

January 13, 2015

NOTICE OF AIR POLLUTION PERMIT

CERTIFIED MAIL: 7013 3020 0001 2745 5958  
RETURN RECEIPT REQUESTED

**ISSUED TO:**

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

Air Permit Number: 0250390-012-AO  
Issue Date: January 13, 2015  
Expiration Date: May 31, 2017

Authorized Representative:  
Dr. Kathleen E. Turner, Director

**Project:** State of Florida Non-Title V Air Operation Permit.  
**Facility Description:** The USDA APHIS-Miami Animal Import Center (MAIC)  
SIC Code 9641 - Regulation of Agricultural Marketing and Commodities and SIC Code  
4953 - Refuse Systems. (NAICS) Code Number 562213 & 92614 – Solid Waste  
Combustors and Incinerators.  
**Location:** 6300 N.W. 36<sup>th</sup> Street, Miami, FL 33122  
**Lat./Long:** 25° 48' 24" N / 80° 17' 48" W

This is Permit Number 0250390-012-AO for the operation of an air pollution source issued by the **Miami-Dade County Department of Regulatory and Economic Resources (RER), Division of Environmental Resources Management pursuant to Chapter 24, Code of Miami- Dade County and Chapter 403.087, Florida Statutes (F.S.)**. This is a State Air Operation Permit authorizing the operation of the emissions unit described in the permit.

*The Florida Department of Environmental Protection (FDEP) has permitting jurisdiction under Section 403.087, Florida Statutes (F.S.). However, in accordance with Section 403.182, F.S., the FDEP recognizes the RER as the approved local air pollution control program of Miami-Dade County. Through a Specific Operating Agreement, the FDEP delegated to the RER the authority to issue or deny permits for this type of air pollution source located in Miami-Dade County.*

**STATEMENT OF BASIS:**

This permit is issued under the provisions of **Chapter 24, Code of Miami-Dade County, Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Rules 62-4, and 62-204 through 62-297**, and in conformance with all existing regulations of the FDEP and the RER rules. The above named owner or operator is hereby authorized to perform the work or construct the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the RER and made a part hereof and specifically described in this permit.

**PERMIT CONTENTS:**

Part I -- Summary Information  
 Part II -- Facility-Wide Specific Conditions  
 Part III -- Emission Unit Specific Conditions  
 Appendix A – General Conditions

**PART I -- SUMMARY INFORMATION**

This permit addresses the following air pollution emissions unit(s).

<b>ID No.</b>	<b>Emission Unit Description</b>
004	One (1) EPA Technologies Biological Waste Incinerator (PPQ Facility)
005	One (1) EPA Technologies Biological Waste Incinerator (VS Facility)

**SIGNIFICANT DATES:**

Air Operation Permit Transfer Received December 22, 2014.

**REGULATORY CLASSIFICATION:**

This facility is classified as a synthetic minor, non-Title V, source of air pollution.

**PERMIT HISTORY:**

<b>Permit No</b>	<b>Project Type Description</b>	<b>Issue Date</b>	<b>Expiration Date</b>
AC 13-228214	VS Facility	07/29/1993	-
AO 13-249013	VS Facility	12/20/1994	-
AC 13-226972	PPQ Facility	07/29/1993	03/03/1993
AO 13-250734	PPQ Facility	12/20/1994	08/01/1999
0250390-001-AO	PPQ Facility	04/05/2002	04/04/2007
0250390-002-AC	Both Facilities	10/29/2004	04/29/2005
0250390-003-AO	AO Revision	01/27/2005	04/04/2007
0250390-004-AO	AO Revision	04/16/2007	04/15/2012
0250390-005-AO	Transfer Of Ownership	06/27/2008	04/15/2012
0250390-006-AO	Transfer Of Ownership	01/05/2011	04/15/2012
0250390-007-AC	Air Construction	04/18/2011	04/17/2012
0250390-007-AC	AC Extension	04/11/2012	10/17/2012
0250390-008-AO	AO Renewal/Revision	06/01/2012	05/31/2017
0250390-009-AO	AO Revision	12/04/2012	05/31/2017
0250390-010-AC	Air Construction	11/01/2013	10/31/2014
0250390-011-AO	AO Revision	08/04/2014	05/31/2017

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## PART II -- FACILITY-WIDE SPECIFIC CONDITIONS

### 1.0 Administrative Requirements

- 1.1 Regulating Agencies: All applications, tests, reports, notifications, or other submittals required by this permit shall be submitted to the Miami-Dade County Regulatory and Economic Resources (RER), Division of Environmental Resources Management, Air Quality Management located at 701 NW 1 Ct, Suite 400, Miami, Florida 33136.
- 1.2 Citation Format: In this permit, references to **F.A.C. Rule 62-xxx refer to rules promulgated under Title 62 of the Florida Administrative Code; references (if any) to 40 CFR 60.xx (or 61.xx or 63.xx) refer to regulations codified under Part 60 (or 61 or 63) of Title 40 of the Code of Federal Regulations.**
- 1.3 Specific and General Conditions: The owner or operator shall be subject to the specific conditions of this permit and the owner or operator shall be aware of, and operate under, the attached General Conditions, attached as Appendix A of this permit. General Conditions are binding and enforceable pursuant to Chapter 403, F.S.  
[Rule 62-4.160 F.A.C.]
- 1.4 Applicable Regulations: This facility is subject to regulation of Florida Administrative Code (F.A.C.) Rules 62-4, and 62-204 through 62-297. Issuance of this permit does not relieve the facility owner or operator from compliance with any other applicable federal, state, or local permitting requirements or other regulations.
- 1.5 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.
- 1.6 Other Permits: This air pollution permit does not preclude the owner or operator from obtaining any other types of required permits, licenses or certifications from the RER or other departments or agencies.
- 1.7 Renewal of This State Permit Required: An application for renewal of this air operating permit must be submitted to the RER, Air Quality Management **at least 60 days prior** to the expiration date of this permit. To apply for renewal of an operating permit, the applicant shall submit the appropriate application form in triplicate, the appropriate application fee, all required compliance test results, and such additional information as the RER may require by law.  
[Rule 62-4.030, 62-4.050, and 62-4.220 F.A.C.]

Note that public notice may be required again at the time of renewal or revision of this permit if the facility or permit is materially changed from that described by this permit.

[Rule 62-210.350(4)(a) F.A.C.]

- 1.8 County Permit Renewal: A request for renewal of the Miami-Dade County annual air operating permit must be submitted annually to the RER Air Quality Management on the appropriate form, **by May 31<sup>st</sup> of each calendar year**, along with the appropriate Miami-Dade County permit fee.  
[Chapter 24-18, Code of Miami-Dade County]

### 2.0 General Pollutant Emission Limiting Standards

- 2.1 Objectionable Odor Prohibited: No person shall cause, suffer, allow, or permit the discharge of air pollutants, which cause or contribute to an objectionable odor.  
[Rule 62-296.320(2) F.A.C.]

2.2 General Visible Emissions Standard: Unless otherwise specified by permit or rule, no person shall cause, let, permit, suffer or allow to be discharged into the atmosphere the emissions of air pollutants from any activity, the density of which is equal to or greater than 20 percent opacity at any time.  
[Rule 62-296.320(4)(b) F.A.C.]

2.3 Volatile Organic Compounds/Organic Solvents Emissions:  
No person shall store, pump, handle, process, load, unload or use in any process or installation, volatile organic compounds or organic solvents without applying known and existing vapor emission control devices or systems deemed necessary and ordered by the RER.

Such controls include the following:

- Tightly cover or close all VOC containers when they are not in use.
- Tightly cover all open tanks, which contain VOCs when they are not in use.
- Maintain all pipes, valves, fittings, etc., which handle VOCs in good operating condition.
- Confine rags used with VOCs to tightly closed, fireproof containers when not in use.
- Immediately confine and clean up VOC spills and make sure wastes are placed in closed containers for reuse, recycling or proper disposal.

[Rule 62-296.320(1) F.A.C.]

2.4 Unconfined Emissions of Particulate Matter:  
No person shall cause, let, permit, suffer or allow the emissions of unconfined particulate matter from any activity, including vehicular movement; transportation of materials; construction, alteration, demolition or wrecking; or industrially related activities such as loading, unloading, storing or handling; without taking reasonable precautions to prevent such emissions.

Reasonable precautions include the following:

- Paving and maintenance of roads, parking areas and yards.
- Application of water or chemicals to control emissions from such activities as demolition of buildings, grading roads, construction, and land clearing.
- Application of asphalt, water, chemicals, or other dust suppressants to unpaved roads, yards, open stock piles, and similar activities.
- Removal of particulate matter from roads and other paved areas under the control of the owner or operator of the facility to prevent reentrainment, and from buildings or work areas to prevent particulate from becoming airborne.
- Landscaping or planting of vegetation.
- Use of hoods, fans, filters, and similar equipment to contain, capture, and/or vent particulate matter.
- Confining abrasive blasting where possible.
- Enclosure or covering of conveyor systems.
- Substitution of powdery materials with granular or pelletized materials, where possible.

[Rule 62-296.320(4)(c) F.A.C.]

### **3.0 Operation Requirements**

3.1 Circumvention: No person shall circumvent any air pollution control device, or allow the emission of air pollutants without the applicable air pollution control device operating properly.  
[Rule 62-210.650 F.A.C.]

3.2 Excess Emissions: Excess emissions resulting from startup, shutdown or malfunction of any emissions unit shall be permitted providing best operational practices to minimize emissions are adhered to, and the duration of excess emissions shall be minimized but in no case exceeds two hours in any 24 hour period unless specifically authorized by the RER for longer duration. Excess emissions which are caused entirely or in part by poor maintenance, poor operation, or any other equipment or process failure which may reasonably be prevented during startup, shutdown, or malfunction shall be prohibited.  
[Rule 62-210.700 F.A.C.]

#### 4.0 Compliance Testing Requirements

- 4.1 Test Notification: Unless otherwise specified in this permit, the RER Air Facilities Section shall be notified in writing of expected compliance test dates (when required) at least fifteen (15) days prior to compliance testing. The notification shall include the following information: the date, time, and location of each test, and the test contact person who will be responsible for coordinating and having such test conducted for the owner.  
[Rule 62-297.310(7)(a) 9 F.A.C.]
- 4.2 Testing at Capacity: Compliance testing (when required) shall be conducted with the emission units operating at the permitted capacity (90 to 100% of the maximum permitted operation rate of the emission units). If an emission unit is not tested at permitted capacity, the emission unit shall not be operated above 110% of the test load until a new test showing compliance is conducted. Operation of the emissions unit above 110% of the test load is allowed for no more than 15 days for the purpose of conducting additional compliance testing to regain the authority to operate at the permitted capacity.  
[Rule 62-297.310(2) F.A.C.]
- 4.3 Special Compliance Tests: When the RER, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard in Rules 62-204 through 62-297 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 RER.  
[Rule 62-297.310(7)(b) F.A.C.]

#### 5.0 Reporting and Record Keeping Requirements

- 5.1 Report Excess Emissions: In case of excess emissions resulting from malfunctions, each owner or operator shall notify the RER in accordance with Rule 62-4.130, F.A.C. (condition 5.2 below). A full written report on the malfunctions shall be submitted in a quarterly report, if requested by the RER.  
[Rule 62-210.700(6) F.A.C.]
- 5.2 Report Plant Operation Problems: If the owner or operator is temporarily unable to comply with any of the conditions of the permit due to breakdown of equipment or destruction by hazard of fire, wind or by other cause, the owner or operator shall immediately notify the RER. Notification shall include pertinent information as to the cause of the problem, and what steps are being taken to correct the problem and to prevent its recurrence, and where applicable, the owner's intent toward reconstruction of destroyed facilities. Such notification does not release the owner or operator from any liability for failure to comply with the FDEP and the RER rules.  
[Rule 62-4.130 F.A.C.]
- 5.3 Retain Records: All records required by this permit shall be kept by the owner or operator and made available for the RER inspection for a minimum of three (3) years from the date of such records.  
[Rule 62-4.160(14)(b) F.A.C.]
- 5.4 Compliance Test Reports: Compliance test reports (when required) shall be submitted to the RER Air Facilities Section, as soon as practical, but no later than 45 days after the last sampling run of each test is completed.

Test reports shall provide sufficient detail on the emissions unit tested and the test procedures used to allow the RER to determine if the test was properly conducted and the test results properly computed. Test reports, other than for an EPA Method 9 test, shall include the following information and other information as necessary to make a complete report required pursuant to F.A.C. Rule 297.310(8)(c):

- 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.
- 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.
- The type of air pollution control devices installed on the emissions unit, their general condition, their normal operating parameters (pressure drops, total operating current and GPM scrubber water), and their operating parameters during each test run.
- All measured and calculated data required to be determined by each applicable test procedure for each run.
- The detailed calculations for one run that relate the collected data to the calculated emission rate.
- 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.

[Rule 62-297.310(8)(a) &(b) F.A.C.]

5.5 Annual Operating Report Required: Annual Operating Report (DEP Form No. 62-210.900(5)) shall be completed each year and submitted to the Miami Dade County, RER, Air Quality Management office or submitted electronically to the FDEP by April 1 of the following year.

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

**PART III -- EMISSION UNIT SPECIFIC CONDITIONS**

This part of this permit addresses the following emissions unit(s):

ID No.	Emission Unit 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

**1.0 This permit supersedes previously issued Air Operation Permit No. 0250390-011-AO.**

**2.0 Emissions Limiting Standards and Operation Restrictions**

- 2.1 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.; Permit No. 0250390-010-AC]
- 2.2 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.; Permit No. 0250390-010-AC]
- 2.3 Hydrochloric Acid Emissions: Hydrochloric Acid (HCl) emissions shall not exceed 3.0 pounds per hour.  
[Rule 62-4.070(3) F.A.C.; Permit No. 0250390-010-AC]
- 2.4 Carbon Monoxide Emissions: Carbon Monoxide (CO) emissions shall not exceed 100 parts per million by volume, dry basis, corrected to 7% O<sub>2</sub> on an hourly average basis.  
[Rule 62-296.401(4)(b)5 F.A.C.; Permit No. 0250390-010-AC]
- 2.5 Particulate Matter Emissions: Particulate Matter emissions shall not exceed 0.100 grains per dry standard cubic foot of flue gas, corrected to 7% O<sub>2</sub>.  
[Rule 62-296.401(4)(b)(2)a F.A.C.; Permit No. 0250390-010-AC]
- 2.6 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.; Permit No. 0250390-010-AC]
- 2.7 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.; Permit No. 0250390-010-AC]
- 2.8 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.; Permit No. 0250390-010-AC]

- 2.9 **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.; Permit No. 0250390-010-AC]
- 2.10 **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.; Permit No. 0250390-010-AC]
- 2.11 **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.; Permit No. 0250390-010-AC]
- 2.12 **Fuel Restrictions:** Fuel used shall be limited to natural gas.  
[Rule 62-4.070(3) F.A.C.; Permit No. 0250390-010-AC]
- 3.0 Compliance Monitoring and Testing Requirements**
- 3.1 **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.; Permit No. 0250390-010-AC]
- 3.2 **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.; Permit No. 0250390-010-AC]
- 3.3 **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.; Permit No. 0250390-010-AC]
- 3.4 **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.; Permit No. 0250390-010-AC]
- 3.5 **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.; Permit No. 0250390-010-AC]

- 3.6 **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.; Permit No. 0250390-010-AC]

#### 4.0 Reporting and Recordkeeping Requirements

- 4.1 **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.
- 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.
  - 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.; Permit No. 0250390-010-AC]
- 4.2 **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.; Permit No. 0250390-010-AC]
- 4.3 **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.; Permit No. 0250390-010-AC]

