Florida Department of Environmental Protection

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

Electronically Sent- Received Receipt Requested

FINAL PERMIT

PERMITTEE

Orlando Sanford International Airport
Two Red Cleveland Blvd., Suite 210
Sanford, Florida 32773

Air Permit No. 1170385-004-AO
Permit Expires: 08/30/2017
County: Seminole
Site Name: Orlando Sanford International Airport
Project Name: Permit Renewal

Authorized Representative:
David Logan, Aviation Services Manager

This is the final air operation permit, which authorizes the operation of a solid waste combustor at the facility. The waste combustion is conducted at the Orlando Sanford International Airport (Standard Industrial Classification No. 6845). The facility is located in Seminole County at 3200 Red Cleveland Boulevard., Suite 210 in Sanford, Florida 32773. The UTM coordinates are Zone 17, 476.69 km East, and 3182.67 km North.

This final permit is organized by the following sections:

Section 1. General Information

Section 2. Administrative Requirements

Section 3. Facility-wide and 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 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.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this

notice of final permit. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of final permit, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with rule 28-106.205 of the Florida Administrative Code.

All petitions filed under these rules shall contain:

(a) The name and address of each agency affected and each agency's file or identification number, if known;
(b) The name, address, and telephone number of the petitioner; the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination;
(c) A statement of when and how the petitioner received notice of the agency decision;
(d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate;
(e) A concise statement of the ultimate facts alleged, including the specific facts the petitioner contends warrant reversal or modification of the agency's proposed action;
(f) A statement of the specific rules or statutes the petitioner contends require reversal or modification of the agency's proposed action, including an explanation of how the alleged facts relate to the specific rules or statutes; and
(g) A statement of the relief sought by the petitioner, stating precisely the action petitioner wishes the agency to take with respect to the agency's proposed action.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301 of the Florida Administrative Code.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available in this proceeding.

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, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000, and by filing a copy of the notice of appeal accompanied by the applicable filing fees with the appropriate district court of appeal. The notice must be filed within thirty days after this order is filed with the clerk of the Department.

Executed in Orange County, Florida

August 2, 2012

Caroline D. Shine
District Air Program Administrator
Central District

Date

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Final Air Permit package (including the Final Determination, the Final Permit and the Appendices) 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 August 2, 2012 to the persons listed below.

David Logan, Aviation Services Manager **(dave.logan@tbiusinc.aero)**

Clerk Stamp

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

August 2, 2012

(Clerk) (Date)

FACILITY AND PROJECT DESCRIPTION

Existing Facility

The existing facility consists of the following emissions unit.

Facility ID No. 1170385	
ID No.	Emission Unit Description
001	Solid Waste Combustor

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.
- The facility is not subject to 40 CFR 60, Subpart CCCC - Standards of Performance for Commercial and Industrial Solid Waste Incineration Units for Which Construction is Commenced After November 30, 1999 or for Which Modification or Reconstruction is Commenced On or After June 1, 2001. The maximum process rate for the solid waste combustor at Orlando Sanford International Airport is 325 lbs of waste per hour (3.9 tons/day). Incineration units are exempt from 40 CFR 60, Subpart CCCC if the following criteria is met:

  Burn greater than 30 percent municipal solid waste or refuse-derived fuel, as defined in subpart Ea, subpart Eb, subpart AAAA, and subpart BBBB, and that have the capacity to burn less than 35 tons (32 megagrams) per day of municipal solid waste or refuse-derived fuel, if you meet the two requirements in paragraphs (c)(2)(i) and (ii) of this section.

  (i) Notify the Administrator that the unit meets these criteria.

  (ii) Keep records on a calendar quarter basis of the weight of municipal solid waste burned and the weight of all other fuels and wastes burned in the unit.

PERMIT HISTORY/AFFECTED PERMITS

Replaces Permit No. 1170385-003-AO

SECTION 2. ADMINISTRATIVE REQUIREMENTS (FINAL)

1. Permitting Authority: The permitting authority for this project is the Florida Department of Environmental Protection, Central District Air Resource Management Section. The Central District's mailing address and phone number is:

   Florida Department of Environmental Protection
   Central District Office
   Air Resource Management Section
   3319 Maguire Blvd., Ste. 232
   Orlando, FL 32803-3767
   Telephone: 407-897-4100

   All documents related to applications for permits shall be submitted to the above address.

2. Compliance Authority: All documents related to compliance activities such as reports, tests, and notifications shall be submitted to the Central District Air Resource Management Section (see above mailing address and phone number)

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; and
   d. 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 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 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.

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: Unless otherwise exempt by rule, the permittee shall not initiate any construction, reconstruction, or modification at the facility and shall not install/modify any pollution control device at the facility without obtaining prior authorization from the Department. Modification is defined as: Any physical change or changes in the method of operations or addition to a facility that would result in an increase in the actual emissions of any air pollutant subject to air regulations, including any not previously emitted, from any emission unit or facility.
   [Rules 62-210.200 - Definition of "Modification" and 62-210.300(1)(a), F.A.C.]

7. Annual Operating Report: On or before **April 1** of each year, the permittee shall submit a completed DEP Form 62-210.900(5), "Annual Operating Report for Air Pollutant Emitting Facility" (AOR) for the preceding calendar year. The report may be submitted electronically in accordance with the instructions received with the AOR package sent by the Department, or a hardcopy may be sent to the Compliance Authority. [Rule 62-210.370(3), F.A.C.]

8. Operation Permit Renewal Application: A completed application for renewal of the operation permit shall be submitted to the Permitting Authority no later than 60 days prior to the expiration date of the operation permit. To properly apply for an operation permit, the applicant shall submit the following:

    a. the appropriate permit application form *(see current version of Rule 62-210.900, F.A.C. (Forms and Instructions), and/or FDEP Division of Air Resource Management website at: http://www.dep.state.fl.us/air/)*;

    b. the appropriate operation permit application fee from Rule 62-4.050(4)(a), F.A.C.;

    c. copies of the most recent compliance test reports required by Specific Condition **No. A.9.**, if not previously submitted; and

    d. copies of the most recent two months of records/logs specified in Specific Condition No(s). **A.15**.

    [Rules 62-4.030, 62-4.050, 62-4.070(3), 62-4.090, 62-210.300(2), and 62-210.900, F.A.C.]

A. EU 001 Solid Waste Combustor

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
001	Solid Waste Combustor

PERFORMANCE RESTRICTIONS

A.1. Permitted Capacity: The maximum permitted combustion rate is 325 pounds of waste per hour.
[Permit application dated May 29, 2012 and Rule 62-210.200(PTE), F.A.C.]

A.2. Authorized Fuel: The emission unit shall be fired with natural gas only.
[Rule 62-210.200(PTE), F.A.C.]

A.3. Permitted Fuel Consumption: The maximum permitted heat input rate to the emission unit is 35,040 MMBTU per any consecutive 12-month period.

A.4. Restricted Operation: The emission unit is limited to combust only the following wastes:

a. TYPE O – Trash, a mixture of highly combustible waste: paper, cardboard, cartons, wood boxes, and combustible floor sweepings from commercial and industrial activities. Contains up to 10% by weight of plastic bags, coated paper, laminated paper, treated corrugated cardboard, oil rags and plastic or rubber scraps.

b. TYPE III - Garbage, consisting of animal and vegetable wastes from restaurants, cafeteria, hotels, hospitals, markets, and like installations; also includes plant materials.

This source is not permitted to combust biological or biohazardous waste as defined by Rule 62-210.200 (PTE), F.A.C. [Rule 62-210.200 (PTE), F.A.C.]

A.5. Restricted Operation: The hours of operation are not limited (8760 hours per year).
[Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

A.6. Restricted Operation: When combusting waste, the temperature must be maintained at a minimum of 1,600 degrees Fahrenheit in the secondary chamber. This temperature must be measured and recorded on each test report.
[Rule 62-210.200 (PTE), F.A.C.]

EMISSIONS STANDARDS

A.7. Visible Emissions Limitations: The visible emission limitation for this emission unit which has a charging rate of less than 50 tons per day, is that there shall be no visible emissions (5% opacity) except that visible emissions not exceeding 20 percent opacity are allowed for up to three minutes in any one-hour period.
[Rule 62-296.401(1)a., F.A.C]

A.8. HAP Emissions. Total HAP emissions are limited to less than 8.0 tons per consecutive twelve months, updated monthly.
[Rule 62-210.200 (PTE), F.A.C.]

TESTING REQUIREMENTS

A.9. **Compliance Tests: The solid waste combustor must be tested to demonstrate compliance with the emissions standard for visible emissions (Condition A.7.) during each federal fiscal year (October 1 – September 30).**
[Rule 62-296.401(c) and 62-297.310, F.A.C.]

{Permitting Note: Annual visible emission testing is required in accordance with Rule 62-296.401(c), F.A.C.}

A.10. Test Requirements: Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit.
[Rule 62-297.310, F.A.C.]

A.11. Test Method(s): Required tests shall be performed in accordance with the following reference method(s).

Method(s)	Description of Method and Comments
EPA 9	Visual Determination of the Opacity of Emissions from Stationary Sources: **Test shall be conducted for thirty minutes.**

The above method(s) are described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other method(s) may be used unless prior written approval is received from the Department.
[Rules 62-204.800 and 62-297.100, F.A.C.; and Appendix A of 40 CFR 60]

A.12. Operating Rate During Testing: The maximum permitted operating rate for the dryer is 325 pounds of waste per hour while being fired at a maximum rate of 4 MMBTU/hour, and the minimum temperature which must be maintained in the secondary combustion chamber is 1,600 degrees Fahrenheit. Testing of emissions shall be conducted with the emissions unit operation at permitted capacity. Permitted capacity is defined as 90 to 100 percent of the maximum operation rates allowed by the permit. If it is impractical to test at permitted capacity, an emissions unit may be tested at less than the minimum permitted capacity; in this case, subsequent emissions unit operation is limited to 110 percent of the test load 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.
[Rule 62-297.310(2), F.A.C.]

NOTIFICATION REQUIREMENTS

A.13. Test Notification: The permittee shall notify the Compliance Authority at least 15 days prior to any required tests. The notification must include the following information: the date, time, and location of each test; the name and telephone number of the facility's contact person who will be responsible for coordinating the test; and the name, company, and the telephone number of the person conducting the test. [Rules 62-4.070(3) and 62-297.310(7)(a)9., F.A.C.]

RECORDS AND REPORTS

A.14. Test Reports: The permittee shall prepare and submit reports for all required tests in accordance with the requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(8), F.A.C.]

A.15. Monthly Log: In order to demonstrate compliance with operating condition number **A.1, A.2, A.3,** and **A.8**, the permittee shall maintain a log at the facility for a period of at least 5 years from the date the data is recorded. The log at a minimum shall contain the following:

Monthly

a) designation of the month and year of operation for which the records are being tabulated;
b) consecutive 12-month total of waste combusted;
c) consecutive 12-month total of combustor heat input;
d) consecutive 12-month total of natural gas combusted; and
e) consecutive 12-month total of combined and single HAP emissions. Use Emission Factors from AP-42, Fifth Edition, Compilation of Air Pollutant Emission Factors, Volume 1: Stationary Point and Area Sources, to calculate emissions.

The monthly logs shall be completed by the end of the following month.

Note: A consecutive 12-month total is equal to the total for the month in question plus the totals for the eleven months previous to the month in question. A consecutive 12-month total treats each month of the year as the end of a 12-month period. A 12-month total is not a year-to-date total. Facilities that have not been operating for 12 months should retain 12-month totals using whatever number of months of data is available until such a time as a consecutive 12-month total can be maintained each month.
[Rule 62-4.070(3), F.A.C.]