

Department of Environmental Protection

Lawton Chiles
Governor

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Virginia B. Wetherell
Secretary

April 20, 1995

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. David S. Dee, Esquire
Landers and Parsons
310 West College Avenue
Tallahassee, Florida 32301

Dear Mr. Dee:

Re: Amendments to PSD-FL-151(A)
Lee County Solid Waste Energy Recovery Project

The Department received your request dated September 28, 1994, for minor amendments to the subject construction permit. The permit is amended as shown:

Specific Condition No. 4.a.

FROM:

4.a. Start-up and Shut-down Procedures

During start-up procedures, propane gas shall be used to preheat the combustion zone to achieve a furnace roof temperature of 1270°F and a minimum temperature of 1800°F above the grate (at a height to be specified by the vendor) prior to the ignition of MSW.

During all shut-down procedures, propane gas shall be used to ensure that the temperature above the grate, as specified above, does not drop below 1800°F and the furnace roof temperature is maintained above 1270° while any MSW is still burning.

TO:

4.a. Start-up and Shut-down Procedures

During start-up procedures, propane gas shall be used to preheat the combustion zone to achieve a minimum furnace roof temperature and a minimum temperature of 1800 degrees F above the grate (at a height to be specified by the vendor) prior to ignition of MSW. The appropriate minimum furnace roof

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temperature shall be established by the Department, based on the test data collected during the facility's initial start-up operations, and shall be correlated to the minimum temperature of 1800 degrees F above the grate.

During all shutdown procedures, propane gas shall be used to ensure that the temperature above the grate, as specified above, does not drop below 1800 degrees F and the furnace roof temperature is maintained above the correlated minimum furnace roof temperature while any MSW is burning.

Specific Condition No. 4.e.

FROM:

4.e. Baghouse Operations

All baghouses (except for lime silo dust collector) shall be equipped with pressure drop monitoring equipment. Baghouses shall have a maximum air to cloth ratio of 4:1. Extra bags shall be maintained at the site for emergency purposes.

TO:

4.e. Baghouse Operations

All baghouses, except for the lime silo dust collector and the baghouses for the silos containing hydrated lime, soda ash, and activated charcoal for the facility's water treatment system, shall be equipped with pressure drop monitoring equipment.

Specific Condition No. 5.b.

FROM:

5.b. The facility shall be equipped with dry scrubbers which are designed, constructed and operated to remove SO₂ at an efficiency of 80% by weight or to achieve an emission rate of 30 ppmvd at 7% O₂, 24 hour daily geometric average, whichever is less stringent and to cool the flue gases to an average temperature not to exceed 300°F (3-hour rolling average).

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TO:

- 5.b. The facility shall be equipped with dry scrubbers which are designed, constructed and operated to remove SO₂ at an efficiency of 80%, by weight, or to achieve an emission rate of 30 ppmvd at 7% O₂, 24 hour geometric average, whichever is less stringent. Except during a malfunction, the maximum flue gas temperature at the final particulate matter control device inlet, during the combustion of solid waste, shall not exceed the maximum temperature established by Rule 62-296.416(4)(a), F.A.C.

A copy of this letter shall be attached to Permit PSD-FL-151(A) and shall become a part of that permit.

Sincerely,



Howard L. Rhodes, Director
Division of Air Resources
Management

HLR/jr/t

cc: D. Knowles, SD
J. Harper, EPA
J. Bunyak, NPS
H. Oven, PPS

Final Determination
PSD-FL-151(A)
Lee County Solid Waste Energy Recovery Project

The proposed permit amendments for the subject facility located in Lee County, Florida, were distributed on March 21, 1995. The Notice of Intent to Issue was published in the Ft. Myers News-press on March 30, 1995. Copies of the amendments were available for public inspection at the Department offices in Ft. Myers and Tallahassee.

No comments were submitted by the National Park Service, the U.S. Environmental Protection Agency, the applicant, or the public.

The final action of the Department will be to issue the permit amendments as proposed.

Fold at line over top of envelope to the reverse

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3. Article Addressed to:
 David S. Lee, Esq.
 Landers & Parsons
 310 West College Ave
 Tallahassee, FL 32301

4a. Article Number
 Z 311 902 920

4b. Service Type
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 Certified COD
 Express Mail Return Receipt for Merchandise

7. Date of Delivery
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5. Signature (Addressee)

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 [Signature]

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PS Form 3811, December 1991 U.S. G.P.O. 1993-252-711 DOMESTIC RETURN RECEIPT

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PS Form 3800, March 1993

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Memorandum

Florida Department of
Environmental Protection

TO: Howard L. Rhodes 
THROUGH: Clair H. Fancy 
FROM: A. A. Linero 
DATE: April 20, 1995
SUBJECT: Lee County Solid Waste Energy Recovery Project
PSD-FL-151(A)

Attached for your approval and signature is a permit amendment prepared by the New Source Review Section to revise roof temperature and other requirements for the Lee County Solid Waste Energy Recovery facility in Ft. Myers, Florida. This amendment is not controversial.

I recommend that this permit amendment be approved.

HLR/al/t

Attachments