

Florida Department of Environmental Protection

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2600 Blair Stone Road
Tallahassee, Florida 32399-2400

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Governor

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Lt. Governor

Michael W. Sole
Secretary

PERMITTEE

Bay County Utility Services Department
3410 Transmitter Road
Panama City, Florida 33404

Authorized Representative:
Mr. Glenn Ogborn, Solid Waste Superintendent

Air Permit No. 0050031-012-AC
Permit Expires: August 1, 2011
Minor Air Construction Permit

Bay County Resource Recovery Facility
Rerating of Units 1 and 2

PROJECT

This is the final air construction permit, which authorizes the rerating of Units 1 and 2 from 245 tons per day (TPD) of waste throughput per unit to 255 TPD of waste throughput per unit. The Bay County Resource Recovery Facility (RRF) is a municipal waste processing facility categorized under Standard Industrial Classification No. 4953. The existing facility is located in Bay County at 6510 Bay Line Drive, Panama City, Florida. The UTM coordinates are Zone 16, 642.40 km East and 3349.50 km North.

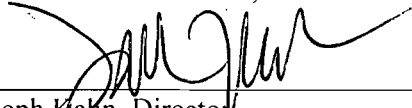
This final permit is organized into the following sections: Section 1 (General Information), Section 2 (Administrative Requirements), Section 3 (Permit Revisions), and Section 4 (Appendices). As noted in the Final Determination provided with this final permit, only minor changes and clarifications were made to the draft permit.

STATEMENT OF BASIS

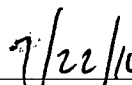
This air pollution construction permit is issued under the provisions of: Chapter 403 of the Florida Statutes (F.S.) and Chapters 62-4, 62-204, 62-210, 62-212, 62-296 and 62-297 of the Florida Administrative Code (F.A.C.). This project is subject to the general preconstruction review requirements in Rule 62-212.300, F.A.C. and is not 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 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 Tallahassee, Florida



Joseph Kahn, Director
Division of Air Resource Management



(Date)

FINAL PERMIT


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) 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 7/22/10 to the persons listed below.

- Mr. Glenn Ogborn, Bay County Utility Services (gogborn@baycountyfl.gov)
- Mr. Richard Brookins, EnGen, LLC (brookins@engenllc.com)
- Mr. David A. Buff, P.E., Golder Associates, Inc. (dbuff@golder.com)
- Ms. Kathleen Forney, U.S. EPA, Region 4 (forney.kathleen@epamail.epa.gov)
- Ms. Heather Abrams, U.S. EPA, Region 4 (abrams.heather@epamail.epa.gov)
- Ms. Ana Oquendo, U.S. EPA, Region 4 (oquendo.ana@epa.gov)
- Ms. Vickie Gibson, DEP BAR Reading File (victoria.gibson@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.



(Clerk)

7/22/10
(Date)

FINAL DETERMINATION

PERMITTEE

Bay County Utility Services
Bay County Resource Recovery Facility
3410 Transmitter Road
Panama City, Florida 33404

PERMITTING AUTHORITY

Florida Department of Environmental Protection
Bureau of Air Regulation
New Source Review Section
2600 Blair Stone Road, MS 5505
Tallahassee, FL 32399

PROJECT

Air Permit No. 0050031-012-AC
Minor Source Air Construction Permit
Bay County Resource Recovery Facility

The applicant proposes to rerate Units 1 and 2 from 245 tons per day per unit throughput to 255 tons per day per unit throughput.

NOTICE AND PUBLICATION

The Department distributed a draft minor source air construction permit package on June 22, 2010. The applicant published the Public Notice in The News Herald in Panama City on June 29, 2010. The Department received the proof of publication on July 13, 2010.

COMMENTS

Applicant

On July 13, 2010, the Department received comments from the applicant. The following summarizes the comments and the Department's response.

1. *Comment:* Section Numbering- This section should be entitled 'Section 3'.

Response: The section being referenced by the Permittee is the 'Emissions Units Specific Conditions'. The Draft refers to the section as Section 2. The Department agrees the 'Emissions Units Specific Conditions' should be referred to as Section 3 and the change will be made in the Final Permit. The Appendices will now be Section 4.

2. *Comment:* Condition 2, Rerating Capacity, page 5 of 8: The draft permit contained a 4-hour maximum steam production rate of 69,333 pounds per hour which is approximately 2% higher than the 24-hour rolling average of 68,000 pounds per hour steam production rate. The applicant requested a 4-hour maximum steam production rate of 74,800 pounds per hour of steam. The request was based upon the following requirements of NSPS Subpart Cb.

§ 60.53b Standards for municipal waste combustor operating practices.

(b) No owner or operator of an affected facility shall cause such facility to operate at a load level greater than 110 percent of the maximum demonstrated municipal waste combustor unit load as defined in §60.51b, except as specified in paragraphs (b)(1) and (b)(2) of this section.

§ 60.51b, Definitions, provides the following:

FINAL DETERMINATION

Maximum demonstrated municipal waste combustor unit load means the highest 4-hour arithmetic average municipal waste combustor unit load achieved during four consecutive hours during the most recent dioxin/furan performance test demonstrating compliance with the applicable limit for municipal waste combustor organics specified under §60.52b(c).

The applicant also based the request on the permitted steam flow rates of other waste-to-energy facilities in the state, which currently have 4-hour maximum steam rates that are 10% to 15% higher than the maximum 24-hour rolling average. The applicant believes that the 69,333 pounds per hour (4-hour average) limit is very restrictive since the NSPS allows for 110% production based upon the last dioxin/furan stack test that demonstrates compliance.

Response: The capacity of each municipal waste combustor unit is already limited by the permit to 255 tons per year of waste and 68,000 pounds of steam per hour (24-hour rolling average). Therefore, the Department agrees to amend the final permit such that the maximum 4-hour steam rate is consistent with the federal requirements of NSPS Subpart Cb.

Rerating Capacity: The maximum charging rate of each municipal waste combustor (MWC) shall not exceed 255 tons of municipal solid waste (MSW) per day per unit, which is equivalent to a maximum heat input rate for each MWC of 96 MMBtu per hour assuming a heating value of 4,500 Btu per pound of waste. The 24-hour rolling average steam flow rate from each unit shall not exceed 69,333 lb/hour (4-hour block average) and 68,000 lb/hour (24-hour rolling average). Except as specified in paragraphs (b)(1) and (b)(2) of 40 CFR 53b (b), each unit shall operate at a steam flow rate of no more than 110% of the "maximum demonstrated municipal waste combustor unit load", which is defined in 40 CFR 60.51b as the highest 4-hour arithmetic average municipal waste combustor unit load achieved during four consecutive hours during the most recent dioxin/furan performance test demonstrating compliance with the applicable limit for municipal waste combustor organics specified under 40 CFR 60.52b(c). To determine compliance with the steam flow rates, a steam flow meter shall be calibrated, maintained and operated to measure steam flow in pounds per hour on a continuous basis and record the output of the monitor. Steam flow shall be calculated and recorded in 4-hour block and 24-hour rolling averages. Before operating at the rerated capacity, new fan blades shall be installed in each unit to achieve the higher throughput rate. [0050031-012-AC; Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; and 40 CFR 60.31b, 60.34b and 60.38b]

The permittee shall not exceed the new permitted limits as stated in this permit upon installation and certification of the new fan blades required by this air construction permit.

CONCLUSION

The final action is to issue the permit with the minor changes, corrections and clarifications as described above.

SECTION 1. GENERAL INFORMATION

FACILITY DESCRIPTION

The Bay County RRF began commercial operation on May 1, 1987. It currently converts a maximum of 490 tons per day of non-recycled solid waste into saleable energy. The facility includes two municipal waste combustors (MWC) that are both coupled to a common steam-electrical generator with a nameplate rating of 15 megawatts. The following control equipment is installed and operating: baghouse system; spray dryer absorber system including two lime slakers and a lime silo; and an activated carbon injection system with silo. Particulate matter emissions are controlled by the baghouse system. Mercury, other metals and dioxins/furans are controlled by the activated carbon injection with removal by the baghouse system. Sulfur dioxide, hydrochloric acid, sulfuric acid mist and fluoride emissions are controlled by the spray dryer absorber with lime slurry injection and baghouse collection.

FACILITY REGULATORY CLASSIFICATION

- The facility is a major source of hazardous air pollutants (HAP).
- The facility operates no units subject to the acid rain provisions of the Clean Air Act.
- The facility operates units subject to the New Source Performance Standards (NSPS) of Title 40 of the Code of Federal Regulations, Part 60 (40 CFR 60).
- The facility operates no units subject to the National Emission Standards of Hazardous Air Pollutants (NESHAP) of Title 40 of the Code of Federal Regulations, Part 63 (40 CFR 63).
- The facility is a Title V major source of air pollution in accordance with Chapter 62-213, F.A.C.
- The facility is a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.

PROPOSED PROJECT

This project authorizes the rerating of Units 1 and 2 from a maximum waste throughput of 245 to 255 TPD per unit. This change reclassifies the units from small MWC subject to the NSPS provisions in Subpart BBBB to large MWC subject to the emissions guidelines in Subpart Cb. The rerating requires the installation of new fan blades in each unit to achieve the higher throughput rate and provide increased energy efficiency.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: All documents related to applications for permits to construct, operate or modify emissions unit shall be submitted to the Bureau of Air Regulation, Florida Department of Environmental Protection (Department), at 2600 Blair Stone Road (MS #5505), Tallahassee, Florida 32399-2400. Copies of all such documents shall also be submitted to the Compliance Authority.
2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Air Resource Section of the Department's Northwest District Office. The mailing address is 160 Governmental Center, Suite 308, Pensacola, Florida, 32502-5794. The phone number is 850/595-8300.
3. Appendices: The following appendices are attached as part of this permit: Appendix A (Citation Formats and Glossary of Common Terms), Appendix B (General Conditions), Appendix C (Common Conditions), and 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 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, F.S., and Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-214, 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. 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. [Rules 62-204.800, 62-210.300 and 62-210.900, F.A.C.]
5. Construction and Expiration: The Department may extend the expiration date upon a satisfactory showing that an extension is justified. Such a request shall be submitted to the Department's Bureau of Air Regulation at least 60 days prior to the expiration of this permit. [Rules 62-4.070(4), 62-4.080, 62-210.300(1) and 62-212.400(12), F.A.C.]
6. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]
7. Modifications: No emissions unit or facility subject to this permit shall be constructed or modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. This permit authorizes construction of the referenced facilities. [Chapters 62-210 and 62-212, F.A.C.]
8. Title V Air Operation Permit: This permit authorizes the proposed work modifications to Units 1 and 2. A Title V Air Operation Permit is required for regular operation of the permitted emission units. The permittee shall apply for a Title V operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation. To apply for a Title V operation permit, the applicant shall submit the appropriate application form, compliance test results, and such additional information as the Department may by law require. The application shall be submitted to the appropriate Permitting Authority with copies to the Compliance Authority. [Rules 62-4.030, 62-4.050, 62-4.220, and Chapter 62-213.420, F.A.C.]

SECTION 3. EMISSIONS UNITS SPECIFIC CONDITIONS

The specific conditions of this subsection apply to the following emissions units after the authorized work is completed.

EU ID	Emissions Unit Description
001	MWC Unit No. 1
002	MWC Unit No. 2

EXISTING PERMITS

1. Other Permits: The capacity and limits in this permit, unless otherwise specified, supersede all previously established capacity and limits issued in air construction and operation permits for these emissions units. However, the permittee shall otherwise continue to comply with all applicable requirements in the current Title V air operation permit. [Rules 62-4.070(3) and 62-210.300 and Chapter 62-213, F.A.C.]

ESSENTIAL POTENTIAL TO EMIT (PTE) PARAMETERS

2. Rerating Capacity: The maximum charging rate of each municipal waste combustor (MWC) shall not exceed 255 tons of municipal solid waste (MSW) per day per unit, which is equivalent to a maximum heat input rate for each MWC of 96 MMBtu per hour assuming a heating value of 4,500 Btu per pound of waste. The 24-hour rolling average steam flow rate from each unit shall not exceed 68,000 lb/hour. Except as specified in paragraphs (b)(1) and (b)(2) of 40 CFR 53b (b), each unit shall operate at a steam flow rate of no more than 110% of the "maximum demonstrated municipal waste combustor unit load", which is defined in 40 CFR 60.51b as the highest 4-hour arithmetic average municipal waste combustor unit load achieved during four consecutive hours during the most recent dioxin/furan performance test demonstrating compliance with the applicable limit for municipal waste combustor organics specified under 40 CFR 60.52b(c). To determine compliance with the steam flow rates, a steam flow meter shall be calibrated, maintained and operated to measure steam flow in pounds per hour on a continuous basis and record the output of the monitor. Steam flow shall be calculated and recorded in 4-hour block and 24-hour rolling averages. Before operating at the rerated capacity, new fan blades shall be installed in each unit to achieve the higher throughput rate. [0050031-012-AC; Rules 62-4.160(2) and 62-210.200(PTE), F.A.C.; and 40 CFR 60.31b, 60.34b and 60.38b]

EMISSION LIMITATIONS AND STANDARDS

{Permitting Note: The emissions standards apply to each MWC unit. The equivalent mass emission rates are based on an estimated exhaust flow rate 29,221 dry standard cubic feet per minute corrected to 7% oxygen.}

3. Particulate Matter (PM): As determined by EPA Method 5, the emission limit for PM contained in the gases discharged to the atmosphere from a designated facility is 25 milligrams per dry standard cubic meter, corrected to 7% oxygen (O₂), based on the average of three test runs (equivalent to a mass emission rate of 2.74 lb/hour). [40 CFR 60.33b(a)(1)(i) and Rule 62-204.800(9)(b), F.A.C.]

4. Visible Emissions (VE): As determined by the continuous opacity monitoring system (COMS) or EPA Method 9, the emission limit for opacity exhibited by the gases discharged to the atmosphere from a designated facility is 10% (6-minute average). [40 CFR 60.33b(1)(iii) and Rule 62-204.800(9)(b), F.A.C.]

5. Cadmium (Cd): As determined by EPA Method 29, the emission limit for Cd contained in the gases discharged to the atmosphere from a designated facility is 35 micrograms per dry standard cubic meter, corrected to 7% O₂, based on the average of three test runs (equivalent to a mass emission rate of 0.00383 lb/hour). [40 CFR 60.33b(a)(2)(i) and Rule 62-204.800(9)(b), F.A.C.]

6. Mercury (Hg): As determined by EPA Method 29, the emission limit for Hg contained in the gases discharged to the atmosphere from a designated facility is 50 micrograms per dry standard cubic meter or 15 percent of the potential mercury emission concentration (85-percent reduction by weight), corrected to 7% O₂,

SECTION 3. EMISSIONS UNITS SPECIFIC CONDITIONS

whichever is less stringent and based on the average of three test runs (equivalent to a mass emission rate of 0.00547 lb/hour). [40 CFR 60.33b(a)(3) and Rule 62-204.800(9)(b), F.A.C.]

7. Lead (Pb): As determined by EPA Method 29, the emission limit for Pb contained in the gases discharged to the atmosphere from a designated facility is 400 micrograms per dry standard cubic meter, corrected to 7% oxygen, based on the average of three test runs (equivalent to a mass emission rate of 0.0438 lb/hour). [40 CFR 60.33b(a)(4) and Rule 62-204.800(9)(b), F.A.C.]

8. Sulfur Dioxide (SO₂): As determined by the continuous emissions monitoring system (CEMS), the emission limit for SO₂ contained in the gases discharged to the atmosphere from a designated facility is 29 parts per million by volume or 25% of the potential SO₂ emission concentration (75% reduction by weight or volume), corrected to 7% O₂ (dry basis), whichever is less stringent (equivalent to a mass emission rate of 8.44 lb/hour). Compliance with this emission limit is based on a 24-hour daily geometric mean. [40 CFR 60.33b(b)(3)(i) and Rule 62-204.800(9)(b), F.A.C.]

9. Hydrogen Chloride (HCl): As determined by EPA Method 26 or 26A, the emission limit for HCl contained in the gases discharged to the atmosphere from a designated facility is 29 parts per million by volume or 5% of the potential HCl emission concentration (95% reduction by weight or volume), corrected to 7% O₂ (dry basis), whichever is less stringent (equivalent to a mass emission rate of 4.81 lb/hour). [40 CFR 60.33b(b)(3)(ii) and Rule 62-204.800(9)(b), F.A.C.]

10. Dioxin/Furan (D/F): As determined by EPA Method 23, the emission limit for designated facilities that do not employ an electrostatic precipitator-based emission control system is 30 nanograms per dry standard cubic meter (total mass), corrected to 7% O₂ (equivalent to a mass emission rate of 3.28×10^{-6} lb/hour). [40 CFR 60.33b(c)(1)(iii) and Rule 62-204.800(9)(b), F.A.C.]

11. Nitrogen Oxides (NO_x): As determined by the CEMS, the emission limit for NO_x contained in the gases discharged to the atmosphere from a designated facility is 170 parts per million by volume, corrected to 7% O₂ (dry basis), 24-hour daily average (equivalent to a mass emission rate of 35.57 lb/hour). [0050031-011-AC (PSD-FL-129D); and Rule 62-204.800(9)(b), F.A.C.]

{Permitting Note: The above NO_x emission limit was established under air construction Permit No. 0050031-011-AC (PSD-FL-129D). For that project, each unit was derated to 245 tons of MSW and became subject to NSPS Subpart BBBB, 40 CFR 60. This limit is more stringent than the NO_x limit specified in NSPS Subpart Cb (210 parts per million by volume, corrected to 7% O₂). Therefore, each unit remains subject to the current NO_x emissions limit established under air construction Permit No. 0050031-011-AC (PSD-FL-129D).}

12. Carbon Monoxide (CO): As determined by the CEMS, the emission limit for CO contained in the gases discharged to the atmosphere from a designated facility is 250 parts per million by volume, corrected to 7% O₂ (dry basis), 24-hour block average (equivalent to a mass emission rate of 31.83 lb/hour). [40 CFR 60.34b(a), Table 3, Mass Burn Rotary Waterwall; and Rule 62-204.800(9)(b), F.A.C.]

13. Fugitive Ash Emissions: Fugitive ash emissions from each MWC shall be at least as protective as those requirements listed in 40 CFR 60.55b of NSPS Subpart Eb. [40 CFR 60.36b]

REPORTING AND RECORDKEEPING REQUIREMENTS

14. Annual Operating Report: The permittee shall submit an annual report that summarizes the actual operating hours and emissions from this facility in accordance with Rule 62-210.370, F.A.C. Annual operating reports shall be submitted to the Compliance Authority by April 1st of each year. [Rule 62-210.370(3), F.A.C.]

15. Initial Compliance Demonstration: Initial compliance tests shall be conducted within 60 days after achieving the maximum production rate at which each unit will be operated, but not later than 180 days after the initial startup. In accordance with the test methods specified in this permit, each unit's exhaust stack shall be tested to

SECTION 3. EMISSIONS UNITS SPECIFIC CONDITIONS

demonstrate compliance with the emission limits for PM, Cd, D/F, Pb, Hg, and HCl. For each test run, CO, SO₂ and NO_x emissions recorded by the required CEMS and visible emissions recorded by the required COMS shall be reported.

The permittee may use the most recent satisfactory stack test if the tests were conducted at 90% of the new permit capacity to meet the initial testing requirement.

[Rule 62-297.310(7)(a) and (b), F.A.C.; and 40 CFR 60.8]

16. Annual Compliance and Performance Testing:

- a. Performance testing methods shall be as listed in 40 CFR 60.58b of NSPS Subpart Eb, as applicable, except as provided for under 40 CFR 60.24(b)(2) of NSPS Subpart B and paragraphs (b) and (c) of this section. Annual testing (within 12 months from the previous year's annual test) is required for particulate matter, cadmium, lead, mercury, hydrogen chloride, and dioxin/furans.
- b. The alternative performance testing schedule for dioxins/furans specified in 40 CFR 60.58b(g)(5)(iii) of NSPS Subpart Eb, as applicable, is allowed for those designated facilities that achieve a dioxin/furan emission level less than or equal to 15 nanograms per dry standard cubic meter total mass, corrected to 7 percent oxygen.
- c. Reserved.

[Rules 62-210.200(Definitions) and 62-210.370(3), F.A.C. and 40 CFR 60.38b]

17. CEMS Annual Emissions Requirement: The owner or operator shall use data from the NO_x, SO₂ and CO CEMS when calculating annual emissions for purposes of computing actual emissions, baseline actual emissions, and net emissions increase, as defined at Rule 62-210.200, F.A.C., and for purposes of computing emissions pursuant to the reporting requirements of Rule 62-210.370(3), F.A.C., Annual Operating Report. In computing the emissions of a pollutant, the owner or operator shall account for the emissions during periods of startup and shutdown of each emissions unit. [Rules 62-210.200(Definitions) and 62-210.370(3), F.A.C.]

18. Actual Emissions Reporting: This permit is based on an analysis that compared projected actual emissions with baseline actual emissions and avoided the requirements of subsection 62-212.400(4) through (12), F.A.C. for several pollutants. For the first ten years after completing the authorized work on Units 1 and 2, the permittee shall submit an annual report. 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 10 years 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.
- b. The permittee shall report to the Department within 60 days after the end of each calendar year during the 10-year period setting out each 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 Rule 62-210.370, F.A.C.;
 - 3) If the emissions differ from the preconstruction projection, an explanation as to why there is a difference; and

SECTION 3. EMISSIONS UNITS SPECIFIC CONDITIONS

- 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 Rules 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.
- d. The permittee shall monitor and report for the following PSD Pollutants: CO, NO_x, SO₂, PM/PM₁₀, Pb, Hg, D/F and municipal waste combustor acid gases (measured as SO₂ and HCl).

See Appendix C for emissions computation and reporting requirements.

[Application 0050031-012-AC; and Rules 62-212.300(1)(e) and 62-210.370, F.A.C.]

19. Notification of Construction and Completion of Construction: The permittee shall notify the Permitting and Compliance Authorities upon starting of construction for each unit. After completion of construction, the P.E. of Record shall submit a report detailing the changes made during construction to achieve the rerating of each unit. Installation of the new fan blades is required prior to operating at the higher throughput rate. [Rule 62-4.070(3), F.A.C.]

OPERATING PRACTICES, TRAINING AND CERTIFICATION

20. Operating Practices: Operating practices of each MWC shall be at least as protective as those requirements listed in 40 CFR 60.53(b) and (c) of NSPS Subpart Eb. [40 CFR 60.34b(b)]

21. Operator Training and Certification: Operator training and certification for the each MWC shall be at least as protective as those requirements listed in 40 CFR 60.54b of NSPS Subpart Eb. Compliance with these requirements shall be in accordance with the schedule specified in 40 CFR 60.39b(c)(4). [40 CFR 60.35b]

SECTION 4. APPENDICES

Contents

- Appendix A. Citation Formats and Glossary of Common Terms
- Appendix B. General Conditions
- Appendix C. Common Conditions
- Appendix D. Common Testing Requirements

SECTION 4. APPENDIX A

Citation Formats and Glossary of Common Terms

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

AAQS: Ambient Air Quality Standard

acf: actual cubic feet

acfm: actual cubic feet per minute

ARMS: Air Resource Management System (DEP database)

SECTION 4. APPENDIX A

Citation Formats and Glossary of Common Terms

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

SECTION 4. APPENDIX A

Citation Formats and Glossary of Common Terms

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 4. APPENDIX B

General Conditions

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

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are “permit conditions” and are binding and enforceable pursuant to Sections 403.141, 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 of the noncompliance. The permittee shall be responsible for any and all damages which

SECTION 4. APPENDIX B

General Conditions

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 (not applicable); and
 - c. Compliance with New Source Performance Standards (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 4. APPENDIX B

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 4. APPENDIX C

Common Conditions

Unless otherwise specified by permit, the following conditions apply to all emissions units and activities at the facility.

EMISSIONS AND CONTROLS

1. Plant Operation - Problems: If temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by fire, wind or other cause, the permittee shall notify each Compliance Authority as soon as possible, but at least within one working day, excluding weekends and holidays. The notification shall include: pertinent information as to the cause of the problem; steps being taken to correct the problem and prevent future recurrence; and, where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the permittee from any liability for failure to comply with the conditions of this permit or the regulations. [Rule 62-4.130, F.A.C.]
2. Circumvention: The permittee shall not circumvent the air pollution control equipment or allow the emission of air pollutants without this equipment operating properly. [Rule 62-210.650, F.A.C.]
3. Excess Emissions Allowed: Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed 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.]

SECTION 4. APPENDIX C

Common Conditions

RECORDS AND REPORTS

10. 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 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

SECTION 4. APPENDIX C

Common Conditions

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.
- (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

SECTION 4. APPENDIX C

Common Conditions

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.
 - 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

SECTION 4. APPENDIX C

Common Conditions

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.

- (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.]

SECTION 4. APPENDIX D
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

SECTION 4. APPENDIX D
Common Testing Requirements

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.

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.

SECTION 4. APPENDIX D
Common Testing Requirements

- h. The names of individuals who furnished the process variable data, conducted the test, and prepared the 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.]

Livingston, Sylvia

From: Livingston, Sylvia
Sent: Thursday, July 22, 2010 4:24 PM
To: 'gogborn@baycountyfl.gov'
Cc: 'brookins@engenllc.com'; 'dbuff@golder.com'; 'forney.kathleen@epamail.epa.gov'; 'abrams.heather@epamail.epa.gov'; 'oquendo.ana@epa.gov'; 'victoria.gibson@dep.state.fl.us'; 'robert.bull@dep.state.fl.us'; Koerner, Jeff; 'elizabeth.walker@dep.state.fl.us'
Subject: Bay County Resource Recovery Facility - Bay County Waste-To-Energy; 0050031-012-AC
Attachments: 0050031-012-AC_Signatures.pdf

Dear Sir/ Madam:

Attached is the official **Notice of Final Permit** for the project referenced below. Click on the link displayed below to access the permit project documents and send a "reply" message verifying receipt of the document(s) provided in the link; this may be done by selecting "Reply" on the menu bar of your e-mail software, noting that you can view the documents, and then selecting "Send".

Note: We must receive verification that you are able to access the documents. Your immediate reply will preclude subsequent e-mail transmissions to verify accessibility of the document(s).

Click on the following link to access the documents:

http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf_permit_zip_files/0050031.012.AC.F_pdf.zip

Owner/Company Name: BAY COUNTY BOARD OF COUNTY COMMISSIONERS

Facility Name: BAY COUNTY WASTE-TO-ENERGY FACILITY

Project Number: 0050031-012-AC

Permit Status: FINAL

Permit Activity: CONSTRUCTION

Facility County: BAY

Processor: Robert Bull

The Bureau of Air Regulation is issuing electronic documents for permits, notices and other correspondence in lieu of hard copies through the United States Postal System, to provide greater service to the applicant and the engineering community. Access these documents by clicking on the link provided above, or search for other project documents using the "*Air Permit Documents Search*" website at <http://www.dep.state.fl.us/air/emission/apds/default.asp>.

Project documents that are addressed in this email may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible, and verify that they are accessible. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record. If you have any problems opening the documents or would like further information, please contact the Florida Department of Environmental Protection, Bureau of Air Regulation at (850)488-0114.

Sylvia Livingston
Division of Air Resource Management (DARM)
Department of Environmental Protection
850/921-9561
sylvia.livingston@dep.state.fl.us

Livingston, Sylvia

From: Livingston, Sylvia
Sent: Thursday, July 22, 2010 5:37 PM
To: 'brookinsr@engenllc.com'
Subject: FW: Bay County Resource Recovery Facility - Bay County Waste-To-Energy; 0050031-012-AC
Attachments: 0050031-012-AC_Signatures.pdf

From: Livingston, Sylvia
Sent: Thursday, July 22, 2010 4:24 PM
To: 'gogborn@baycountyfl.gov'
Cc: 'brookins@engenllc.com'; 'dbuff@golder.com'; 'forney.kathleen@epamail.epa.gov'; 'abrams.heather@epamail.epa.gov'; 'oquendo.ana@epa.gov'; 'victoria.gibson@dep.state.fl.us'; 'robert.bull@dep.state.fl.us'; Koerner, Jeff; 'elizabeth.walker@dep.state.fl.us'
Subject: Bay County Resource Recovery Facility - Bay County Waste-To-Energy; 0050031-012-AC

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http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf_permit_zip_files/0050031.012.AC.F_pdf.zip

Owner/Company Name: BAY COUNTY BOARD OF COUNTY COMMISSIONERS
Facility Name: BAY COUNTY WASTE-TO-ENERGY FACILITY
Project Number: 0050031-012-AC
Permit Status: FINAL
Permit Activity: CONSTRUCTION
Facility County: BAY
Processor: Robert Bull

The Bureau of Air Regulation is issuing electronic documents for permits, notices and other correspondence in lieu of hard copies through the United States Postal System, to provide greater service to the applicant and the engineering community. Access these documents by clicking on the link provided above, or search for other project documents using the "Air Permit Documents Search" website at <http://www.dep.state.fl.us/air/emission/apds/default.asp>.

Project documents that are addressed in this email may require immediate action within a specified time frame. Please open and review the document(s) as soon as possible, and verify that they are accessible. Please advise this office of any changes to your e-mail address or that of the Engineer-of-Record. If you have any problems opening the documents or would like further information, please contact the Florida Department of Environmental Protection, Bureau of Air Regulation at (850)488-0114.

Livingston, Sylvia

From: Glenn Ogborn [gogborn@baycountyfl.gov]
Sent: Friday, July 23, 2010 8:51 AM
To: Livingston, Sylvia
Subject: RE: Bay County Resource Recovery Facility - Bay County Waste-To-Energy; 0050031-012-AC

By this email I confirm that I have reviewed the linked documents

Glenn Ogborn

From: Livingston, Sylvia [Sylvia.Livingston@dep.state.fl.us]
Sent: Thursday, July 22, 2010 3:24 PM
To: Glenn Ogborn
Cc: brookins@engenllc.com; dbuff@golder.com; forney.kathleen@epamail.epa.gov; abrams.heather@epamail.epa.gov; oquendo.ana@epa.gov; Gibson, Victoria; Bull, Robert; Koerner, Jeff; Walker, Elizabeth (AIR)
Subject: Bay County Resource Recovery Facility - Bay County Waste-To-Energy; 0050031-012-AC

Dear Sir/ Madam:

Attached is the official **Notice of Final Permit** for the project referenced below. Click on the link displayed below to access the permit project documents and send a "reply" message verifying receipt of the document(s) provided in the link; this may be done by selecting "Reply" on the menu bar of your e-mail software, noting that you can view the documents, and then selecting "Send".

Note: We must receive verification that you are able to access the documents. Your immediate reply will preclude subsequent e-mail transmissions to verify accessibility of the document(s).

Click on the following link to access the documents:

http://ARM-PERMIT2K.dep.state.fl.us/adh/prod/pdf_permit_zip_files/0050031.012.AC.F_pdf.zip

Owner/Company Name: BAY COUNTY BOARD OF COUNTY COMMISSIONERS

Facility Name: BAY COUNTY WASTE-TO-ENERGY FACILITY

Project Number: 0050031-012-AC

Permit Status: FINAL

Permit Activity: CONSTRUCTION

Facility County: BAY

Processor: Robert Bull

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<http://www.dep.state.fl.us/air/emission/apds/default.asp>.

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Sylvia Livingston
Division of Air Resource Management (DARM)

Livingston, Sylvia

From: Buff, Dave [DBuff@GOLDER.com]
To: Livingston, Sylvia
Sent: Thursday, July 22, 2010 7:36 PM
Subject: Read: Bay County Resource Recovery Facility - Bay County Waste-To-Energy; 0050031-012-AC

Your message was read on Thursday, July 22, 2010 7:36:18 PM (GMT-05:00) Eastern Time (US & Canada).

Florida Department of
Environmental Protection

Memorandum

To: Joseph Kahn, Division Resource Management
Through: Trina Vielhauer, Bureau of Air Regulation
Jeff Koerner, New Source Review Section
From: Bobby Bull, New Source Review Section
Date: July 19, 2010
Subject: Final Minor Source Air Construction Permit
Project No. 0050031-012-AC
Bay County Utility Services, Bay County Resource Recovery Facility
Rerating of Units 1 and 2

The final permit for this project is attached for your approval and signature, which authorizes the applicant to rerate Units 1 and 2 from 245 tons per day per unit throughput to 255 tons per day per unit throughput. The work will be performed in Bay County at 6510 Bay Line Drive in Panama City, Florida. The project results in a minor source air construction permit and is not subject to PSD preconstruction review.

The attached Final Determination summarizes the publication and comment process. There are no pending petitions for administrative hearings or extensions of time in which to file a petition for an administrative hearing. I recommend your approval of the attached final permit for this project.

Attachments

TLV/jfk/rlb