



# Department of Environmental Protection

**FILE COPY**

Lawton Chiles  
Governor

Northwest District  
160 Governmental Center  
Pensacola, Florida 32501-5794

RECEIVED  
OCT 17 1996

Virginia B. Wetherell  
Secretary

**PERMITTEE:**

North Florida Animal Hospital

AIRS I.D. Number: 0730076  
Air Permit Number: 0730076001AC  
Emission Units: 001  
Date of Issue: October 15, 1996  
Expiration Date: October 15, 1997  
County: Leon  
Project: Animal Crematory Incinerator

This permit is issued under the provisions of Section 403.087, Florida Statutes, and Florida Administrative Code Rules 62-296, 62-297 and 62-4. The above named applicant, hereinafter called 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:

Construction of a crematory incinerator that will be used for cremation of non-infectious animal remains and associated bedding and containers. The unit is manufactured by Industrial Equipment & Engineering Company. It is a model IE43-PPJ Power-Pak Junior Crematory Incinerator fueled by L. P. gas. Smoke and odor emissions are controlled by two-stage burning with 1600°F minimum secondary chamber temperature.

A batch of animal remains is loaded into the primary chamber, control timers are set and the opacity controller and power switch are activated. The afterburner ignites and preheats the secondary chamber to an operating temperature of between 1600 °F and 1650 °F. The temperature range is maintained by controlled cycling of the afterburner. After approximately 30 minutes, the burner in the primary chamber switches on at high fire to ignite the case and begin the cremation of the load. Controls maintain proper temperatures and airflows during the two hour cycle.

Construction shall be consistent with the construction permit application signed June 24, 1996 (received September 5, 1996).

Located: 2701 North Monroe Street (US Hwy 27), about 1/4 mile south of I-10 in Tallahassee.

0730076001AC

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*"Protect, Conserve and Manage Florida's Environment and Natural Resources"*

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**SPECIFIC CONDITIONS:**

**General**

1. The attached General Conditions are part of this permit. [FAC Rule 62-4.160]

**Construction**

2. The Department shall be notified upon commencement of construction, and within 15 days of completion of construction. Annual status reports shall be provided no later than January 31 of each year reviewing the status of construction during the preceeding year up to completion of the project. [FAC Rule 62-4.070]
3. The Department shall be notified and prior approval shall be obtained of any changes or revisions made during construction. [FAC Rule 62-4.030]
4. Satisfactory ladders, platforms and other safety devices as well as necessary parts shall be provided/made available to facilitate an adequate inspection program. [FAC Rule 62-297.310(6)]

**Operation**

5. The maximum allowable operating rate is 75 pounds burned per hour. This is the operating rate at which compliance with standards shall be demonstrated. [FAC Rule 62-4.070 and construction application]
6. This incinerator shall not be loaded in excess of its capacity of 150 pounds per load with a minimum burn time of 2 hours. [FAC Rule 62-4.070 and construction application]
7. The Animal Crematorium may operate 8760 hours per year. [FAC Rule 62-4.070 and construction application]
8. This incinerator shall only be used for the incineration of dead animals and, if applicable, the bedding and remains associated with the animals placed in leak proof containers. [FAC Rule 62-296.401(4)(a)2] Dead animals used for biomedical or commercial experimentation and any biohazardous waste shall not be incinerated. [FAC Rule 62-296.401(4)(a)3.] Radioactive or Hazardous wastes may not be burned in the incinerator, unless exempted by rule. [FAC Rule 62-296.401(4)(e)7, 8]

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9. If leak proof containers are incinerated, they are limited to 0.5% by weight chlorinated plastics and the permittee must keep documentation from the manufacturer certifying that the containers are less than 0.5% by weight chlorinated plastic. Records must be kept on-file at the site for a minimum of two years and provided with permit renewal application. [FAC Rule 62-296.401(4)(a)2.a.] If plastic bags are incinerated, documentation must be provided to prove the bags are nonchlorinated and no less than 3 mils thick. [FAC Rule 62-296.401(4)(a)2.b.]

10. Primary chamber burners shall not be ignited until the secondary combustion chamber has attained its minimum temperature of 1600°F. [FAC Rule 62-296.401(4)(e)1] The afterburner and continuous monitoring of the secondary chamber temperature (above minimum) shall remain operational and functioning properly prior to incineration and until all wastes are incinerated. The charge door shall remain closed until all wastes are incinerated. [FAC Rule 62-296.401(4)(e)6]

11. All biological waste incinerator operators shall be trained by the manufacturer's representative or an equivalent Department-approved training program. The permittee shall maintain satisfactorily completed training certificates for each operator for the duration of each operators employment and for an additional two years after termination of employment. The incinerator shall only be operated by satisfactorily trained operators. [FAC Rule 62-296.401(4)(e)9.]

12. The permittee shall install, operate and maintain the incinerator in accordance with the manufacturer's instructions continuous monitoring equipment to record the secondary combustion chamber temperature. A complete file of all measurements, maintenance, reports and records required by FAC 62-296.401(4)(i)2. shall be maintained and be kept on file for Department inspection for a minimum of two years. [FAC Rule 62-296.401(4)(i)]

**Emissions**

13. No visible emissions ( $VE \leq 5\%$  opacity) are allowed under normal operation except for up to three minutes in any one hour at not more than 20 % opacity. [FAC Rule 62-296.401(1)(a)]

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**SPECIFIC CONDITIONS:**

14. No objectionable odors shall be allowed. If the Department determines the facility is emitting objectionable odors, the Permittee shall submit an odor remediation plan within 45 days of receipt of written notification from the Department. The plan shall include, but not be limited to, dispersion modeling analysis, strategies to reduce odorous chemicals utilization, and modifications of manufacturing production cycles, manufacturing methods and/or plant exhaust systems. [FAC Rule 62-296.401(1)(b)]

15. Particulate emissions (PM) shall not exceed 0.080 grains per dry standard cubic foot of flue gas, corrected to 7% oxygen. [FAC Rule 62-296.401(4)(a)1.]

16. Carbon monoxide (CO) emissions shall not exceed 100 parts per million by volume, dry basis, corrected to 7% oxygen. [FAC Rule 62-296.401(4)(e)5.]

**Testing**

17. Emissions tests are required to show compliance with the standards of the Department. [FAC Rule 62-296.401(4)(g)] The test results must provide reasonable assurance that the source is capable of compliance at the permitted maximum operating rate. [FAC Rule 62-297.310(2)] Tests shall be conducted in accordance with the table below. FAC Rule 62-296.401(4)(f) Such tests shall be scheduled within 30 days after construction is completed. The Department shall be notified at least 15 days prior to testing to allow witnessing. Results shall be submitted to the Department within 45 days after testing.

<u>Pollutant</u>	<u>Test Method</u>
VE	DEP Method 9 - one hour
CO	EPA Method 10
O <sub>2</sub> *	EPA Method 3 or 3A
PM	EPA Method 5 or 26A

\* incidental to CO testing

Compliance with the CO and PM test and emission requirements may be demonstrated by submission of a test report from an identical incinerator tested in Florida within five years of the testing deadline and approved by the Department. [FAC Rule 62-296.401(4)(h)] Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.

Test procedures shall meet all applicable requirements of Chapter 62-297, FAC. [FAC Rule 62-296.401(1)(c)2]

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[17. (cont.'d)]

Test reports shall comply with F.A.C. Rule 62-297.310(8), Test Reports. Additionally, the compliance test report shall provide the following information on the air pollution control devices: (a.) General condition of equipment, noting any deficiencies of problems with the equipment which occur during testing. (b.) Normal operating parameters of the equipment and the actual operation parameters for each test run, including:

The Department can require special compliance tests in accordance with F.A.C. Rule 62-297.310(7)(b). Other test methods and alternate compliance procedures may be used only after prior Departmental approval has been obtained in writing.

Testing of emissions shall be conducted with the source operating at capacity. Capacity is defined as 90-100% of rated capacity. If it is impractical to test at capacity, then sources may be tested at less than capacity; in this case subsequent source operation is limited to 110% of the test load until a new test is conducted. Once the unit is so limited, then operation at higher capacities is allowed for no more than fifteen days for purposes of additional compliance testing to regain the rated capacity in the permit, with prior notification to the Department. [FAC Rule 62-297.310(2)]

**Administrative**

18. The applicant shall retain a Professional Engineer, registered in the State of Florida, for the inspection of this project. Upon completion the engineer shall inspect for conformity to the permit application and associated documents. An application for an operation permit [Form DEP 62-210.900(1), Long Form or 62-210.900(2), Short Form, as applicable] shall be submitted with the compliance test results and appropriate fee when applicable. These are to be submitted within 75 days of completion of construction. The permittee shall obtain an operating permit for this source before the expiration of this construction permit if the permittee desires to continue operation. [FAC Rule 17-210(300)]

19. The emission unit covered by this permit is 0730076001. Please cite this number on all test reports and other correspondence specific to this permitted emission unit. [FAC Rule 62-297.310(8)]

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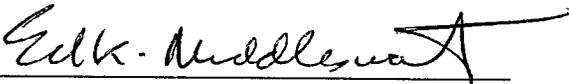
20. The Department telephone number for reporting problems, malfunctions or exceedances under this permit is (904) 444-8364, day or night, and for emergencies involving a significant threat to human health or the environment is (904) 413-9911. For routine business, telephone (904) 444-8364 during normal working hours. [FAC Rule 62-4.130]

Expiration Date:

October 15, 1997

Issued this 15<sup>th</sup> day of Oct.,  
1996.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL PROTECTION

  
ED K. MIDDLESWART, P.E.  
Director of District Management

## 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, 403.727, 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), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor 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 does not constitute 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 the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgment 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, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:
  - a. Having access to and copying any records that must be kept under the conditions of this permit;
  - b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and,

## GENERAL CONDITIONS:

c. Sampling or monitoring 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 exact 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 proscribed by Sections 403.73 and 403.111, Florida Statutes. Such evidence shall only be used to the extent it is consistent with 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 Florida Administrative Code Rules 62-4.120 and 62-730.300, as applicable. The permittee shall be liable for any noncompliance of the permitted activity until the transfer is approved by the Department.

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. 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.

GENERAL CONDITIONS:

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:

- the date, exact place, and time of sampling or measurement;
- the person responsible for performing the sampling or measurement;
- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

14. 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.