



FLORIDA DEPARTMENT OF
ENVIRONMENTAL PROTECTION
BOB MARTINEZ CENTER
2600 BLAIRSTONE ROAD
TALLAHASSEE, FLORIDA 32399-2400

RICK SCOTT
GOVERNOR

CARLOS LOPEZ-CANTERA
LT. GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

PERMITTEE

Taylor County Board of County Commissioners
201 East Green Street
Perry, Florida 32347

Authorized Representative:
Dustin Hinkel, County Administrator

Air Permit No. 1230061-001-AC
Permit Expires: June 12, 2019
Minor Air Construction Permit
Taylor County Central Landfill
Yard Trash Air Curtain Incinerator

PROJECT

This is the final air construction permit, which authorizes the construction of a Yard Trash Air Curtain Incinerator. The proposed work will be conducted at the existing Taylor County Central Landfill, which is categorized under Standard Industrial Classification No. 4953 – Refuse Systems. The existing facility is located in Taylor County at 6900 Landfill Road in Perry, Florida. The UTM coordinates are Zone 17, 239.75 km East and 3324.81 km North.

This final permit is organized into the following sections: Section 1 (General Information); Section 2 (Administrative Requirements); Section 3 (Emissions Unit Specific Conditions); and 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.

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.). 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.

Executed in Tallahassee, Florida

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

JFK/dlr/es

PERMIT

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Air Permit package 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 following persons.

Mr. Dustin Hinkel, County Administrator (county.admin@taylorcountygov.com)
Mr. Kenneth Dudley, P.E., Taylor County BOCC (county.engineer@taylorcountygov.com)
Mr. Harold Boudreau III, P.E., Jones Edmunds & Associates (hsboudreau@jonesedmunds.com)
Mr. Richard Rachal, Northeast District Office (richard.rachal@dep.state.fl.us)
Ms. Kathleen Lusky, EPA Region 4 (lusky.kathleen@epa.gov)
Ms. Heather Ceron, US EPA Region 4 (ceron.heather@epa.gov)
Ms. Barbara Friday, DEP OPC: (barbara.friday@dep.state.fl.us)
Ms. Lynn Searce, DEP OPC: (lynn.searce@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.

SECTION 1. GENERAL INFORMATION

FACILITY DESCRIPTION

The Taylor County Central Landfill is a small, 15.9 acre, landfill consisting of Class I, Class III, Liquid Waste, and Asbestos Monofill cells. The landfill was constructed in 1976; had an estimated capacity of 217,000 tons; and was closed April 11, 1996. No gas collection system, flare, or landfill gas engines are in place. The Taylor County Central Landfill is not subject to the requirements of 40 CFR 60, Subpart WWW, Standards of Performance for Municipal Solid Waste Landfills or 40 CFR 63, Subpart AAAA, National Emission Standards for Hazardous Air Pollutants: Municipal Solid Waste Landfills.

PROPOSED PROJECT

The applicant proposes to construct an Air Burners Inc. Model S-220 Air Curtain Incinerator. The air curtain incinerator will combust only yard waste at a maximum incineration rate shall not exceed 12,000 pounds per hour (84 tons per day). The Air Curtain Incinerator is subject to the applicable provisions of the New Source Performance Standard 40 CFR 60 Subpart AAAA—Standards of Performance for Small Municipal Waste Combustion Units for Which Construction is Commenced After August 30, 1999 or for Which Modification or Reconstruction is Commenced After June 6, 2001 and Rule 62-296.401(7), F.A.C. - Air Curtain Incinerators.

This project will add the following emissions units.

Facility ID No. 1230061	
ID No.	Emission Unit Description
001	Air Curtain Incinerator

FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAP).
- The facility does not operate 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 62-213, F.A.C.
- The facility is not a major stationary source in accordance with Rule 62-212.400(PSD), F.A.C.

SECTION 2. ADMINISTRATIVE REQUIREMENTS

1. Permitting Authority: The permitting authority for this project is the Office of Permitting and Compliance in the Division of Air Resource Management of the Department of Environmental Protection (Department). The Office of Permitting and Compliance mailing address 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 Northeast District Air Program at: 8800 Baymeadows Way West, Suite 100, Jacksonville, Florida 32256-7590.
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); and 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: 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) and 62-212.300(1)(a), F.A.C.]
7. Construction and Expiration. The expiration date shown on the first page of this permit provides time to complete the physical construction activities authorized by this permit, complete any necessary compliance testing, and obtain an operation permit. Notwithstanding this expiration date, all specific emissions limitations and operating requirements established by this permit shall remain in effect until the facility or emissions unit is permanently shut down. For good cause, the permittee may request that that a permit be extended. Pursuant to Rule 62-4.080(3), F.A.C., such a request shall be submitted to the Permitting Authority in writing before the permit expires. [Rules 62-4.070(4), 62-4.080 & 62-210.300(1), F.A.C.]
8. Application for Air Operation Permit: This permit authorizes construction of the permitted emissions unit and initial operation to determine compliance with Department rules. An air operation permit is required for regular operation of the permitted emissions unit. The permittee shall apply for an air operation permit at least 90 days prior to expiration of this permit, but no later than 180 days after commencing operation. To apply for an 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 and Chapter 62-210, F.A.C.]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

A. Air Curtain Incinerator

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
001	Air Curtain Incinerator

EQUIPMENT

1. Equipment Name: The permittee is authorized to install an Air Burners Inc. Model S-220 Air Curtain Incinerator. [Application No. 1230061-001-AC]

PERFORMANCE RESTRICTIONS

2. Permitted Capacity: The maximum incineration rate shall not exceed 12,000 pounds per hour (84 tons per day) of yard waste. [Rule 62-210.200(PTE), F.A.C.]
3. Applicability: Any air curtain incinerator subject to 40 CFR Part 60, Subpart AAAA, 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 applicable 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 applicable subpart. [Rule 62-296.401(7)(a)1., F.A.C.] [Link to 40 CFR 60 Subpart AAAA](#)
4. Authorized Fuel: The authorized fuel is yard waste. Yard waste is grass, grass clippings, bushes, shrubs, and clippings from bushes and shrubs. They come from residential, commercial/retail, institutional, or industrial sources as part of maintaining yards or other private or public lands. Yard waste does not include two items:
 - (a) Construction, renovation, and demolition wastes that are exempt from the definition of “municipal solid waste” in 40 CFR 60.1465.
 - (b) Clean wood that is exempt from the definition of “municipal solid waste” in 40 CFR 60.1465. [40 CFR 60.1440; Application No. 1230061-001-AC; and, Rule 62-210.200(PTE), F.A.C.]
5. Authorized Fuel: 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. [Rule 62-296.401(7)(b)3., F.A.C.]
6. Restricted Operation: The hours of operation shall not exceed 14 hours per day, 7 days per week, 52 weeks per year (5,096 hours per year). [Rules 62-4.070(3) and 62-210.200(PTE), F.A.C.]
7. Restricted Operation: 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. [Rules 62-4.070(3), 62-210.200(PTE), and 62-296.401(7)(b)5., F.A.C.]

OPERATING REQUIREMENTS

8. Operation Requirements: The air curtain incinerator shall be attended at all times while materials are being burned or flames are visible within the incinerator. [Rule 62-296.401(7)(b)6., F.A.C.]
9. Operation Requirements: The air curtain incinerator shall be located at least fifty (50) feet from any wildlands, brush, combustible structure, or paved public roadway. [Rule 62-296.401(7)(b)7., F.A.C.]

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

A. Air Curtain Incinerator

- 10. **Operation Requirements:** The material shall not be loaded into the air curtain incinerator such that it protrudes above the air curtain. [Rule 62-296.401(7)(b)8., F.A.C.]
- 11. **Operation Requirements:** 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. [Rule 62-296.401(7)(b)9., F.A.C.]
- 12. **Operation Requirements:** 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)10., F.A.C.]

EMISSIONS STANDARDS

- 13. **Emissions Standards:**
 - a. **Visible Emissions:** 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, an opacity of up to thirty-five percent (35%), averaged over a six (6) minute period, shall be allowed. The general excess emissions rule, Rule 62-210.700, F.A.C., shall not apply. [Rule 62-296.401(7)(b)1., F.A.C. and 40 CFR 60.1445(a)]
 - b. **Malfunions:** Except during malfunions, the requirements of 40 CFR 60 Subpart AAAA apply at all times. Each malfunction must not exceed 3 hours. [40 CFR 60.1445(b)]

TESTING REQUIREMENTS

- 14. **Frequency of Testing:** The owner or operator of any air curtain incinerator subject to Rule 62-296.401(7), F.A.C. shall have a performance test conducted for visible emissions prior to submitting the application for an initial air operation permit, and annually thereafter. [Rule 62-296.401(7)(d)1., F.A.C.]
- 15. **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 within 60 days after achieving permitted capacity, but not later than 180 days after initial operation of the unit. [Rules 62-4.070(3) and 62-297.310(7)(a)1, F.A.C.; and, 40 CFR 60.8(a)]
- 16. **Initial Compliance Tests:** Conduct an initial test for opacity as specified in 40 CFR 60.8. [40 CFR 60.1450(b)] [Link to 40 CFR 60 Subpart A](#)
- 17. **Annual Compliance Tests:** 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(7)(a)4, F.A.C.]
- 18. **Annual Compliance Tests:** After the initial test for opacity, conduct annual tests no more than 13 calendar months following the date of your previous test. [40 CFR 60.1450(c)]
- 19. **Test Requirements:** The permittee shall notify the Compliance Authority in writing at least 15 days prior to any required tests. Tests shall be conducted in accordance with the applicable requirements specified in Appendix D (Common Testing Requirements) of this permit. [Rule 62-297.310(7)(a)9, F.A.C.]
- 20. **Test Method:** Required test shall be performed in accordance with the following reference method.

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

The above method is described in Appendix A of 40 CFR 60 and are adopted by reference in Rule 62-204.800, F.A.C. No other methods may be used unless prior written approval is received from the

SECTION 3. EMISSIONS UNIT SPECIFIC CONDITIONS

A. Air Curtain Incinerator

Department. [Rules 62-204.800, 62-296.401(7)(c)1., and 62-297.100, F.A.C.; and, 40 CFR 60.1450(a), and Appendix A of 40 CFR 60] [Link to Appendix A of 40 CFR 60](#)

RECORDS AND REPORTS

22. **Notice of Construction:** Provide a notice of construction that includes four items:
 - a. Your intent to construct the air curtain incinerator.
 - b. Your planned initial startup date.
 - c. Types of fuels you plan to combust in your air curtain incinerator.
 - d. The capacity of your incinerator, including supporting capacity calculations, as specified in 40 CFR 60.1460(d) and (e). [40 CFR 60.1455(a)]
21. **Test Reports:** Submit the results (each 6-minute average) of the opacity tests by February 1 of the year following the year of the opacity emission test. If the Administrator agrees, you may change the annual reporting dates (see 40 CFR 60.19(c)). [60 CFR 60.1455(e) and (g)]
22. **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.]
23. **Record Retention:** Records of the results of all initial and annual visible emissions tests shall be kept by the owner or operator in either paper copy or electronic format for at least five (5) years. These records shall be made available to the Department or for an inspector's onsite review upon request. [Rule 62-296.401(7)(c)3., F.A.C.; and, 60 CFR 60.1455(b), (c), (d), (f), and (h)]