Florida Department of Environmental Protection

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2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rick Scott
Governor

Herschel T. Vinyard Jr.
Secretary

PERMITTEE

Pasco County
Pasco County Resource Recovery Facility

Authorized Representative:
Mr. John Power, Solid Waste Manager

Permit Nos. 1010056-009-AC/PSD-FL-127C
Permit Expires: September 20, 2016

Air Construction Permit - Biosolids Combustion in Municipal Waste Combustor Unit Nos. 1, 2 & 3

Pasco County, Florida

PROJECT

This is the final air construction permit, which authorizes the combustion of biosolids in Municipal Waste Combustor Unit Nos. 1, 2 & 3. This facility is an existing municipal waste combustor plant categorized under Standard Industrial Classification No. 4953. This existing plant is located in Pasco County at 14230 Hays Road, Spring Hill. UTM Coordinates are: Zone 17, 422.3 km East and 2952.9 km North. Latitude is: 28° 22' 05" North; and, Longitude is: 82° 33' 30" West.

This final permit is organized into the following sections: Section I (General Information), Section II (Administrative Requirements) and Section III (Emission(s) Unit(s) Specific Conditions); and, Section IV (Appendices). Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section IV of this permit. [(If applicable) 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 <u>not</u> 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

for Jeffery F. Koerner, Program Administrator
Office of Permitting and Compliance
Division of Air Resource Management

JFK/sa/sms

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 the date indicated below to the persons listed below.

Mr. John Power, Solid Waste Manager, Pasco County: jpower@pascocountyfl.net
Mr. Jason M. Gorrie, P.E., Covanta: jgorrie@covantaenergy.com
Ms. Kelley Boatwright, DEP SWD: kelley.boatwright@dep.state.fl.us
Ms. Cindy Mulkey, DEP Siting Office: cindy.mulkey@dep.state.fl.us
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Ms. Heather Ceron, U.S. EPA Region 4: ceron.heather@epa.gov
Ms. Katy R. Forney, U.S. EPA Region 4: forney.kathleen@epa.gov
Ms. Lynn Scearce, DEP OPC: lynn.scearce@dep.state.fl.us (for reading file)

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.

FACILITY DESCRIPTION

The Pasco County Resource Recovery Facility has a nameplate rating of 1,050 tons per day (TPD) of non-recycled waste at 4,800 Btu/lb, which it converts into saleable energy. It produces up to 31.2 megawatts (MW) of electricity daily. The facility is owned by Pasco County, and was designed and built, and is currently operated by Covanta Energy Group.

Also located at the facility are miscellaneous unregulated/insignificant emissions units and/or activities.

FACILITY REGULATORY CLASSIFICATION

- This facility is a major source of hazardous air pollutants (HAP).
- This facility does not operate units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is a major stationary source in accordance with Rule 62-212.400 (PSD), F.A.C.

PROPOSED PROJECT

The applicant applied on May 21, 2013, to the Department for a minor source air construction permit. The minor source air construction permit is for the combustion of biosolids in Municipal Waste Combustor (MWC) Units 1, 2 & 3.

The applicant requested the authorization to combust "biosolids" (treated sewage sludge) formerly known as "domestic wastewater residuals" in the Department's domestic wastewater treatment rule, Chapter 62-640, F.A.C. The applicant requested to combust biosolids (includes Class B, A and AA biosolids) that are not liquid biosolids.

The MWC Unit Nos. 1-3 have a total charging rate of 1,050 TPD of municipal solid waste (MSW). The applicant requested a maximum of 5% biosolids on an as received (i.e., wet) basis to be combusted in the MWC units. This is equivalent to a maximum mass of 50 tons per day (TPD) facility-wide.

PROCESSING SCHEDULE AND RELATED DOCUMENTS

Minor Source Air Construction Permit Application received from Pasco County on May 21, 2013.

SECTION II. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Office of Permitting and Compliance, Division of Air Resource Management, Florida Department of Environmental Protection (Department). The mailing address for the Office of Permitting and Compliance is 2600 Blair Stone Road (MS #5505), Tallahassee, Florida 32399-2400.

2. Compliance Authority: All documents related to compliance activities, such as reports, tests, and notifications, shall be submitted to the Department's Southwest District at: 13051 N. Telecom Parkway, Temple Terrace, Florida 33637-0926, Telephone: (813) 632-7600, Fax: (813) 632-7665.

3. Appendices: The following Appendices are attached as a part of this permit: Appendix A (Citation Formats and Glossary of Common Terms); Appendix B (General Conditions); Appendix C (Common Conditions); Appendix D (40 CFR 61 Subpart A, NESHAP General Provisions); and, Appendix E (40 CFR 61 Subpart E, NESHAP for Mercury).

4. Applicable Regulations, Forms and Application Procedures: Unless otherwise specified in this permit, the construction and operation of the subject emissions units shall be in accordance with the capacities and specifications stated in the application. The facility is subject to all applicable provisions of: Chapter 403, F.S.; and, Chapters 62-4, 62-204, 62-210, 62-212, 62-213, 62-296 & 62-297, F.A.C. Issuance of this permit does not relieve the permittee from compliance with any applicable federal, state, or local permitting or regulations.

5. New or Additional Conditions: For good cause shown and after notice and an administrative hearing, if requested, the Department may require the permittee to conform to new or additional conditions. The Department shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the Department may grant additional time. [Rule 62-4.080, F.A.C.]

6. Modifications: The permittee shall notify the Compliance Authority upon commencement of construction. No new emissions unit shall be constructed and no existing emissions unit shall be modified without obtaining an air construction permit from the Department. Such permit shall be obtained prior to beginning construction or modification. [Rules 62-210.300(1) & 62-212.300(1)(a), F.A.C.]

7. Source Obligation: At such time that a particular source or modification becomes a major stationary source or major modification (as these terms were defined at the time the source obtained the enforceable limitation) solely by exceeding its projected actual emissions, then the requirements of subsections 62-212.400(4) through (12), F.A.C., shall apply to the source or modification as though construction had not yet commenced on the source or modification. [Rule 62-212.400(12), F.A.C.]

8. Application for Title V Air Operation Permit: This permit authorizes modification of the permitted emissions units. A Title V air operation permit is required for regular operation of the permitted emissions units. The permittee shall apply for a Title V air operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after submitting the last initial compliance demonstration test report or 180 days after demonstrating initial compliance and introduction of biosolids during normal operation, whichever comes later. To apply for a Title V air 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 & 62-213, F.A.C.]

This section of the permit addresses the following emissions units.

E.U. ID No.	Brief Description
001	Municipal Waste Combustor Unit 1
002	Municipal Waste Combustor Unit 2
003	Municipal Waste Combustor Unit 3

Affected Emissions Units: Municipal Solid Waste Combustor Unit Nos. 1, 2 and 3 (E.U. ID Nos. 001, 002, & 003)

The original Permit No. PSD-FL-127 (1988) authorized the construction of municipal solid waste combustor Unit Nos. 1, 2 & 3. The PSD permit specifically prohibited the use of sewage sludge as an allowable fuel. This permit removes the prohibition from the PSD permit and authorizes the combustion of biosolids that are not liquid biosolids in municipal solid waste combustor Unit Nos. 1, 2 and 3 as an allowable non-MSW fuel received as a segregated material. No new equipment is necessary to fire biosolids that are not liquid biosolids.

Biosolids from the domestic wastewater treatment plants in the Pasco County municipal area are planned to be combusted in municipal solid waste combustor Unit Nos. 1, 2 and 3.

PREVIOUS APPLICABLE REQUIREMENTS

1. Effect on Other Permits: The conditions of this permit supplement all previously issued air construction and operation permits for these emissions units. Unless otherwise specified, these conditions are in addition to all other applicable permit conditions and regulations. [Rule 62-4.070, F.A.C.]

AUTHORIZATION TO COMBUST BIOSOLIDS

2. Authorization to Combust Biosolids: The owner or operator is authorized to combust biosolids (includes Class B, A and AA biosolids) that are not liquid biosolids in municipal solid waste combustor Unit Nos. 1, 2 and 3 as an allowable non-MSW fuel received as a segregated material. "**Biosolids**" and "**liquid biosolids**" under this permit are specifically described in Rule 62-640.200(6)&(28), F.A.C. and are defined as follows:

   62-640.200 Definitions.

   "**Biosolids**" means the solid, semisolid, or liquid residue generated during the treatment of domestic wastewater in a domestic wastewater treatment facility, formerly known as "domestic wastewater residuals" or "residuals." Not included is the treated effluent or reclaimed water from a domestic wastewater treatment plant. Also not included are solids removed from pump stations and lift stations, screenings and grit removed from the preliminary treatment components of domestic wastewater treatment facilities, other solids as defined in subsection 62-640.200(31), F.A.C., and ash generated during the incineration of biosolids. Biosolids include products and treated material from biosolids treatment facilities and septage management facilities regulated by the Department.

   "**Liquid biosolids**" means any biosolids that are less than 12% solids by weight, or that are determined to contain free liquids as defined by Method 9095B (Paint Filter Liquids Test), November 2004, as described in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods" (EPA Pub. No. SW-846), January 3, 2008, 73 FR 486, which is hereby adopted and incorporated by reference and is available from the Department of Environmental Protection, Domestic Wastewater Section, M.S. 3540, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400 or any of the Department's District Offices.

   "Liquid biosolids" as defined in Rule 640.200, F.A.C., shall not be unloaded onto the tipping floor or combusted in the municipal solid waste combustor Unit Nos. 1, 2 and 3.

   [Application No. 1010056-009-AC; Rule 62-210.200, *Definitions - Potential to Emit (PTE)*, F.A.C.; and, Rule 62-4.070(1)&(3), *Reasonable Assurance*, F.A.C.]

3. Post Biosolids Combustion Trial Period: After successfully demonstrating initial compliance while combusting biosolids and after submitting the test reports required in Specific Condition Nos. III.8., 9., & 10., the Pasco County RRF is authorized to combust biosolids in the amount of up to 5% of the municipal

solid waste combustor Unit Nos. 1, 2 and 3 loading rates on an as received (i.e., wet) basis not to exceed 50 TPD facility-wide, averaged monthly. [Application No. 1010056-009-AC; Rule 62-210.200, *Definitions - Potential to Emit (PTE)*, F.A.C.; and, Applicant Request.]

4. 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.]

5. Biosolids Operation Practices: To ensure good mixing with MSW, operators shall use best management practices when firing biosolids as defined in the plant's Biosolids Training Plan. [Application No. 1010056-009-AC; Rule 62-4.070(1)&(3), *Reasonable Assurance*, F.A.C.; Rule 62-4.030, *General Prohibition*, F.A.C.; and, Rule 62-4.210, *Construction Permits*, F.A.C.]

OPERATOR TRAINING

6. Biosolids Training Plan: The owner or operator shall develop a training plan that defines the best management practices in handling, storage and combustion of biosolids in the municipal solid waste combustor Unit Nos. 1, 2 and 3. Operators shall be trained in accordance with this plan prior to the handling, storing, and combusting biosolids.

   The training plan shall identify the practices that promote good mixing and combustion, such as:

   > The operator will spread biosolids with the crane grapple over the top of MSW in the waste storage bunker. Other MSW may be spread over the top of the biosolids. All mixing will take place in the waste storage bunker. Biosolids will not be placed on the tipping floor, or alone, in a waste storage bunker. Well-mixed (combined) materials will be fed directly into the combustor feed hopper. Alternately, mixing may occur on the tipping floor using a wheeled front-end loader if it is determined that such mixing of biosolids with MSW can be performed more effectively than using the crane grapple. In such case, the mixed MSW and biosolids will then be placed in the waste storage bunker along with other MSW.

   To the extent practicable, biosolids shall not come in contact with delivery truck tires or front-end loader wheels.

   As the plant gains experience with the handling and storing of biosolids, the Biosolids Training Plan shall be updated to reflect current best management practices. Updates to the Biosolids Training Plan will supersede any contradictory language contained in this permit specific condition only regarding the handling and storing of biosolids at the facility. Updates related to the combusting of biosolids shall be approved by the Department before implementation.

   The training plan shall be kept on site and made available for inspection upon request.

   [Application No. 1010056-009-AC; Rule 62-4.070(1)&(3), *Reasonable Assurance*, F.A.C.; Rule 62-4.030, *General Prohibition*, F.A.C.; and, Rule 62-4.210, *Construction Permits*, F.A.C.]

BIOSOLIDS COMBUSTION TRIAL PERIOD - INITIAL COMPLIANCE DEMONSTRATION (TESTING) WHILE COMBUSTING BIOSOLIDS

7. Notification of Commencement of Combustion of Biosolids: The owner or operator shall notify the permitting and compliance authorities upon commencement of combustion of biosolids in the municipal solid waste combustor Unit Nos. 1, 2 and 3. [Application No. 1010056-009-AC; and, Rule 62-4.070(1)&(3), *Reasonable Assurance*, F.A.C.]

8. Initial Compliance Demonstration - Stack Test Data: The initial compliance demonstration while combusting biosolids shall be performed for PM and the individual MWC metals (e.g., cadmium (Cd), lead (Pb) and mercury (Hg)) using stack test data. All of the stack tests while combusting biosolids shall be performed on

either MWC Unit No. 1, 2 or 3. Three, 1-hour stack test runs shall be conducted for each air pollutant (e.g., PM, Cd, Pb and Hg) while combusting biosolids. The average of the three stack test runs shall be compared to the existing emission standards/limits. A summary of the stack tests and results while combusting biosolids shall be submitted in a test report to the permitting and compliance authorities. In a summary of the test report, the permittee shall compare the results to when biosolids are not combusted in MWC units and to evaluate & report any changes in emissions.

The test report shall include the rate (mass) at which biosolids were combusted during testing.

A representative analysis of the biosolids combusted during testing shall be provided with the test report. The analysis shall include: a. the source(s) of the biosolids; b. the classification type of the biosolids, e.g., Class A, B or AA; and, c. the analytical results from the source of the biosolids showing the metal constituents, % solids by weight, and pathogen results.

The carbon injection rate during Hg stack testing shall be included in the test report.

{Permitting note: The permittee can also include statistical analyses of the compliance test results in the test report.}

[Application No. 1010056-009-AC; Rule 62-297.310(7), *Special Compliance Tests*, F.A.C.; Rule 62-4.070(1)&(3), *Reasonable Assurance*, F.A.C.; Rule 62-4.030, *General Prohibition*, F.A.C.; and, Rule 62-4.210, *Construction Permits*, F.A.C.]

9. Initial Compliance Demonstration - COMS Data: The initial compliance demonstration while combusting biosolids in each MWC unit shall be performed for VE using COMS data. COMS data shall be from the same time period as the PM stack test. While combusting biosolids, a total of 3 hours of emissions data shall be used from the COMS. The emissions data shall be reduced to the averaging time(s) as specified in the current valid Title V air operation permit, Permit No. 1010056-008-AV. The results shall be compared to the existing emission standards/limits. A summary of the emissions data from the COMS while combusting biosolids shall be submitted in a test report to the permitting and compliance authorities. In a summary of the test report, the permittee shall compare the results to when biosolids are not combusted in MWC units and to evaluate & report any changes in emissions.

   The test report shall include the rate (mass) at which biosolids were combusted during testing.

   A representative analysis of the biosolids combusted during testing shall be provided with the test report. The analysis shall include: a. the source(s) of the biosolids; b. the classification type of the biosolids, e.g., Class A, B or AA; and, c. the analytical results from the source of the biosolids showing the metal constituents, % solids by weight, and pathogen results.

   [Application No. 1010056-009-AC; Rule 62-4.070(1)&(3), *Reasonable Assurance*, F.A.C.; Rule 62-4.030, *General Prohibition*, F.A.C.; and, Rule 62-4.210, *Construction Permits*, F.A.C.]

10. Initial Compliance Demonstration - CEMS Data: The initial compliance demonstration while combusting biosolids in each MWC unit shall be performed for SO_2, NOx and CO using CEMS data. At least 24 hours of CEMS data shall be collected while combusting biosolids to demonstrate compliance with the CO, SO_2 and NOx emissions standards. The periods of time in which the data is collected shall be the same periods of time for CO, NOx, and SO_2 emissions and each time period shall be no less than 4 continuous hours. The emissions data shall be reduced to the averaging time(s) as specified in the current valid Title V air operation permit, Permit No. 1010056-008-AV. The results shall be compared to the existing emission standards/limits. A summary of the emissions data from the SO_2, NOx and CO CEMS while combusting biosolids shall be submitted in a test report to the permitting and compliance authorities. In a summary of the test report, the permittee shall compare the results to when biosolids are not combusted in MWC units and to evaluate & report any changes in emissions.

    The test report shall include the rate (mass) at which biosolids were combusted during testing.

    A representative analysis of the biosolids combusted during testing shall be provided with the test report. The analysis shall include: a. the source(s) of the biosolids; b. the classification type of the biosolids, e.g.,

Class A, B or AA; and, c. the analytical results from the source of the biosolids showing the metal constituents, % solids by weight, and pathogen results.

The ammonia injection rate during NOx testing shall be included in the test report.

[Application No. 1010056-009-AC; Rule 62-4.070(1)&(3), *Reasonable Assurance*, F.A.C.; Rule 62-4.030, *General Prohibition*, F.A.C.; and, Rule 62-4.210,*Construction Permits*, F.A.C.]

11. Test Methods and Procedures: The test methods and procedures specified in the current valid Title V air operation permit, Permit No. 1010056-008-AV shall be used for the initial compliance demonstration while combusting biosolids in the municipal solid waste combustor Unit Nos. 1, 2 and 3. [Application No. 1010056-009-AC; Rule 62-4.070(1)&(3), *Reasonable Assurance*, F.A.C.; Rule 62-4.030, *General Prohibition*, F.A.C.; and, Rule 62-4.210, *Construction Permits*, F.A.C.]

REPORTING

12. Special Report on the Effects of the Combustion of Biosolids: The owner or operator shall submit a special report on the effects of the combustion of biosolids on plant equipment, air pollution control devices & systems, the COMS and the CEMS. In the report the owner or operator shall indicate whether or not there have been any observed effects on plant equipment, air pollution control devices & systems, the COMS and the CEMS from the combustion of biosolids. This special report shall be submitted to the permitting and compliance authorities within one year of performing the initial compliance demonstration. [Application No. 1010056-009-AC; Rule 62-4.070(1)&(3), *Reasonable Assurance*, F.A.C.; Rule 62-4.030, *General Prohibition*, F.A.C.; and, Rule 62-4.210, *Construction Permits*, F.A.C.]

RECORDKEEPING

13. Biosolids Recordkeeping: For each month when biosolids are combusted, the owner or operator shall keep a record of the following on-site:
    a. the source of the biosolids;
    b. the classification type of biosolids, e.g., Class A, B or AA; and,
    c. the analytical results from the source of the biosolids showing: the metal constituents; % solids by weight, and pathogen results.

    {Permitting note: Sources of biosolids perform analyses under Chapter 640, F.A.C.}
    [Application No. 1010056-009-AC; Rule 62-4.070(1)&(3), *Reasonable Assurance*, F.A.C.; Rule 62-4.030, *General Prohibition*, F.A.C.; and, Rule 62-4.210, *Construction Permits*, F.A.C.]

14. Records and Reporting of Quantities of Biosolids Combusted: The permittee shall keep records on-site of the total quantity of biosolids combusted in the MWC units. The total annual quantity of biosolids combusted in the MWC units shall be reported in the AOR. [Application No. 1010056-009-AC; Rule 62-4.070(1)&(3), *Reasonable Assurance*, F.A.C.; Rule 62-4.030, *General Prohibition*, F.A.C.; and, Rule 62-4.210, *Construction Permits*, F.A.C.]

15. Records Availability: All records shall be made available to the Department upon request. [Application No. 1010056-009-AC; Rule 62-4.070(1)&(3), *Reasonable Assurance*, F.A.C.; Rule 62-4.030, *General Prohibition*, F.A.C.; and, Rule 62-4.210, *Construction Permits*, F.A.C.]

NESHAP 40 CFR 61, SUBPARTS A & E REQUIREMENTS

16. NESHAP 40 CFR 61 Requirements - Subpart A. The MWCs when combusting biosolids shall comply with all applicable requirements of 40 CFR 61, Subpart A, General Provisions, which have been adopted by reference in Rule 62-204.800(10)(d), F.A.C., except for 40 CFR 61.08 and except that the Secretary is not the Administrator for the purposes of 40 CFR 61.04, 40 CFR 61.11, and 40 CFR 61.18. In lieu of the process set forth in 40 CFR 61.08, the Department will follow the permit processing procedures of Rule 62-4.055, F.A.C. The MWCs when combusting biosolids shall comply with all applicable provisions of Appendix C. 40 CFR 61 Subpart A - General Provisions included with this permit. [Rule 62-204.800(10)(d), F.A.C.]

17. NESHAP 40 CFR 61 Requirements - Subpart E. The MWCs when combusting biosolids shall comply with all applicable requirements of 40 CFR 61, Subpart E, National Emission Standards for Hazardous Air

Pollutants for Mercury, which have been adopted by reference in Rule 62-204.800(10)(b)3., F.A.C., except that the term "Administrator," when used in any provision of 40 CFR Part 61 that is delegated to the Department by the U.S. Environmental Protection Agency, shall mean the Secretary or the Secretary's designee. The MWCs when combusting biosolids shall comply with all applicable provisions of Appendix D. 40 CFR 61 Subpart E - NESHAP for Mercury included with this permit. [Rule 62-204.800(10)(a) & (b)3., F.A.C.]

18. Monitoring and Testing Requirements. The existing applicable continuous monitoring requirements, test methods and procedures for MWC Units 1, 2, and 3 are contained in the current valid Title V air operation permit, Permit No. 1010056-008-AV and are not changed by this permit. The Department approves the use of EPA Method 29 as an alternative test method in lieu of EPA Method 101A to demonstrate compliance with the additional mercury emission limiting standard specified in the NESHAP 40 CFR 61 Subpart E. The applicant is authorized to use the mercury test frequencies and procedures already required for the MWC Units 1, 2, and 3 pursuant to the Department's MWC Rule and 40 CFR 60, Subpart Cb and incorporated in the facility Title V air operation permit. [Application No. 1010056-009-AC; 40 CFR 61, Subpart E, 40 CFR 61.13(h)(1)(ii); and, Rule 62-204.800(10)(b)3., F.A.C.]

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

This facility has MWC (municipal waste combustor) type emissions units that are subject to the emission standards and limitations under the May 10, 2006 federal amendments to the 40 CFR 60 Subparts Cb.

Permit Being Modified: 1010056-007-AC/PSD-FL-127B
Affected Emissions Units: Municipal Waste Combustor Unit Nos. 1, 2 & 3 (E.U. ID Nos. 001, 002 & 003)

The affected specific conditions from 1010056-007-AC/PSD-FL-127B are hereby changed as follows (the remainder of the permit remains unchanged as a result of this permitting action):

Specific Condition 3.11.b.(1)(g)

Subparagraph "(g)" is deleted in Specific Condition 3.11.b. where other specific materials/items/wastes are prohibited, as follows:

b. Unauthorized Fuels: Subject to the limitations contained in this permit, the authorized fuels for the facility also include the other solid wastes that are not MSW which are described in d. through f., below. However, the facility:

(1) Shall not burn:

…

~~(g) Sewage sludge;~~

…

A new paragraph is inserted (added) following subparagraph e. in Specific Condition 3.11. pertaining to waste tires as follows:

e. Waste Tires: Subject to the conditions and limitations contained in this permit, waste tires may be used as fuel at the facility. …

…

Biosolids (includes Class B, A and AA biosolids) that are not Liquid Biosolids. Subject to the conditions and limitations contained in this permit, biosolids that are not liquid biosolids may be used as fuel at the facility (i.e., an authorized fuel that is a segregated non-MSW material). The total quantity of biosolids that are not liquid biosolids received as segregated loads and burned at the facility shall not exceed 5%, by weight, of the facility's total fuel. Compliance with this limitation shall be determined on a calendar month basis.

"**Biosolids**" and "**liquid biosolids**" under this permit are specifically described in Rule 62-640.200(6)&(28), F.A.C. and are defined as follows:

62-640.200 Definitions.

"**Biosolids**" means the solid, semisolid, or liquid residue generated during the treatment of domestic wastewater in a domestic wastewater treatment facility, formerly known as "domestic wastewater residuals" or "residuals." Not included is the treated effluent or reclaimed water from a domestic wastewater treatment plant. Also not included are solids removed from pump stations and lift stations, screenings and grit removed from the preliminary treatment components of domestic wastewater treatment facilities, other solids as defined in subsection 62-640.200(31), F.A.C., and ash generated during the incineration of biosolids. Biosolids include products and treated material from biosolids treatment facilities and septage management facilities regulated by the Department.

"**Liquid biosolids**" means any biosolids that are less than 12% solids by weight, or that are determined to contain free liquids as defined by Method 9095B (Paint Filter Liquids Test), November 2004, as described in "Test Methods for Evaluating Solid Wastes, Physical/Chemical Methods" (EPA Pub. No. SW-846), January 3, 2008, 73 FR 486, which is hereby adopted and incorporated by reference and is available from

the Department of Environmental Protection, Domestic Wastewater Section, M.S. 3540, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400 or any of the Department's District Offices.

"Liquid biosolids" as defined in Rule 640.200, F.A.C., shall not be unloaded onto the tipping floor or combusted in the municipal solid waste combustor Unit Nos. 1, 2 and 3.

Subparagraph f. in Specific Condition 3.11. is renumbered to "g." as follows:

~~f~~g. Non-MSW Material: Subject to the conditions and limitations contained in this permit, the following other solid waste materials …

…