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

Samsula Landfill, Inc.
363 S.R. 415
New Smyrna Beach, Florida 32168

Authorized Representative:
Mr. Gary Brouillette, Manager

Air Permit No. 1270154-004-AC
Permit Expires: 02/15/2013
Site Name: Samsula Landfill, Inc.
Minor Source (after-the fact) Air Construction Permit
Project Name: New Air Curtain Incinerator

This is the final (after-the fact) air construction permit, which authorizes the installation of a new air curtain incinerator. The proposed work will be conducted at the Samsula Landfill, Inc. (Standard Industrial Classification No. 4953). The facility is located in Volusia County at 363 S.R. 415 in New Smyrna Beach, Florida. The UTM coordinates are Zone 17, 493.2 km East, and 3206.9 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. 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 Department.

Executed in Orange County, Florida

September 17, 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 20, 2012 to the persons listed below.

Gary Brouillette, Manager, Samsula Landfill, Inc. (newyanceys@aol.com)
James Colella, Colella and Associates, Inc. (jcbjcocella-cai@prodigy.net)

Clerk Stamp

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

September 17, 2012

(Clerk) (Date)

FACILITY AND PROJECT DESCRIPTION

Project Description and Proposed Emission Units

This project will add the following emissions units.

Facility ID No. 1270154	
ID No.	Emission Unit Description
002	Air Curtain Incinerator.

NOTE: *Please reference the Permit No., Facility ID, and Emission Unit ID in all correspondence, test report submittals, applications, etc.*

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 natural minor source of particulates.
- The ACI is subject to the emissions standards of Florida Administrative Code (F.A.C.) Rule 62-296.401 (7) – Air Curtain Incinerators. The ACI is also subject to Section 40 CFR 60.2245 through 60.2260 of New Source Performance Standards (NSPS), 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.

PERMIT HISTORY/AFFECTED PERMITS

Initial Construction Permit for this emission unit. An additional emission unit (EU 001 – Air Curtain Incinerator), is permitted under Air Operation Permit 1270154-003-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;
   d. Appendix D. Common Testing Requirements;
   e. Appendix E. 40 CFR 60 Subpart A; and
   f. Appendix F. 40 CFR 60 Subpart CCCC

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. Application for Non-Title V Air Operation Permit: This permit authorizes construction or modification of the permitted emissions unit(s) and initial operation to determine compliance with Department rules. A Non-Title V air operation permit is required for continued operation of the permitted emissions unit(s).

   The permittee shall apply for a Non-Title V air operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation or commencing operation as modified. Commencing operation means setting into operation of any emissions unit for any purpose. To apply for a Non-Title V air 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/)*;

   [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.]

B. EU 002 – Air Curtain Incinerator

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
002	One air curtain incinerator, Air Burners Model S-327 with refractory lined firebox. The overall dimensions are 37 feet 4 inches long by 11 feet 10 inches wide by 9 feet 7 inches high. The firebox dimensions are 27 feet 2 inches long by 8 feet 5 inches wide by 8 feet one inch high. The air curtain incinerator has an average material throughput of 6-10 tons per hour and a fuel consumption rate of 3.5-gallons per hour.

PERFORMANCE RESTRICTIONS

A.1. Permitted Capacity: The maximum permitted combustion rate is 1,950 tons of wood waste per any consecutive 12-month period, updated monthly.
[Permit Application dated 07/18/2012 and Rule 62-2 10.200(203), (PTE), F.A.C.]

A.2. Restricted Operation: The hours of operation of the emission unit shall not exceed 1,664 hours per any consecutive 12-month period, updated monthly.
[Permit Application dated 07/18/2012 and Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]

A.3. Federal Regulatory Requirements: The air curtain incinerator is subject to 40 CFR Part 60, CCCC, which is adopted and incorporated by reference at Rule 62-204.800, F.A.C., shall be constructed and operated so as to comply with all standards, limitations, and requirements of the subpart, and with the requirements of paragraph 62-296.401(7) (b), F.A.C., to the extent that those requirements are stricter than, or supplemental to, the requirements of the subpart.
[40 CFR 60, Subpart CCCC]

A.4. Restricted Operations: The following operational conditions must be adhered to:

1. The only materials that shall be burned in the air curtain incinerator, in accordance with Section 40 CFR 60.2245, are 100 percent wood waste, 100 percent clean lumber, and 100 percent mixture of only wood waste, clean lumber, and/or yard waste. The air curtain incinerator shall not be used to burn any biological waste, hazardous waste, asbestos-containing materials, mercury-containing devices, pharmaceuticals, tires, rubber material, residual oil, used oil, asphalt, roofing material, tar, treated wood, plastics, garbage, trash or other material prohibited to be open burned as set forth in subsection 62-256.300(2), F.A.C. Only kerosene, diesel fuel, drip-torch fuel (as used to ignite prescribed fires), untreated wood, virgin oil, natural gas, or liquefied petroleum gas shall be used to start the fire in the air curtain incinerator. The use of used oil, chemicals, gasoline, or tires to start the fire is prohibited.

2. In no case shall the air curtain incinerator be started before sunrise. All charging shall end no later than one (1) hour after sunset. After charging ceases, air flow shall be maintained until all material within the air curtain incinerator has been reduced to coals, and flames are no longer visible. A log shall be maintained onsite that documents daily beginning and ending times of charging.

3. The air curtain incinerator shall be attended at all times while materials are being burned or flames are visible within the incinerator.

4. The air curtain incinerator shall be located at least fifty (50) feet from any wildlands, brush, combustible structure, or paved public roadway.

5. The material shall not be loaded into the air curtain incinerator such that it protrudes above the air curtain.

6. Ash shall not be allowed to build up in the pit of the air curtain incinerator to higher than one third (1/3) the pit depth or to the point where the ash begins to impede combustion, whichever occurs first.

7. An operation and maintenance guide shall be available to the operators of the air curtain incinerator at all times, and the owner shall provide training to all operators before they work at the incinerator. This guide shall be made available to the Department or for an inspector's onsite review upon request.

[Rule 62-296.401(7)(b), F.A.C.]

EMISSIONS STANDARDS

A.5. Visible Emissions Standard: The emission limitations for this emission unit are as follows:

Outside of startup periods, visible emissions shall not exceed ten percent (10%) opacity, six (6) minute average. During startup periods, which shall not exceed the first thirty (30) minutes of operation, opacity of up to thirty-five percent (35%), averaged over a six (6) minute period, shall be allowed.
[Rule 62-296.401(7)(b), F.A.C.]

TESTING REQUIREMENTS

A.6. Initial Compliance Tests: The emissions unit shall be tested to demonstrate initial compliance with the emissions standards for visible emissions. The initial tests shall be conducted no later than 90 days after initial operation of the unit.
[Rules 62-4.070(3) and 62-297.310(7)(a)1, F.A.C.]

A.7. Compliance Tests After Initial Testing: During each federal fiscal year (October 1st to September 30th), the emissions unit shall be tested to demonstrate compliance with the emissions standards for visible emissions.
[Rule 62-297.310, F.A.C.]

A.8. 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.9. Test Method(s): Required tests shall be performed in accordance with the following reference method(s).

Method(s)	Description of Method and Comments
9	Visual Determination of the Opacity of Emissions from Stationary Sources

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]

NOTIFICATION REQUIREMENTS

A.10. 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.]

A.11. Notification of Operation Commencement: The permittee shall notify the Compliance Authority in writing of the date of commencing operation of the EU No. 002, no later than five (5) business days after that date. Commencing operation means setting into operation of any emissions unit for any purpose.
[Rule 62-4.070, F.A.C., and Rule 62-210.200, F.A.C., (Definition of Commence Operation)]

RECORDS AND REPORTS

A.12. 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.13. Monthly Recordkeeping Requirements: In order to demonstrate compliance with Specific Condition Nos. **A.2.** and **A.3.**, the permittee shall maintain a log at the facility for a period of at least five (5) years from the date the data is recorded and made available to the Department upon request. The log shall contain the following:

a. Facility Name, Facility ID No. (i.e., 0090112);
b. Month and year of record;
c. Most recent consecutive 12-month rolling total of wood waste burned (tons/consecutive 12-month period);
d. Total hours of operation for the month (hours/month);
e. Most recent consecutive 12-month rolling total of hours of operation (hours/consecutive 12-month period);
f. Daily beginning and ending times of charging;
g. Type and quantity of fuel oil burned; and
h. Most recent consecutive 12-month rolling total of fuel oil consumed.
[Rule 62-4.070(3), F.A.C.]