



Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Rick Scott
Governor

Jennifer Carroll
Lt. Governor

Herschel T. Vinyard Jr.
Secretary

FINAL PERMIT

PERMITTEE

PGLD Materials, LLC
5490 W. Homosassa Trail
Lecanto, FL 34461

Air Permit No. 0170364-004-AO
Permit Expires: 08/01/2017
Minor Air Operation Permit
Operation Permit Renewal

Authorized Representative:
Mr. Paul Kaufmann, Owner

This is the final air operation permit to renew Air Operation Permit No. 0170364-003-AO for an Air Burners, Inc. Model S-327 D air curtain incinerator with a refractory lined burning pit (Standard Industrial Classification No. 4953). The facility is located in Citrus County at 5490 W. Homosassa Trail in Lecanto, Florida. The UTM coordinates are Zone 17, 351.49 km East, and 3189.32 km North.

This final permit is organized by the following sections:

Section 1. General Information

Section 2. Administrative Requirements and Facility-wide Specific Conditions

Section 3. Emissions Unit Specific Conditions

Section 4. Appendices

Due to 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.

SECTION 1. GENERAL INFORMATION (FINAL)

FACILITY AND PROJECT DESCRIPTION

Precision Grading operates a waste wood disposal site. The facility consists of the following emissions unit.

Facility ID No. 0170364	
ID No.	Emission Unit Description
001	Air Curtain Incinerator

Exempt Emission Units

- Diesel-powered forced air fan [Rule 62.210.300(3)(a)35.,F.A.C.]

FACILITY REGULATORY CLASSIFICATION

- The facility is not a major source of hazardous air pollutants (HAPs).
- 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 62-213, 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 synthetic non-Title V source for Particulate Matter (PM₁₀). The maximum charging rate to the incinerator of 30,000 tons per any consecutive 12-month period will ensure that the facility's PM₁₀ emissions will be below the threshold for a Title V source.

PERMIT HISTORY/AFFECTED PERMITS

Replaces Permit No. 0170364-003-AO

**SECTION 2. ADMINISTRATIVE REQUIREMENTS AND FACILITY-WIDE SPECIFIC
CONDITIONS (FINAL)**

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

Florida Department of Environmental Protection
Southwest District Office
Air Resource Management Section
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926
Telephone: 813-632-7600

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 Southwest District Office's 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. Special Compliance Tests: When the Department, after investigation, has good reason (such as complaints, increased visible emissions or questionable maintenance of control equipment) to believe that any applicable emission standard contained in a Department rule or in a permit issued pursuant to those rules is being violated, it may require the owner or operator of the emissions unit to conduct compliance tests which identify the nature and quantity of pollutants

**SECTION 2. ADMINISTRATIVE REQUIREMENTS AND FACILITY-WIDE SPECIFIC
CONDITIONS (FINAL)**

emissions from the emissions unit and to provide a report on the results of said tests to the Air Compliance Section of the Department's Southwest District Office.

8. Facility Wide Emissions Limitation: Except for the air curtain incinerator, the facility shall not have visible emissions equal to or greater than 20% opacity, in accordance with the facility-wide visible emission limitation of Rule 62-296.320(4)(b), F.A.C. *Permitting Note: This rule does not require testing annually or prior to permit renewal.*
[Rule 62-296.320(4)(b), F.A.C.]
9. 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.; Construction Permit 0170364-001-AC]
10. 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 visible emissions test report required by Specific Condition No. A.14., if not previously submitted;
 - d. copies of the most recent month of records/logs specified in Specific Condition No. 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.]

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 Air Curtain Incinerator

This section of the permit addresses the following emissions unit.

ID No.	Emission Unit Description
001	Air Burners, Inc., Model S-327 D air curtain incinerator with a refractory lined burning pit that is 27' long x 8'4" wide x 8' deep. The manifold is designed to be 27 feet in length. In order to avoid the Title V permitting requirements of Chapter 62-213, F.A.C., the incinerator is synthetically limited to burn a maximum of 15 tons/hour (based on a daily average) and 30,000 tons/yr. Emissions are controlled by forced air at a very high static pressure over and around the burning pit. The exempt fan, which produces the forced air, is diesel powered.

PERFORMANCE RESTRICTIONS

A.1. Federal Regulatory Requirements:

- a. This incinerator is subject to the requirements of 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.
- b. Any air curtain incinerator subject to 40 CFR Part 60, Subpart AAAA, BBBB, CCCC, DDDD, or EEEE, adopted and incorporated by reference at Rule 62-204.800. F.A.C., shall be constructed and operated so as to comply with the standards, limitations, and requirements of the applicable subpart, and with the requirements Rule 62-296.401(7)(b), F.A.C., to the extent that those requirements are stricter than, or supplemental, the requirements of the applicable subpart.

[Rules 62-204.800(8)(b)77. and 62-296.401(7)(a)1., F.A.C.]

- A.2. Permitted Capacity:** The maximum charging rate to the incinerator shall not exceed 15 tons/hr. (daily average basis) and 30,000 tons per any consecutive 12-month period. The charging rate going into the pit shall be determined by the following procedure: The loader used to charge the pit shall weigh five (5) buckets (rakes) at a representative maximum capacity and representative material to be charged into the burn pit. This average, along with the number of charges, shall then be used to determine the hourly process rate. In addition, the loader bucket (rake) that will be used to charge the pit shall be designated as the only one used in charging the pit. If a different or alternate sized loader is used a new average shall be determined and noted in the facility's records/logs.

Permitting note: See Appendix D, Condition 1, for Operation Rate during Testing requirements.

[Rule 62-210.200(PTE), F.A.C.; Construction Permit 0170364-001-AC]

- A.3. Hours of Operation:** The hours of operation (charging hours) shall not exceed 4,000 hours per any consecutive 12-month period.

[Rule 62-210.200(PTE), F.A.C.; Construction Permit 0170364-001-AC]

- A.4. Restricted Operation:** Operation of this emissions unit is authorized once it demonstrates compliance with the visible emissions limit the first time it operates after the effective date of this permit. Operation of this emission unit is not authorized otherwise.

[Rule 62-4.070(3), F.A.C.]

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 Air Curtain Incinerator

A.5. Operational Requirements for Air Curtain Incinerator (ACI):

- a. The earthen trench's 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 emissions. The following dimensions for the pit must be strictly adhered to: no more than 12 feet wide, between eight feet (8') and 15' deep, and no longer than the manifold. If the pit is located at a landfill, the pit shall not be dug within a previously active portion of a landfill.
[Rule 62-296.401(7)(b)2., F.A.C.]
- b. Except as allowed herein, the only materials that shall be burned in the air curtain incinerator are vegetative material and untreated wood, excluding sawdust. 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 materials, tar, treated wood, plastics, garbage, trash, or other material prohibited to be open burned as set forth in Rule 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. The air curtain incinerator may be used for the destruction of animal carcasses in accordance with 62-256.700(6), F.A.C. When using an air curtain incineration to burn animal carcasses, untreated wood may also be used to maintain good combustion.
[Rules 62-296.401(7)(b)3. and 4., F.A.C.]
- c. In no case shall an 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.
[Rule 62-296.401(7)(b)5., F.A.C.]
- d. 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.]
- e. The air curtain incinerator shall be located at least 50 feet from any wild lands, brush, combustible structure, or paved public roadway.
[Rule 296.401(7)(b)7., F.A.C.]
- f. 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.]
- g. Ash shall not be allowed to build up in the pit of an 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. The pit shall be marked with an indicator to show the 1/3 depth.
[Rule 62-296.401(7)(b)9., F.A.C.; Construction Permit 0170364-001-AC]

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 Air Curtain Incinerator

- h. The detailed operation and maintenance (O&M) guide received by the Department on February 28, 2001, shall be used and must be available to the operators of an 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.]
- i. Notwithstanding the provisions of Rule 62-296.401(7)(b)3., F.A.C., the air curtain incinerator may be used for the destruction of animal carcasses in accordance with the provisions of Rule 62-256.700(6), F.A.C. When using an air curtain incinerator to burn animal carcasses, untreated wood may also be burned to maintain good combustion.
[Rule 62-296.401(7)(b)4., F.A.C.]

A.6. Operator Certification: Each trained operator shall receive a certificate demonstrating that the operator has successfully passed the training required by the operation and maintenance guide. During the tenure of the operator, a copy of this certificate shall be kept on file at the facility and be made available to the Department upon request.
[Rules 62-4.070(3) and 62-296.401(7)(b)10., F.A.C.; Construction Permit 0170364-001-AC]

A.7. Diesel Powered Fan: In order to ensure the VE limitations are not exceeded and objectionable odors are not generated, the air curtain incinerator's fan shall continue to operate after the last charge of each day until all combustion has ceased. For purposes of this condition, "combustion" means the presence of any flames or smoke that causes a VE greater than five (5) % opacity.
[Rules 62-4.070(3) and 62-210.200 (Definition "Visible Emission"), F.A.C.; Construction Permit 0170364-001-AC]

A.8. Reasonable Precautions: All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter from this emission unit. These provisions are applicable to any source, including, but not limited to vehicular movement, transportation of materials, construction, alteration, demolition or wrecking, or industrial related activities such as loading, unloading, storing and handling. Reasonable precautions shall include the following:

- a. Ash removed from the pit shall be wetted with water, prior to removal, and 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; and
- c. Reasonable care shall be taken in loading and unloading the pit.

[Rule 62-296.320(4)(c), F.A.C.; Construction Permit 0170364-001-AC]

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 Air Curtain Incinerator

EMISSIONS STANDARDS

A.9. Visible Emissions Limit: Outside of startup procedures, visible emissions shall not exceed ten percent (10%) opacity, six-minute average. During startup periods, which shall not exceed the first (30) minutes of operation, an opacity of up to 35%, averaged over a six (6) minute period, shall be allowed. The general excess emission rule, Rule 62-210.700, F.A.C., shall not apply. [Rule 62-296.401(7)(b)1., F.A.C.]

TESTING REQUIREMENTS

A.10. Visible Emissions Tests:
a. The emissions unit shall be tested to demonstrate compliance with the emissions standards for Visible Emissions (VE) the first time it operates after the effective date of this permit.
b. 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 (VE).
See Specific Condition No. A.12. for test notification requirements.

[Rules 62-4.070(3), 62-297.310(7) and 62-296.401(7)(d), F.A.C.]

A.11. Test Requirements: Testing of emissions must be conducted within 90-100% of the maximum allowable charging rate* of 15 tons/hr. If it is impracticable to test at permitted capacity, an emission unit may be tested at less than the maximum permitted capacity; in this case, subsequent emission unit operation is limited to 110 percent of the test rate 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. The test results shall be submitted to the Air Compliance Section of the Department's Southwest District Office within 45 days of testing. Acceptance of the test by the Department will automatically constitute an amended permit at the higher charging tested rate, plus 10%, but in no case shall the maximum allowable charging rate of 15 tons/hr. be exceeded. The emission limitations shall not change.

* *Charging rate is defined as 1) the amount of material placed in the incinerator during the period starting with the initial loading and ending 60 minutes after initial combustion, for the first 60 minute period after initial combustion and 2) the amount of material placed in the incinerator for any 60-minute period thereafter.*

[Rules 62-4.070(3) and 62-297.310(2), F.A.C.; Construction Permit 0170364-001-AC]

A.12. Test Method: Required tests 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 VE test shall be conducted when the highest emissions can reasonably be expected to occur. The EPA Method No. 9 test interval on this source shall be at least 60 minutes and meet all the applicable requirements of Chapter 62-297,

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 Air Curtain Incinerator

Method	Description of Method and Comments
	F.A.C. The VE test shall begin upon initial combustion and include the first 60 minutes of the burn (30 minutes start-up and 30 minutes normal operation). In order to determine compliance and maximize the conditions for conducting a valid VE test, the Department reserves the right to require the air curtain incinerator to be repositioned, for example, with the incinerator's long axis in a north to south direction.

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.

[Rule 62-204.800, F.A.C.; Appendix A of 40 CFR 60; and Construction Permit 0170364-001-AC]

NOTIFICATION REQUIREMENTS

- A.13. Test Notification: The permittee shall notify the Compliance Authority in writing 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.

{Permitting Note: The notification should also include the relevant emission unit ID No(s), test method(s) to be used, and pollutants to be tested.}

[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. Submit a copy of the test data to the Air Permitting Section of the Department's Southwest District Office within 45 days of such testing. All submitted compliance test reports shall include:

- a. A copy of the daily log for each test day along with the actual charging rate during the test period.
- b. A description of materials burned and starter fuel used during the test period.

The annual opacity test results shall be submitted as electronic or paper copy on or before the applicable submittal date. Records of the results of all 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.

[Rules 62-296.401(7)(d)1., 62-297.401(7)(c)3., 62-297.310, and 62-4.070(3), F.A.C.; Construction Permit 0170364-001-AC]

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 Air Curtain Incinerator

- A.15. Operating Log: A daily operating log shall be kept and at a minimum contain the following:
- a. Facility name, facility ID No., emission unit ID No., and description (i.e., PGLD Materials, LLC, 0170364, E.U. 001, Air Curtain Incinerator);
 - b. Type of starter fuel used;
 - c. Total number charges;
 - d. Default charging rate and identification of the rake used as determined by Specific Condition No. A.2.;
 - e. Total material (in tons) charged;
 - f. Daily operating (charging) hours, which includes the start of initial combustion to the time of the last charge to the incinerator (Start and Stop times shall be indicated);
 - g. Daily, calculate the hourly charging rate, TPH;
 - h. Monthly, provide the most recent consecutive 12-month period total of operating (charging) hours;
 - i. Monthly, provide the most recent consecutive 12-month period total for the amount of material charged, in tons;
 - j. Type of Maintenance Performed;
 - k. Comments; and
 - l. Operator's signature.

The log shall be maintained at the facility for at least three (3) years and shall be made available to the Compliance Authority upon request. Daily logs shall be completed within 5 business days and monthly logs (h. and i. above) shall be completed by the end of the following month.

[Rules 62-4.070(3), 62-4.160(14), and 62-296.401(7)(b)5., F.A.C.; Construction Permit 0170364-001-AC]

Other Requirements

- A.16. Records Retention: The permittee shall maintain records of the occurrence and duration of any startup, shutdown, or malfunction in the operation of an affected facility; or any malfunction of the air pollution control equipment. The records shall be recorded in a permanent form suitable for inspection and shall be retained for at least 2 years.
[Rule 62-204.800(8), F.A.C. and 40 CFR 60.7(b) & (f)]
- A.17. Burn Authorization: Nothing in Rule 62-296.401(7), F.A.C. shall relieve the owner or operator from any requirement for obtaining authorization to use an air curtain incinerator, when necessary, from the Division of Forestry or any local fire control authority.
[Construction Permit 0170364-001-AC]

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 Air Curtain Incinerator

- A.18. Air Curtain Incinerator Position: Each time the incinerator is re-positioned to a different area of the site the permittee shall notify the Compliance Authority in writing of the date the incinerator was moved within five (5) calendar days of that date. The notice shall include a sketch/diagram of the new location.
[Rule 62-4.070(3), F.A.C.]

SOLID WASTE REQUIREMENTS AND LIMITATIONS

- A.19. The permittee shall comply with the following Solid Waste requirements:

Wood Waste Management Requirements

1. *The owner or operator of this yard trash facility is not required to obtain a separate Solid Waste Management Facility permit pursuant to Rule 62-701.320(14), F.A.C., during the time that this Air Curtain Incinerator permit is in effect. In the event that this Air Curtain Incinerator permit expires or is suspended, revoked or otherwise invalidated, the owner or operator shall obtain the appropriate permit pursuant to Chapter 62-701, F.A.C., for continued operation as a disposal facility or, if applicable, a Yard Trash Processing Facility registration pursuant to Rule 62-709.320, F.A.C., for the continued operation of the facility as a yard trash transfer station or yard trash recycling facility.*
2. Solid waste storage requirements.
 - (a) The facility shall have the operational features and equipment necessary to maintain a clean and orderly solid waste storage operation, including:
 1. An effective barrier to prevent unauthorized entry and dumping into the facility site;
 2. Dust control methods; and,
 3. Fire protection and control provisions to deal with accidental burning of solid waste, including:
 - a. There shall be an all-weather access road, at least 20 feet wide, all around the perimeter of the site;
 - b. There shall be interior lanes at least 15 feet wide; and,
 - c. No part of the solid waste storage area shall be more than 50 feet from access by motorized firefighting equipment.
 - (b) The facility shall be operated in a manner to control disease vectors, and to control objectionable odors in accordance with Rule 62-296.320(2), F.A.C.
 - (c) Any wood waste received at the facility shall be incinerated or removed within 6 months, or within the period required to receive 3,000 tons or 12,000 cubic yards, whichever is greatest. However, logs with a diameter of 6 inches or greater may be stored for up to 12 months before they are removed, provided the logs are separated and stored apart from other materials on site.
 - (d) In order to verify that the storage limits in (c) above are not being exceeded, monthly records of incoming and outgoing material shall be kept on site or at another location

SECTION 3. EMISSION UNIT SPECIFIC CONDITIONS (FINAL)

A. EU No. 001 Air Curtain Incinerator

approved by the Department for at least three years. The values may be in cubic yards or tonnage, but the same unit of measurement shall be used to record both incoming and outgoing material.

- (e) Any solid waste received at the facility, which is not authorized by this permit to be incinerated shall be containerized, with all putrescible material removed within 48 hours. Further, if any of the following materials are discovered, they shall be immediately containerized and removed from the facility: treated or untreated biomedical waste; hazardous waste; or any materials containing a polychlorinated biphenyl (PCB) concentration of 50 parts per million or greater.
- (f) The Prohibitions of Rule 62-701.300, F.A.C., shall not be violated by the activities at this site.
- (g) When a registered facility ceases operation, all residuals, solid waste and recyclable materials shall be removed from the site and recycled, or disposed of pursuant to the requirements of Chapter 62-701, F.A.C. Any remaining processed material shall be used in accordance with the requirements of this rule or disposed of pursuant to the requirements of Chapter 62-701, F.A.C.

[Rule 62-709.320, F.A.C.]

- 3. Handling and Removal of Prohibited Waste: The facility shall remove prohibited waste from the waste being discharged and shall remove it to covered roll-off containers upon discovery. Any containers containing putrescible waste shall have its contents removed within 48 hours. Non-putrescible waste shall be removed within 30 days or when the storage containers become full, whichever occurs first. The prohibited waste shall be removed to the appropriate authorized facilities.

[Rule 62-701.803(5), F.A.C.]

Rule 62-701.300, F.A.C. - Prohibitions.

- (1) General prohibition.
 - (a) No person shall store, process, or dispose of solid waste except at a permitted solid waste management facility or a facility exempt from permitting under this chapter.
 - (b) No person shall store, process, or dispose of solid waste in a manner or location that causes air quality standards to be violated or water quality standards or criteria of receiving waters to be violated.
- (2) Siting. Unless authorized by a Department permit or site certification in effect on May 27, 2001, or unless specifically authorized by another Department rule or a Department permit or site certification based upon site-specific geological, design, or operational features, no solid waste shall be stored or disposed of by being placed:

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- (a) In an area where geological formations or other subsurface features will not provide support for the solid waste;
 - (b) Within 500 feet of an existing or approved potable water well unless storage or disposal takes place at a facility for which a complete permit application was filed or which was originally permitted before the potable water well was in existence. This prohibition shall not apply to any renewal of an existing permit that does not involve lateral expansion, or to any vertical expansion at a permitted facility;
 - (c) In a dewatered pit unless the pit is lined and permanent leachate containment and special design techniques are used to ensure the integrity of the liner;
 - (d) In an area subject to frequent and periodic flooding unless flood protection measures are in place;
 - (e) In any natural or artificial body of water including ground water;
 - (f) Within 200 feet of any natural or artificial body of water unless storage or disposal takes place at a facility for which a complete permit application was filed or which was originally permitted before the water body was in existence. For purposes of this paragraph, a "body of water" includes wetlands within the jurisdiction of the Department, but does not include impoundments or conveyances which are part of an on-site, permitted stormwater management system, or bodies of water contained completely within the property boundaries of the disposal site which do not discharge from the site to surface waters. A person may store or dispose of solid waste within the 200-foot setback area upon demonstration to the Department that permanent leachate control methods will result in compliance with water quality standards and criteria. However, nothing contained herein shall prohibit the Department from imposing conditions necessary to assure that solid waste stored or disposed of within the 200 foot setback area will not cause pollution from the site in contravention of Department rules.
 - (g) On the right of way of any public highway, road, or alley; and
 - (h) Within 1000 feet of an existing or approved potable water well serving a community water supply as defined in Rule 62-550.200(12), F.A.C., unless storage or disposal takes place at a facility for which a complete permit application was filed or which was originally permitted before the water well was in existence. It is the intent of the Department that this provision shall be repealed on the effective date of any rule promulgated by the Department, which regulates wellhead protection areas generally. This prohibition shall not apply to any renewal of an existing permit that does not involve lateral expansion, or to any vertical expansion at a permitted facility.
- (3) Burning. Open burning of solid waste is prohibited except in accordance with Chapter 62-256, F.A.C. Controlled burning of solid waste is prohibited except in a permitted incinerator, or in a facility in which the burning of solid waste is authorized by a site certification order issued under Chapter 403, Part II, F.S.
- (4) Hazardous waste. No hazardous waste shall be disposed of in a solid waste management facility unless such facility is permitted pursuant to Chapter 62-730, F.A.C.
- (5) PCBs. Disposal of liquids containing a polychlorinated biphenyl (PCB), or non-liquid PCBs in the form of contaminated soil, rags, or other debris, may be restricted or prohibited by 40 CFR

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Part 761. Persons managing PCBs are advised to consult that federal regulation before attempting to dispose of PCBs in any solid waste disposal unit in this state.

- (6) Biomedical waste.
 - (a) No biomedical waste shall be knowingly deposited in any solid waste management facility unless:
 - 1. The solid waste facility is specifically permitted to receive untreated biomedical waste;
 - 2. The biomedical waste has been properly incinerated so that little or no organic material remains in the ash residue, or treated by a process approved by the Department of Health, and the provisions in Rule 62-701.520(5)(c), F.A.C., are complied with; or
 - 3. The biomedical waste is generated by an individual as a result of self-care, or care by a family member or other non health care provider. However, in order to reduce the chance of exposure to the public, home generators are advised to segregate and package such waste before disposal according to the guidelines for disposal of home-generated biomedical waste available from each county health department.
 - (b) No solid waste, including treated biomedical waste, shall be commingled with untreated biomedical waste unless the solid waste is being managed in the same manner as the untreated biomedical waste.
 - (c) Treated or untreated biomedical waste shall not be allowed to leak into the environment during transport.
- (7) Class I surface waters. The Department shall not issue a construction permit for a landfill within 3,000 feet of Class I surface waters.
- (8) Special wastes for landfills. No person who knows or who should know of the nature of such solid waste shall dispose of the following wastes in any landfill:
 - (a) Lead-acid batteries;
 - (b) Used oil, except as provided in Chapter 62-710, F.A.C.;
 - (c) Yard trash, except in unlined landfills classified by Department rule;
 - (d) White goods;
 - (e) Whole waste tires, except as provided in Chapter 62-711, F.A.C.
- (9) Special wastes for waste-to-energy facilities. No person who knows or who should know of the nature of such solid waste shall dispose of lead-acid batteries, mercury-containing devices, or spent mercury-containing lamps in any waste-to-energy facility.
- (10) Liquids restrictions.
 - (a) Non-containerized liquid waste shall not be placed in solid waste disposal units, which accept household waste or construction and demolition debris for disposal unless:

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1. The waste is household waste other than septic waste; or
 2. The waste is leachate or gas condensate derived from the solid waste disposal unit, or byproducts of the treatment of such leachate or gas condensate, and the solid waste disposal unit is lined and has a leachate collection system.
- (b) Containers holding liquid waste shall not be placed in a solid waste disposal unit unless:
1. The container is a small container similar in size to that normally found in household waste;
 2. The container is designed to hold liquids for use other than storage; or
 3. The waste is household waste.
- (c) Containers or tanks twenty gallons or larger in capacity shall either have one end removed or cut open, or have a series of punctures around the bottom to ensure the container is empty and free of residue. The empty container or tank shall be compacted to its smallest practical volume for disposal.
- (11) (a) Except as provided in paragraph (b) of this subsection, no person may mix or commingle used oil with solid waste that is to be disposed of in landfills or directly dispose of used oil in landfills.
- (b) Oily wastes, sorbents or other materials used for maintenance or to clean up or contain leaks, spills or accidental releases of used oil, and soils contaminated with used oil as a result of spills or accidental releases are not subject to the prohibition in paragraph (a) of this subsection.
- (12) Yard trash. The prohibitions in paragraphs (2)(b), (f), and (h) of this section apply to the storage, processing, or disposal of yard trash, except that the following setback distances shall apply:
- (a) 100 feet from off-site potable water wells, no setback required from on-site water wells;
 - (b) 50 feet from water bodies; and
 - (c) 200 feet from wells serving community water supplies.
- (13) Tanks. The prohibitions in subsection (2) of this section do not apply to the storage or treatment of solid waste in tanks, which meet the criteria of Chapter 62-761 or Rule 62-701.400(6), F.A.C. Instead, no such storage tank shall be installed within 500 feet of any existing community water supply system or any existing non-transient non-community water supply system, nor shall any tank be installed within 100 feet of any other existing potable water supply well.
- (14) Indoor storage. The prohibitions in subsection (2) of this section do not apply to the storage or processing of solid waste indoors, provided that the indoor storage area has an impervious surface and a leachate collection system. For the purposes of this subsection, an impervious surface means either a poured concrete pad having a minimum thickness of four inches, or an asphalt concrete paving with both a minimum thickness of one and one-half inches and with

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an additional component to restrict leaching to ground water such as a soil cement sub-base, an epoxy seal or a geomembrane.

- (15) Storage in vehicles. The prohibitions in subsection (2) of this section do not apply to the storage of solid waste in an enclosed or covered vehicle, provided that such vehicle has either been unloaded or moved over public highways within the previous seven days.
- (16) Existing facilities. Those portions of facilities, which were constructed prior to May 27, 2001, remain subject to the prohibitions that were in effect at the time the permit authorizing construction was issued. Lateral expansions of such facilities remain subject to the prohibitions that were in effect at the time the permit authorizing the lateral expansion was issued. For example, portions of facilities constructed prior to May 19, 1994 were subject to the prohibition against storing or disposing of solid waste within 500 feet of an existing or approved shallow water supply well, but are not subject to the prohibitions of paragraphs (2)(b) and (h) of this section. However, lateral expansions of such facilities, which occurred after May 19, 1994, are subject to the prohibitions of paragraphs (2)(b) and (h) of this section.

ASH MANAGEMENT REQUIREMENTS

- (1) Ash from the air curtain incinerator may be used as a soil amendment or incorporated into mulch or compost products. If the ash is disposed of rather than beneficially used, such disposal shall be in accordance with the requirements of Chapter 62-701, F.A.C.