

Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Carol M. Browner, Secretary

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION NOTICE OF PERMIT

Mr. George R. Knecht, P.E., Manager of Disposal
City of Jacksonville - Solid Waste Disposal Division
1931 E. Beaver Street
Jacksonville, Florida 32202

June 3, 1991

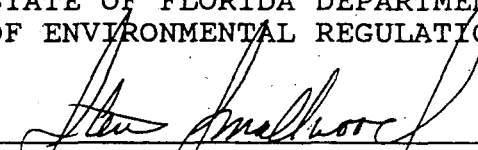
Enclosed is construction permit AC 16-186047 to construct a flare system. This permit is issued pursuant to Section 403, Florida Statutes.

Although a construction permit is being issued, the Department strongly recommends that an alternate method of landfill gas disposal should be considered. For example, selling the landfill gas to a prospective buyer, installing a heat recovery system, or installing a system where carbon dioxide and methane from the landfill gas are extracted separately and sold (this system is currently under consideration at the Perdido Landfill in Pensacola, Escambia County, Florida. For further information, Mr. Charles Miller (Manager) may be contacted at 904-968-6628).

Any party to this permit has the right to seek judicial review of the permit 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 this permit is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



STEVE SMALLWOOD, P.E., Director
Division of Air Resources Mgmt.

c: J. J. Guidry, P.E.
R. Roberson, BESD
A. Kutyna, NE Dist.

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of buisness on 6-5-91.

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to
§120.52(9), Florida Statutes, with
the designated Department Clerk,
receipt of which is hereby
acknowledged.

Kym Daker
Clerk

6-5-91
Date

Final Determination

City of Jacksonville
Duval County
Jacksonville, Florida

East Duval County Landfill-Flare
Permit No. AC 16-186047

Department of Environmental Regulation
Division of Air Resources Management
Bureau of Air Regulation

May 24, 1991

Final Determination

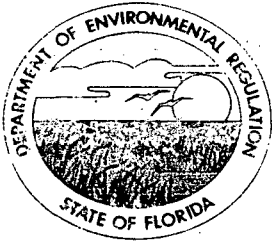
The Technical Evaluation and Preliminary Determination for the permit to construct a flare system to collect and dispose of active gas from twelve extraction wells at the East Duval Sanitary Landfill, 515 Girvin Road, Jacksonville, Duval County, Florida, was distributed on March 18, 1991. The Notice of Intent to Issue was published in Financial News and Daily Record on April 1, 1991. Copies of the evaluation were available for public inspection at the Department's Jacksonville and Tallahassee offices, and at the Air Resources Division office in Jacksonville.

Comments were received from the applicant claiming economic hardships and a request that the Department delete the requirement to install proper devices for continuous monitoring and recording gas flow rates from each of the twelve extraction gas wells. The Department concurs with the applicant's request and will not require the installation of such device on each well. Instead the applicant will be required to measure the gas flow rate (cfm) from each of the twelve extraction wells, using a method/device to be submitted by the applicant and subject to the approval by the Department, on a monthly basis for at least three years from the date this system is put into operation. The Department currently does not have any such data from extraction wells from any landfill.

In addition to this, the permittee will be required to continuously monitor and record the total gas flow rate in the input line to the flare and the flare temperature.

Although a construction permit is being issued, the Department strongly recommends that an alternate method of landfill gas disposal should be considered. For example, selling the landfill gas to a prospective buyer, installing a heat recovery system, or installing a system where carbon dioxide and methane from the landfill gas are extracted separately and sold (this system is currently under consideration at the Perdido Landfill in Pensacola, Escambia County, Florida, and for further information, Mr. Charles Miller (Manager) may be contacted at 904-968-6628).

The final action of the Department will be to issue construction permit AC 16-186047 with the changes stated in this Final Determination.



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, Florida 32399-2400

Lawton Chiles, Governor

Carol M. Browner, Secretary

PERMITTEE:

City of Jacksonville
Solid Waste Disposal Division
1931 E. Beaver Street
Jacksonville, Florida 32202

Permit Number: AC 16-186047
Expiration Date: Feb. 15, 1992
County: Duval
Latitude/Longitude: 30°19'58"N
81°28'07"W

Project: East Duval Sanitary
Landfill

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

For the construction of twelve active gas extraction wells at the East Duval Sanitary Landfill which is currently accepting 1200 TPD of Class I and Class III wastes. The total gas collected from these wells is 1800 CFM, which is disposed of through a McGill Environmental Systems, Inc. Model EGF-60 (or equivalent) enclosed flare.

The source shall be constructed in accordance with the permit application, plans, documents, amendments and drawings, except as otherwise noted in the General and Specific Conditions.

Attachments are listed below:

1. Application to Operate/Construct Air Pollution Sources, DER Form 17-1.202(1).
2. Department's letter dated October 2, 1990.
3. Applicant's response received December 24, 1990.
4. Mr. Guidry/Schmit's letter dated March 3, 1991.

PERMITTEE:
City of Jacksonville

Permit Number: AC 16-186047
Expiration Date: February 15, 1992

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. 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 the 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.

PERMITTEE:
City of Jacksonville

Permit Number: AC 16-186047
Expiration Date: February 15, 1992

GENERAL CONDITIONS:

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as 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 a reasonable time, 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 the 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 non-compliance; and
- b. the period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

PERMITTEE:
City of Jacksonville

Permit Number: AC 16-186047
Expiration Date: February 15, 1992

GENERAL CONDITIONS:

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 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 Florida Administrative Code Rules 17-4.120 and 17-730.300, F.A.C., 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. 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,

PERMITTEE:
City of Jacksonville

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GENERAL CONDITIONS:

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 measurements;
- the person responsible for performing the sampling or measurements;
- the dates 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 that 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.

SPECIFIC CONDITIONS:

1. If the applicant decides to install an equivalent flare, a written approval shall be obtained from the Department as to the make and model number of the flare prior to installation.
2. This source shall be allowed to operate continuously (i.e., 8760 hrs/yr).
3. The flare shall always be operated at or above 1800°F.
4. This source shall meet the requirements of 40 CFR 60.18, and Chapters 17-2 and 17-4, F.A.C.
5. Compliance with the visible emissions standard of no visible emissions shall be determined using EPA Method 22 and shall be for the duration of 2 hours. Such tests shall be conducted within 45 days of completion of construction and initial operation and annually thereafter. The visible emissions test report shall contain the extraction wells gas flow rates and the flare temperature.

PERMITTEE:
City of Jacksonville

Permit Number: AC 16-186047
Expiration Date: February 15, 1992

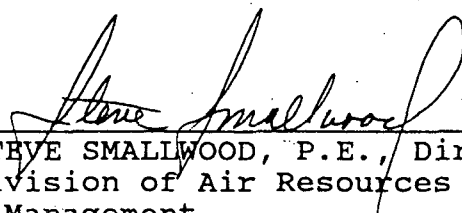
6. Pursuant to Rule 17-2.620(2), F.A.C. and Chapter 376, Jacksonville City ordinance, objectionable odors from this source are prohibited.
7. The permittee shall measure the gas flow rate (cfm) from each of the twelve extraction wells using a method to be submitted by the applicant within 90 days of issuance of this permit and subject to the approval by the Department, on a monthly basis for at least three years from the date this system is put into operation. This data shall be recorded in a (bound) log book and shall contain at a minimum the following information: a) Date and time each well is sampled, b) Gas flow rate in cfm and, c) Person responsible for taking the measurement and performing any calibration and maintenance. In addition to this, the permittee shall install proper devices to continuously monitor and record the total gas flow rate in the input line to the flare and the flare temperature.
8. An operation and maintenance plan shall be submitted to the BESD office at least 90 days prior to the expiration date of this permit.
9. The Jacksonville Bio-Environmental Services Division (BESD) office and the Department's Jacksonville office shall be given at least 15 days written notice prior to compliance testing.
10. The pilot gas for flare shall be propane at 22 SCFH with a maximum heat input rate of 0.056 MMBtu/hr, and once fired, the flame shall be sustained by the landfill gas alone.
11. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Bureau of Air Regulation prior to 60 days before the expiration of the permit (F.A.C. Rule 17-4.090).
12. An application for an operation permit must be submitted to the BESD office at least 90 days prior to the expiration date of this construction permit or within 45 days after completion of compliance testing, whichever occurs first. To properly apply for an operation permit, the applicant shall submit the appropriate application form, fee, certification that construction was completed noting any deviations from the conditions in the construction permit, and compliance test reports as required by this permit (F.A.C. Rule 17-4.220).

PERMITTEE:
City of Jacksonville

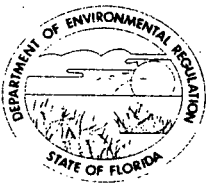
Permit Number: AC 16-186047
Expiration Date: February 15, 1992

Issued this 4th day
of June, 1991

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



STEVE SMALLWOOD, P.E., Director
Division of Air Resources
Management



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

Interoffice Memorandum

TO: Steve Smallwood
FROM: Clair Fancy *CF*
DATE: May 24, 1991
SUBJ: Approval of Construction Permit AC 16-186047
City of Jacksonville

Attached for your approval and signature is a permit prepared by the Bureau of Air Regulation for the above mentioned company to construct a flare system.

Comments were received from the applicant.

I recommend your approval and signature.

CF/MB/plm

Attachments

6/3
Steve -
this was changed
per your request.
Clair

OK/Steve
6-4-91