

# Florida Department of Environmental Regulation

Southwest District • 4520 Oak Fair Boulevard • Tampa, Florida 33610-7347 • 813-623-5561

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

Dr. Richard Garrity, Deputy Assistant Secretary

September 19, 1990

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION  
NOTICE OF PERMIT ISSUANCE

Mr. Orlando J. Fero, Jr.  
Owner  
Fero Funeral Home  
Post Office Box 266  
Beverly Hills, Florida 32665 /

DER File No.: A042-184997  
County: Marion

Enclosed is Permit Number A042-184997 to operate an Industrial Equipment & Engineering, Inc., Model IE-43 Power Pak Biological Waste Incinerator, issued pursuant to Section 403.087, Florida Statutes.

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, 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 2600 Blair Stone Road, Tallahassee 32399-2400, within fourteen (14) days of receipt of this permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information;

(a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;

(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;

(c) A statement of how each petitioner's subsequent interests are affected by the Department's action or proposed action;

(d) A statement of the material facts disputed by petitioner, if any;

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(e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice, in the Office of General Counsel at the above address of the Department. Failure to petition within the allotted time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.


When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; 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 of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

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Beverly Hills, Florida 32665

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Executed in Tampa, Florida

Sincerely,



George W. Richardson  
Air Permitting Engineer

GWR/gr

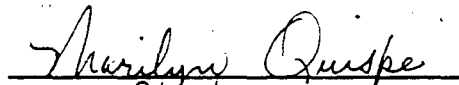
Attachment:

cc: Thomas E. Brumagin, P.E., CFTL, Inc.

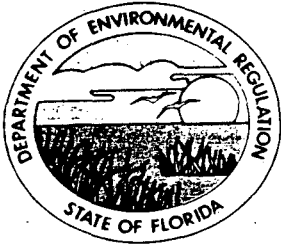
CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on SEP 19 1990 to the listed persons.

FILING AND ACKNOWLEDGEMENT  
FILED, on this date, pursuant to  
§120.52(10), Florida Statutes, with  
the designated Department Clerk,  
receipt of which is hereby  
acknowledged.

  
Clerk

SEP 19 1990  
Date



# Florida Department of Environmental Regulation

Southwest District • 4520 Oak Fair Boulevard • Tampa, Florida 33610-7347 • 813-623-5561

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

Dr. Richard Garrity, Deputy Assistant Secretary

## PERMITTEE:

Fero Funeral Home  
Post Office Box 266  
Beverly Hills, Florida 32665

## PERMIT/CERTIFICATION

Permit No.: A042-184997  
County: Marion  
Expiration Date: 9-17-95  
Project: Biological Waste  
Incinerator

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rules 17-2 & 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the Department and made a part hereof and specifically described as follows:

For the operation of an Industrial Equipment & Engineering, Inc., Model IE-43 Power Pak Biological Waste Incinerator. The incinerator is designed for a minimum primary chamber temperature of 1600°F. Emissions are controlled by an afterburner (secondary chamber) which is preheated to a minimum of 1600°F prior to the ignition of the primary chamber. The unit is designed to incinerate at a maximum rate of 150 pounds/hour of Type I and IV wastes. The incinerator is fired with LP gas only at a maximum heat input rate of 1.5 MMBTU/hour.

Location: U.S. Highway 41 North, Dunnellon, Marion County

UTM: 17-559.0 E 3221.1 N

Neds No.: ~~0024~~ Point ID: 01

Replaces Permit No.: AC42-161703

0080  
new ARH:  
changed number  
since county is split  
w/ Orlando

PERMITTEE:  
Fero Funeral Home

Permit/Certification No.: A042-184997  
Project: Biological Waste Incinerator

SPECIFIC CONDITIONS:

1. A part of this permit is the attached 15 General Conditions.
2. The visible emission limitations for this incinerator is, no visible emissions (5 percent opacity) except that visible emissions up to 20 percent opacity are allowed for up to three minutes in any one hour period as set forth in Rule 17-2.600(1)(a)1, F.A.C. The visible emissions test shall be conducted by a certified observer using DER Method 9 and be a minimum of sixty (60) minutes in duration.
3. No objectionable odors will be allowed in accordance with Rule 17-2.600(1)(a)2, F.A.C.
4. The maximum combined incineration rate for this incinerator is 150 pounds/hour of Type I and IV wastes.
5. This incinerator shall be fired only with LP gas at a maximum heat input rate of 1.5 MMBTU/hour.
6. The operating hours of this incinerator shall not exceed 10 hours/day, 6 days/week, 52 weeks/year (3,120 hours/year).
7. The temperature in the afterburner (secondary chamber) shall be maintained at a minimum of 1600°F during incineration and shall be demonstrated by adequate instrumentation.
8. All reasonable precautions shall be taken to prevent and control generation of unconfined emissions of particulate matter in accordance with the provision in Rule 17-2.610(3), F.A.C.. 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.
9. Test this incinerator for visible emissions at intervals of 12 months from the date of July 24, 1990 and submit a copy of test data to the Air Section of the Southwest District Office within forty-five days of such testing in accordance with Rules 17-2.700(2) and 17-2.700(7), F.A.C.
10. Testing of emissions must be accomplished within  $\pm 10\%$  of the maximum combined incineration rate as specified in Specific Condition No. 4. A compliance test submitted at operating rates less than 90% of the permitted capacity will automatically constitute an amended permit at the lesser rate. Failure to submit the input rates, actual operating conditions, and last combustion chamber temperature may invalidate the test in accordance with Rule 17-4.070(3), F.A.C.

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Project: Biological Waste Incinerator

11. The Southwest District Office of the Department of Environmental Regulation shall be notified in writing at least 15 days prior to any compliance testing in accordance with Rule 17-2.700(2)(a)9., F.A.C.

12. As of July 1, 1992, this incinerator will also be subject to the following requirements of Rules 17-2.600(1)(d), and 17-2.710(5), F.A.C.

A. Facilities with a capacity equal to or less than 500 pounds per hour.

(1) Particulate matter emissions shall not exceed 0.100 grains per dry standard cubic foot of flue gas, corrected to 7% O<sub>2</sub>.

(2) Hydrochloric acid (HCl) emissions shall not exceed 4 pounds per hour.

B. All facilities unless otherwise noted are subject to the following design, operating, monitoring and operator training requirements.

(1) The incinerator(s) shall be designed to provide for a residence time of at least one second in the secondary chamber (or last) combustion chamber only, at no less than 1800°F for the combustion gases. Primary chamber and stack shall not be utilized in calculating this residence time.

(2) Mechanically fed facilities shall incorporate an air lock system to prevent opening the incinerator to the room environment. The volume of the loading system shall be designed to prevent overcharging thereby assuring complete combustion of the waste.

(3) Carbon monoxide (CO) emissions shall not exceed 100 parts per million by volume, dry basis, corrected to 7% O<sub>2</sub> on an hourly average basis.

(4) Incineration or ignition of waste shall not begin until the secondary chamber (or last) combustion chamber temperature requirement is attained. All air pollution control and continuous emission monitoring equipment shall be operational and functioning properly prior to the incineration or ignition of waste and until all the wastes are incinerated. During shutdowns, the secondary (or last) combustion chamber temperature requirement shall be maintained using auxillary burners until the wastes are completely combusted.

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- (5) Radioactive waste may not be burned in an incinerator subject to this rule unless the incinerator has been issued a permit or the waste is of such quantity to be exempt in accordance with Department of Health and Rehabilitative Services (HRS) Rule 10D-91 or 10D-104.003, F.A.C.
  - (6) Hazardous waste may not be burned in an incinerator subject to this rule unless the incinerator has been issued a permit or the waste is of such quantity to be exempt in accordance with Department Rule 17-30, F.A.C.
  - (7) All biological waste incinerator operators shall be trained by the equipment manufacturer's representatives or another qualified organization as to proper operating practices and procedures. The content of the training program shall be submitted to the Department for approval. The applicant shall submit a copy of a certificate verifying the satisfactory completion of a Department approved training program prior to issuance or renewal of the operating permit. The owner shall not allow the incinerator to be operated unless it is operated by an operator who has satisfactorily completed the training program.
- C. In accordance with Rule 17-2.710(5), F.A.C., General Requirements - Biological Waste Incineration Facilities. Each owner or operator of a biological waste incineration facility shall install, operate, and maintain in accordance with the manufacturer's instructions continuous emission monitoring equipment.
- (1) The monitors shall record the following operating parameters.
    - a. Secondary (or last) combustion chamber exit temperature.
    - b. Oxygen (for facilities with a capacity greater than 500 pounds per hour).
  - (2) Any owner or operator subject to the provisions of Rule 17-2.710(5), F.A.C., shall maintain a complete file of all measurements, including continuous emissions monitoring system, monitoring device, and performance testing measurements; all continuous emissions monitoring system performance evaluations; all continuous emissions monitoring system or monitoring device calibration checks; adjustments and maintenance performed on these systems or devices; and all other information required, recorded in a permanent legible form suitable for inspection. The file shall be retained for at least two years following the date of such measurements, maintenance, reports and records.

PERMITTEE:  
Fero Funeral Home

Permit/Certification No.: A042-184997  
Project: Biological Waste Incinerator

13. If the incinerator is intended to be operated after June 30, 1992 the following shall apply:

A. The proposed training program refererenced in Specific Condition No. 12.B.(7), shall be submitted to this office for approval by March 1, 1992 along with any of the following changes necessary to comply with the additional requirements stipulated in Specific Condition No. 12.

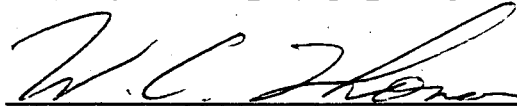
1. Diagrams of design and/or process changes.
2. Documentation of emission control equipment efficiency.
3. Manufacturer's specifications of new monitors and other associated equipment.
4. Calculations demonstrating at least a one (1) second residence time in the secondary (or last) combustion chamber.
5. Emission calculations supporting the incinerator will meet the additional emission limitations.
6. Any changes in the information submitted in the original application such as stack geometry.

B. Compliance with the requirements of Specific Condition No. 12 shall be demonstrated within 30 days of July 1, 1992 in accordance with the notification, sampling, and reporting requirements of Rule 17-2.700, F.A.C. A certificate verifying each operator (1 for each operator) satisfactorily completed the Department approved training program shall be submitted with the test reports.

14. Four applications to renew this operating permit shall be submitted to the Department sixty (60) days prior to the expiration date of this permit in accordance with Rule 17-4.090, F.A.C.

Issued this 18 day of Sept.  
1990.

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
For Richard D. Garrity, Ph.D.  
Deputy Assistant Secretary  
Southwest District



ATTACHMENT - GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations and restrictions set forth in this permit, are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, State, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, are required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at reasonable times, access to the premises where the permitted activity is located or conducted to:
  - (a) Have access to and copy any records that must be kept under conditions of the permit;
  - (b) Inspect the facility, equipment, practices, or operations regulated or required under this permit; and

- (c) Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

- (a) A description of and cause of noncompliance; and
- (b) The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Sections 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided, however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Rule 17-4.120 and 17-730.300, Florida Administrative Code, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

- ( ) Determination of Best Available Control Technology (BACT)
- ( ) Determination of Prevention of Significant Deterioration (PSD)
- ( ) Certification of compliance with State Water Quality Standards (Section 401, PL 92-500)
- ( ) Compliance with New Source Performance Standards

14. The permittee shall comply with the following:

- (a) Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- (b) The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- (c) Records of monitoring information shall include:
  - 1. the date, exact place, and time of sampling or measurements;
  - 2. the person responsible for performing the sampling or measurements;
  - 3. the dates analyses were performed;
  - 4. the person responsible for performing the analyses;
  - 5. the analytical techniques or methods used;
  - 6. the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware the relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.