November 1, 2013

CERTIFIED MAIL NO. 7000 0600 0025 3505 6555
RETURN RECEIPT REQUESTED

PERMITTEE

United States Department of Agriculture (USDA)
Animal and Plant Health Inspection Service (APHIS)
P.O. Box 660657
Miami Springs, FL 33266

Authorized Representative:
Mr. Robert Gaudreau, Facility Manager

Air Permit No. 0250390-010-AC
Permit Expires: October 31, 2014

USDA-APHIS
Minor Source Air Construction Permit
Project: Designation of the Two (2) Existing Incinerator Units as Biological Waste Incinerators and Modification of the Current HCl Emissions Limit.

PROJECT

This is the final air construction permit No. 0250390-010-AC, for the designation of the two (2) existing incinerator units as Biological Waste Incinerators and modification of the current hydrochloric acid (HCl) emissions limit. The facility engages in the incineration of biological waste which includes mainly manure, animal bedding, plant material and the occasional animal cremation.
(Standard Industrial Classification No. 4953 & 9641; NAICS Code Number 562213 & 92614).
The Lat./Long. coordinates are 25° 48' 24" N / 80° 17' 48" W.

This final permit is organized by the following sections.

Section 1. General Information

Section 2. Administrative Requirements

Section 3. Emissions Unit Specific Conditions

Section 4. Appendices

Because of the technical nature of the project, the permit contains numerous acronyms and abbreviations, which are defined in Appendix A of Section 4 of this permit.

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.). The permittee is authorized to conduct the proposed work in accordance with the conditions of this permit. 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.

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 Miami-Dade County Department of Regulatory and Economic Resources (RER), Division of Environmental Resources Management, Air Quality Management.

Executed in Miami, Florida

_____ _____

H. Patrick Wong, Chief (Date)
Air Quality Management

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 certified U.S. mail and/or 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 _____ to the persons listed below.

Robert Gaudreau, Facility Manager, P.O. Box 660657, Miami Springs, FL 33266
Eugene Schaltenbrand, P.E., 11501 NW 30 Street, Coral Springs, FL 33065
Joe Lurix, Florida Department of Environmental Protection, Southeast District Office
[Joe.Lurix@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) (Date)

FACILITY AND PROJECT DESCRIPTION

Proposed Project

The applicant is requesting an air construction permit to designate the two (2) existing incineration units as Biological Waste Incinerators. The applicant is also requesting to reduce the permitted hydrochloric acid (HCl) emissions limit of the two (2) existing incinerator units from 4.0 lbs/hr to 3.0 lbs/hr.

This project will affect the following existing emissions unit(s).

Facility ID No. 0250390

ID No.	Project Description
004	One (1) EPA Technologies Biological Waste Incinerator at the Plant Produce Quarantine Facility (PPQ)
005	One (1) EPA Technologies Biological Waste Incinerator at the Veterinary Services Facility (VS)

FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility has no units subject to the acid rain provisions of the Clean Air Act (CAA).
- The facility is not a Title V major source of air pollution in accordance with Chapter 213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.
- This facility is a Synthetic Non-Title V minor source.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Miami-Dade County Department of Regulatory and Economic Resources (RER), Division of Environmental Resources Management, Air Quality Management. The RER's mailing address is: 701 NW 1 Court, Suite 400, Miami, Florida 33136. The RER's telephone number is 305/372-6925.
   All documents related to applications for permits to operate an emissions unit shall be submitted to the RER Air Quality Management.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the RER, Division of Environmental Resources Management, Air Quality Management. The mailing address of the RER Air Quality Management is: 701 NW 1 Court, Suite 400, Miami, Florida 33136. The RER's Division of Environmental Resources Management, Air Quality Management's telephone number is 305/372-6925.

3. Appendices: The following Appendices are attached as part of this permit:
   a. Appendix A. Citation Formats and Glossary of Common Terms;
   b. Appendix B. General Conditions;
   c. Appendix C. Common Conditions;
   d. Appendix D. Common Testing Requirements. (if applicable)

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. and Chapter 24, Code of Miami Dade County. 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 RER or Florida Department of Environmental Protection (FDEP) may require the permittee to conform to new or additional conditions. The RER or FDEP shall allow the permittee a reasonable time to conform to the new or additional conditions, and on application of the permittee, the RER or FDEP may grant additional time.
   [Rule 62-4.080, F.A.C.]

6. Modifications: The permittee shall notify the RER 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 RER. Such permit shall be obtained prior to beginning construction or modification.
   [Rules 62-210.300(1) and 62-212.300(1)(a), F.A.C.]

7. Source Obligation:
   (a) 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 virtue of a relaxation in any enforceable limitation which was established after August 7, 1980, on the capacity of the source or modification otherwise to emit a pollutant, such as a restriction on hours of operation, 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.

(b) 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 Air Operation Permit: This permit authorizes construction and/or installation of the permitted emission unit(s) and initial operation to determine compliance with the FDEP and the RER rules. **An operation permit is required for regular operation of the permitted emission units.** The owner or operator shall apply for and receive an operation permit prior to expiration of this permit. An application for an operation permit shall be submitted to the Miami-Dade County Regulatory and Economic Resources, Division of Environmental Resources Management, Air Quality Management. To apply for an operation permit, the applicant shall submit the appropriate application fee and, in triplicate, the appropriate application form, a certification that construction was completed with a notation of any deviations from the conditions on the construction permit, compliance test results, and such additional information as the RER may by law require.
[Rule 62-4.030, 62-4.050, 62-4.220, and 62-210.300 F.A.C.]

9. Extension of This Permit: The expiration date of this construction permit may be extended upon request of the owner or operator and submission of the appropriate fee to the Miami-Dade County, Regulatory and Economic Resources, Division of Environmental Resources Management, Air Quality Management **at least 60 days prior** to the expiration date of this permit.
[Rule 62-4.030, 62-4.050, 62-4.070(3), and 62-4.220 F.A.C.]

10. Annual Report Required: The Annual Operating Report (DEP Form No. 62-210.900(5)) shall be completed each year and submitted to the Miami-Dade County, Regulatory and Economic Resources, Air Quality Management office or submitted electronically to the Florida Department of Environmental Protection by April 1 of the following year.
[Rule 62-210.370(3) F.A.C.]

11. Waste Disposal: The owner or operator shall treat, store, and dispose of all liquid, solid and hazardous wastes in accordance with all applicable Federal, State and Local regulations.

This section of the permit addresses the following emissions unit.

Facility ID No. 0250390

ID No.	Project Description
004	One (1) EPA Technologies Biological Waste Incinerator (PPQ Facility) Model No. EPAT-3.0 Maximum Charge Rate: 500 lb/hr Fuel: Natural Gas
005	One (1) EPA Technologies Biological Waste Incinerator (VS Facility) Model No. EPAT-3.0 Maximum Charge Rate: 500 lb/hr Fuel: Natural Gas

1. **This permit supersedes previously issued Air Construction Permit No. 0250390-007-AC**

EQUIPMENT

2. Equipment Name: The applicant requests an air construction permit to designate the two (2) existing incineration units as Biological Waste Incinerators. The applicant is also requesting to reduce the permitted hydrochloric acid (HCl) emissions limit of the two (2) existing incinerator units from 4.0 lbs/hr to 3.0 lbs/hr.
[Application No. 0250390-010-AC]

PERFORMANCE RESTRICTIONS AND EMISSIONS STANDARDS

3. Visible Emissions: Visible emissions shall not exceed five percent (5%) opacity, six (6) minute average, except that visible emissions not exceeding fifteen (15%) percent opacity shall be allowed for up to six (6) minutes in any one (1) hour period.
[Rule 62-296.401(4)(b)1 F.A.C.]

4. Operating Rate Restriction: The incinerator operating rate shall not exceed 500 pounds per batch incineration cycle of one (1) hour.
[Rule 62-4.070(3) F.A.C.]

5. Hydrochloric Acid Emissions: Hydrochloric Acid (HCl) emissions shall not exceed 3.0 pounds per hour.
[Application No. 0250390-010-AC]

6. Carbon Monoxide Emissions: Carbon Monoxide (CO) emissions shall not exceed 100 parts per million by volume, dry basis, corrected to 7% O_2 on an hourly average basis.
[Rule 62-296.401(4)(b)5 F.A.C.]

7. Particulate Matter Emissions: Particulate Matter emissions shall not exceed 0.100 grains per dry standard cubic foot of flue gas, corrected to 7% O_2.
[Rule 62-296.401(4)(b)(2)a F.A.C.]

8. Hours of Operation: The combined total hours of operation of units EU #004 and EU#005 shall not exceed 6,300 hrs/year.
[Rule 62-4.070(3) F.A.C.]

9. Incinerator Design/Operating Requirements: All biological waste incineration units, shall be constructed and operated with a combustion zone design temperature of no less than 1800 degrees Fahrenheit for at least a 1.0 second gas residence time in the secondary (or last) combustion chamber. The primary chamber and stack volumes shall not be utilized in calculating this residence time.
[Rule 62-296.401(4)(c)1 F.A.C.]

10. Mechanically Fed Incinerator Requirements: Mechanically fed units shall incorporate an air lock system to prevent opening the incinerator to the room environment. The volume of the loading system shall be designed to prevent overcharging, thereby assuring complete combustion of the waste.
[Rule 62-296.401(4)(c)2 F.A.C.]

11. Incinerator Ignition Requirements: Incineration or ignition of waste shall not begin until the secondary (or last) combustion chamber temperature requirement is attained. All air pollution control and continuous emission monitoring equipment shall be operational and functioning properly prior to the incineration or ignition of waste and until all the wastes are incinerated. The secondary (or last) combustion chamber temperature requirement (1600°F) shall be maintained until the wastes are completely combusted.
[Rule 62-296.401(4)(c)3 F.A.C.]

12. Radioactive Waste Restrictions: The owner or operator is advised to contact the State of Florida Department of Health regarding requirements that may apply to any proposed burning of radioactive waste.
[Rule 62-296.401(4)(c)4 F.A.C.]

13. Hazardous Waste Restrictions: The owner or operator is advised to contact the State of Florida Division of Waste Management regarding requirements that may apply to any proposed burning of hazardous waste.
[Rule 62-296.401(4)(c)5 F.A.C.]

14. Fuel Restrictions: Fuel used shall be limited to natural gas.
[Rule 62-4.070(3) F.A.C.]

Compliance Monitoring and Recordkeeping Requirements

15. Testing Procedures: Test procedures shall conform to the procedures specified in Rule 62-297.310, F.A.C. All test results shall be reported to the RER in accordance with the provisions of Rule 62-297.310, F.A.C.
[Rule 62-296.401(4)(d)6 & 62-4.070(3) F.A.C.]

16. Visible Emissions Testing: The owner or operator of any biological waste incineration unit with capacity equal to or less than 500 lbs/hr shall have a performance test conducted for visible emissions prior to submitting the application for an initial operation permit and annually thereafter. The test method for visible emissions shall be EPA Method 9 as described in 40 CFR 60 Appendix A, adopted and incorporated by reference in Rule 62-204.800 F.A.C.
[Rules 62-296.401(4)(e)1a; 62-296.401(4)(d)1 F.A.C.]

17. Particulate Matter Emissions Testing: The owner or operator of any biological waste incineration unit with capacity equal to or less than 500 lbs/hr shall have a performance test conducted for particulate matter prior to submitting the application for an initial or renewal of the air operation permit. The reference test method for particulate matter emissions shall be EPA Method 5 or 26A, as described in 40 CFR 60 Appendix A,

adopted and incorporated by reference in Rule 62-204.800 F.A.C. The minimum sample volume shall be thirty (30) dry standard cubic feet.
[Rules 62-296.401(4)(d)4, & 62-296.401(4)(e)1b F.A.C.]

18. Hydrochloric Acid Emissions Testing: The owner or operator of any biological waste incineration unit with capacity equal to or less than 500 lbs/hr shall have a performance test conducted for hydrochloric acid emissions prior to submitting the application for an initial or renewal of the air operation permit. The test method for hydrochloric acid emissions shall be EPA Method 26 or 26A, as described in 40 CFR 60 Appendix A, adopted and incorporated by reference in Rule 62-204.800 F.A.C.
[Rules 62-296.401(4)(e)1b & 62-296.401(4)(d)5 F.A.C.]

19. Carbon Monoxide Emissions Testing: The owner or operator of any biological waste incineration unit with capacity equal to or less than 500 lbs/hr shall have a performance test conducted for carbon monoxide prior to submitting the application for an initial or renewal of the air operation permit. The test method for carbon monoxide emissions shall be EPA Method 10, as described in 40 CFR 60 Appendix A, adopted and incorporated by reference in Rule 62-204.800 F.A.C.
[Rule 62-297.310(7)(a)3 F.A.C.]

20. Equipment Accuracy: Equipment or instruments used to directly or indirectly determine process variables, including devices such as scales and temperature recorders, 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.
[Rules 62-297.310(5)(b) F.A.C.]

Reporting and Record Keeping Requirements

21. Operator Certification: Each operator of the unit shall successfully complete a training program meeting the requirements of 40 CFR 60.53c(c) and the annual refresher training course requirements of 40 CFR 60.53c(f), adopted and incorporated by reference at Rule 62-204.800, F.A.C.
    a. If the incinerator is modified to the extent that a State of Florida construction permit is required, the operators shall be retrained to operate the modified incinerator.
    b. An operator's training certificate must be kept on file at the facility for the duration of the operator's employment and for an additional two (2) years after termination of employment. The owner shall not allow the incinerator to be operated unless it is operated by an operator who has satisfactorily completed the required training program.

    [Rule 62-296.401(4)(c)6 F.A.C.]

22. Continuous Emissions Monitoring Requirements: Each incinerator unit shall be equipped and operated with a continuous monitor to record temperature at the point or beyond where 1.0 second gas residence time is obtained in the secondary chamber combustion zone in accordance with the manufacturer's instructions.
[Rule 62-4.070(3) F.A.C.]

23. Operations and Maintenance Log: A daily operations and maintenance log shall be kept by the operators showing the following information. This log shall be retained for at least three (3) years and made available upon request.
    - Date
    - Name of the operator

- Type of material incinerated
- Time the combustion of waste in the primary chamber began, and number of hours taken for incineration
- Temperature of the secondary chamber when incinerator is in operation
- Any maintenance performed; indicate when, what, why, and by whom it was performed
- Weight (as weighed on scale) of materials placed in the primary chamber

[Rule 62-4.070(3) F.A.C.]

24. Timekeeping: A log shall be kept with the number of hours the incinerator units operate daily, and monthly. This log shall be retained for at least three (3) years and made available upon request.
[Rule 62-4.070(3) F.A.C.]