4. **Terminology:** The terms used in this permit have specific meanings as defined in the applicable chapters of the Florida Administrative Code. *Appendix A* lists frequently used abbreviations and explains the format used to cite rules and regulations in this permit.
5. **General Conditions:** The owner and operator are subject to, and shall operate under, the attached General Conditions listed in *Appendix GC* of this permit. [Rule 62-4.160, F.A.C.]
6. **Applicable Regulations, Forms and Application Procedures:** Unless otherwise indicated in this permit, the construction and operation of the subject emissions unit shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403 of the Florida Statutes (F.S.); Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296, and 62-297 of the Florida Administrative Code (F.A.C.); and the Title 40, Parts 52, 60, 72, 73, and 75 of the Code of Federal Regulations (CFR), adopted by reference in Rule 62-204.800, F.A.C. The permittee shall use the applicable forms listed in Rule 62-210.900, F.A.C. and follow the application procedures in Chapter 62-4, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations. [Rules 62-204.800, 62-210.300 and 62-210.900, F.A.C.]
7. **PSD Expiration:** Approval to construct shall become invalid if construction is not commenced within 18 months of the effective date of this permit, or if construction is discontinued for a period of 18 months or more, or if construction is not completed within a reasonable time. The Department may extend the 18-month period upon a satisfactory showing that an extension is justified. Such an extension does not relieve the permittee from any applicable requirement of the DEP/TECO Consent Final Judgment or the EPA/TECO Consent Decree. [40 CFR 52.21(r)(2)]
8. **Permit Expiration:** For good cause, the permittee may request that this PSD air construction permit be extended. Such a request shall be submitted to the Department's Bureau of Air Regulation at least sixty (60) days prior to the expiration of this permit. Such an extension does not relieve the permittee from any applicable requirement of the DEP/TECO Consent Final Judgment or the EPA/TECO Consent Decree. [Rules 62-4.070(4), 62-4.080, and 62-210.300(1), F.A.C.]
9. **BACT Determination:** In conjunction with an extension of the 18-month period to commence or continue construction, phasing of the project, or an extension of the permit expiration date, the permittee will be required to demonstrate the adequacy of any previous determination of Best Available Control Technology (BACT) for the source. [Rule 62-212.400(6)(b), F.A.C. and 40 CFR 51.166(j)(4)]
10. **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.]
11. **Modifications:** No emissions unit or facility subject to this permit shall be constructed or modified without

SECTION II. STANDARD CONDITIONS

obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.200 (Definitions) and 62-210.300(1), F.A.C.]

12. Application for Title IV Permit: At least 24 months before the date on which the new unit begins serving an electrical generator greater than 25 MW, the permittee shall submit an application for a Title IV Acid Rain Permit to the Region 4 office of the U.S. Environmental Protection Agency in Atlanta, Georgia and a copy to the Department's Bureau of Air Regulation in Tallahassee. [40 CFR 72]
13. Title V Permit: This permit authorizes construction of the permitted emissions units and initial operation to determine compliance with Department rules. A Title V operation permit is required for regular operation of the permitted emissions unit. The permittee shall apply for a Title V operation permit at least ninety 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 Department's Bureau of Air Regulation with copies to the Compliance Authority. [Rules 62-4.030, 62-4.050, 62-4.220, and Chapter 62-213, F.A.C.]

EMISSIONS AND CONTROLS

13. 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.]
14. 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.]
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. [Rule 62-210.700(4), F.A.C.]
16. 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 the 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.]

TESTING REQUIREMENTS

17. Sampling Facilities: The permittee shall provide stack testing facilities and sampling locations in accordance with Rule 62-297.310(6), F.A.C.
18. 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

SECTION II. STANDARD CONDITIONS

accordance with the schedule shown in Table 297.310-1, F.A.C.

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

19. Test Notification: The permittee shall notify the Compliance Authority in writing at least 30 days prior to any initial NSPS performance tests and at least 15 days prior to any other required tests. [Rule 62-297.310(7)(a)9, F.A.C.; 40 CFR 60.7; 40 CFR 60.8]
20. 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.]
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. [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.]
22. Special Compliance Tests: When the Compliance Authority, 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 Compliance Authority. [Rule 62-297.310(7)(b), F.A.C.]

RECORDS AND REPORTS

23. 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 Compliance Authority upon request. [Rules 62-4.160(14) and 62-213.440(1)(b)2, F.A.C.]
24. 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 Compliance Authority 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.]
25. 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.]