FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION
Central District
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803

RICK SCOTT
GOVERNOR

JENNIFER CARROLL
LT. GOVERNOR

HERSCHEL T. VINYARD JR.
SECRETARY

Electronically Sent- Received Receipt Requested

FINAL PERMIT

PERMITTEE

Cloer and Sons, Inc.
P.O. Box 1446
Edgewater, FL 32132

Authorized Representative:
Mr. Kevin Cloer, Vice President

Air Permit No. 1270189-003-AO
Permit Expires: 1/15/2018
Site Name: Edgewater Facility
Minor Source Air Operation Permit
Project Name: Operation Permit renewal

This is the final air operation permit, which authorizes the operation of an air curtain incinerator. (ACI). The ACI is located at Cloer and Sons, Inc. (Standard Industrial Classification No. 4953). The facility is located in Volusia County at 3096 Eels Grove Road, in Edgewater, Florida. The UTM coordinates are Zone 17, 506.6 km East, and 3202.1 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

January 4, 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 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 January 4, 2013 to the persons listed below.

Kevin Cloer, Vice President, Cloer and Sons, Inc. (**cloerandsons@gmail.com**)

Clerk Stamp

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

January 4, 2013

(Clerk) (Date)

FACILITY AND PROJECT DESCRIPTION

Existing Facility

The existing facility consists of the following emissions unit.

Facility ID No. 1270154	
ID No.	Emission Unit Description
001	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.

PERMIT HISTORY/AFFECTED PERMITS

Renews Air Operation Permit 1270189-002-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 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.7**, if not previously submitted; and,

   d. copies of the most recent two months of records/logs specified in Specific Condition No(s). **A.13**.

   [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 – Air Curtain Incinerator

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
001	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 a maximum material throughput of 10 tons per hour includes a Kubota 60 hp diesel engine driving a blower.

PERFORMANCE RESTRICTIONS

A.1. Facility Operation: On June 1, 2010, the permittee indicated that this emission unit is in long-term reserve shut down. The permittee shall conduct compliance testing in accordance with Condition **A.7.** within 30-days after re-startup of this emission unit. Additionally, the permittee shall notify the Compliance Authority of the re-startup within five (5) business days in accordance with Condition **A.10.**
[Rule 62-4.070(3), F.A.C. and Permit Application received 11/29/2012]

A.2. Federal Regulatory Requirements: The emission unit is 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, which is adopted and incorporated by reference at Rule 62-204.800, F.A.C.. the emission unit shall be 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. (see Condition **A.4.**), to the extent that those requirements are stricter than, or supplemental to, the requirements of the subpart.
[40 CFR 60, Subpart CCCC and Rules 62-204.800 and 62-296.401(7)(a)1., F.A.C.]

A.3. Permitted Capacity: The maximum permitted combustion rate is 10,000 tons of wood waste per any consecutive 12-month period, updated monthly. For compliance testing purposes, the maximum operation rate (combustion rate) is 10 tons of wood waste per hour. Total operational hours are limited to 3,100 hours per any consecutive 12-month period, updated monthly. [Rule 62-210.200(203), (PTE), F.A.C.]

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

1. If the air curtain incinerator employs an earthen trench, the pit walls (width and length) shall be vertical, and maintained as such, so that combustion of the waste within the pit is maintained at an adequate temperature and with sufficient air recirculation to provide enough residence time and mixing for proper combustion and control of emission. The following dimensions for the pit must be strictly adhered to: no more than twelve feet (12') wide, between eight feet (8') and fifteen (15') feet deep, and no longer than the length of the manifold. The pit shall not be dug within a previously active portion of a landfill.

2. 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.

3. 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.

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

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

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

7. 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.

8. 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 these emission units 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. and 40 CFR Part 60, Subpart CCCC]

A.6. Unconfined Particulate Matter (PM) Emissions: 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 shall include, but are not limited to, the following:

a) Prior to removal, ash removed from the pit shall be wetted with water, as necessary;

b) Ash removed from the pit shall be wetted with water, as necessary, to ensure the ash does not become airborne or begin to smolder;

c) Water shall be applied, as necessary, to the facility grounds; and

d) Reasonable care shall be taken in loading and unloading the pit.
[Rule 62-296.320(4)(c), F.A.C.]

TESTING REQUIREMENTS

A.7. 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, 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. Notification of Operation Commencement (Re-startup): The permittee shall notify the Compliance Authority in writing (electronic mail is acceptable) of the date of commencing operation (Re-startup) of the EU No. 001, no later than five (5) business days after the date of commencing operation (Re-startup). Commencing operation means setting into operation of any emission unit for any purpose.
[Rule 62-4.070, F.A.C. and Rule 62-210.200, F.A.C. (Definition of Commence Operation)]

A.11. Test Notification: The permittee shall notify the Compliance Authority, at least 15 days prior to the date on which each formal compliance test is to begin, of the date, time, and place of each such test, and the test contact person who will be responsible for coordinating and having such test conducted for the permittee. [Rules 62-4.070(3) and 62-297.310(7)(a)9, F.A.C.]

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.1. , 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., 1270189), and **Emission Unit No. (i.e., EU 001)**;

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); and

f. Daily beginning and ending times of charging.

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 are available until such a time as a consecutive 12 month total can be maintained each month.[Rule 62-4.070(3), F.A.C.]