



Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

September 10, 1990

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Gary K. Crane, Ph.D.
Environmental Permitting
Ogden Martin Systems, Inc.
40 Lane Road
Fairfield, New Jersey 07007-2615

Dear Dr. Crane:

Listed below is a change to the proposed permit amendment for the Lake County waste-to-energy facility which was mailed to you on September 6, 1990.

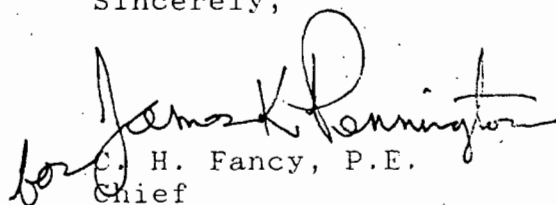
FROM: Specific Condition No. 3.k. Hydrochloric Acid: 4 pounds per hour, or shall be reduced by 90% by weight on an hourly-average basis.

TO: Specific Condition No. 3.k. Hydrochloric Acid: 50 ppmdv, corrected to 7% O₂ on a three hour average basis; or shall be reduced by 90% by weight on an hourly average basis.

It is understood by the Department that the facility is rated for a maximum of 15.7 megawatts energy production.

If you have any questions please call Ms. Cindy Phillips of the Bureau of Air Regulation at (904)488-1344.

Sincerely,


James K. Pennington
Chief
Bureau of Air Regulation

c: C. Collins, CF District
J. Harper, USEPA
C. Shaver, NPS
Lake County Board of County Commissioners

● **SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.
 Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. 2. Restricted Delivery (Extra charge)

3. Article Addressed to: Gary K. Crane, PhD. Environmental Permittings Eden Marketing Systems, Inc. 48 Lane Rd. Fairfield, NJ 07007-2615	4. Article Number P 280 742 422
5. Signature - Addressee X <i>[Signature]</i>	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
6. Signature - Agent X	Always obtain signature of addressee or agent and <u>DATE DELIVERED</u> .
7. Date of Delivery 9-13	8. Addressee's Address (ONLY if requested and fee paid)

PS Form 3811, Apr. 1989

*U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

P 280 742 422

RECEIPT FOR CERTIFIED MAIL

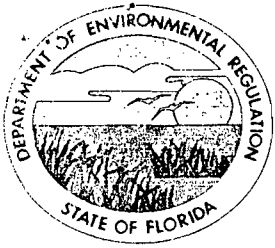
NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL

(See Reverse)

U.S.G.P.O. 1989-234-555

PS Form 3800, June 1985

Sender Gary K. Crane	
Street and No. Eden Martin	
P.O. State and ZIP Code 48 Lane Rd. Fairfield, NJ	
Postage	
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date	9-10-90



Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary

December 10, 1990

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Gary K. Crane, Ph.D.
Environmental Permitting
Ogden Martin Systems, Inc.
40 Lane Road
Fairfield, New Jersey 07007-2615

Dear Dr. Crane:

Re: Air Construction Permit Amendment
AC 35-115379, PSD-FL-113
Lake County WTE Facility

In order to clarify the definition of municipal solid waste to include biohazardous waste, and to include specific conditions of compliance for the burning of biohazardous waste, the referenced permit is hereby amended with the following changes:

FROM: EXISTING PROJECT DESCRIPTION - For the construction of two (2) 250 ton per day combustors which will be fueled by municipal solid waste and wood chips.

TO: REVISED PROJECT DESCRIPTION - For the construction of two 250 ton-per-day combustors which will be fueled by wood chips and municipal solid waste which can, by definition, include biohazardous waste. A specially designed conveyor is to be constructed to transport boxed biohazardous waste from tipping floor to combustor feed hopper so that biohazardous waste is not mixed with other municipal solid waste until it enters the feed hopper.

FROM: SPECIFIC CONDITION NO. 1.c. The design furnace mean temperature at the fully mixed zone of the combustor shall not be less than 1,800°F.

TO: SPECIFIC CONDITION NO. 1.c. The design furnace mean temperature at the fully mixed zone of the combustor shall be no less than 1800°F for a combustion gas residence time of at least one second.



Ogden Martin Systems, Inc.
AC 35-115379, PSD-FL-113
December 10, 1990
Page 2 of 3

FROM: SPECIFIC CONDITION NO. 1.e. The MWC shall be fueled with municipal solid waste or wood chips. Other wastes shall not be burned without specific prior written approval of Florida DER.

TO: SPECIFIC CONDITION NO. 1.e. The MWC shall be fueled with wood chips or municipal solid waste which can include biohazardous waste. Radioactive waste may not be burned unless the combustor has been issued a permit or the waste is 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. Hazardous waste may not be burned unless the combustor 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. Other wastes and special wastes shall not be burned without specific prior written approval of the Florida DER.

FROM: SPECIFIC CONDITION NO. 1.g. Auxilliary fuel burner(s) shall be used at start up during the introduction of MSW fuel until design furnace gas temperature is achieved.

TO: SPECIFIC CONDITION NO. 1.g. Auxilliary fuel burner(s) shall be used at start up during the introduction of MSW fuel (other than biohazardous) until design furnace gas temperature is achieved. Incineration of biohazardous waste shall not begin until the combustion chamber temperature requirement of 1800^oF 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 shut down, the combustion chamber temperature requirement shall be maintained using auxilliary burners until the wastes are completely combusted.

ADD: SPECIFIC CONDITION NO. 1.i. The combustor shall be fed so as to prevent opening the combustor to the room environment.

ADD: SPECIFIC CONDITION NO. 1.j. The applicant shall submit a copy of a certificate verifying the incinerator operators' satisfactory completion of a Department-approved training program prior to issuance of the operating permit.

Ogden Martin Systems, Inc.
AC 35-115379, PSD-FL-113
December 10, 1990
Page 3 of 3

FROM: SPECIFIC CONDITION NO. 3.a. Particulate: 0.0150 grains/dscf corrected to 12% CO₂.

TO: SPECIFIC CONDITION NO. 3.a. Particulate: 0.0150 grains/dscf corrected to 12% CO₂ or 0.020 grains/dscf corrected to 7% O₂, whichever is less.

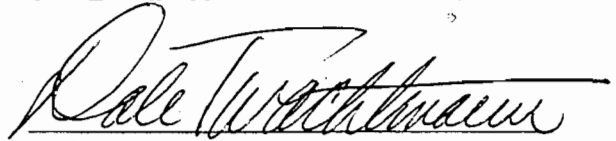
FROM: SPECIFIC CONDITION NO. 3.d. Carbon Monoxide: 200 ppm_v corrected to 12% CO₂, 4-hr rolling average.

TO: SPECIFIC CONDITION NO. 3.d. Carbon Monoxide: 100 ppm_v corrected to 7% O₂ on an hourly-average basis.

ADD: SPECIFIC CONDITION NO. 3.k. Hydrochloric Acid: 50 ppm_v, corrected to 7% O₂ on a three hour average basis; or shall be reduced by 90% by weight on an hourly average basis.

This letter or a copy of this letter must be attached to the permit and becomes a part of that permit. Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



Dale Twachtmann
Secretary

CERTIFICATE OF SERVICE

This is to certify that this PERMIT AMENDMENT and all copies were mailed before the close of business on December 10, 1990 to the listed persons. 12

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.



(Clerk)

12-12-90
(Date)

DT/CP

c: C. Collins, CF District
J. Harper, USEPA
C. Shaver, NPS

Lake County Board of County Commissioners

TO: DREW LEHMAN

OGDEN-MARTIN

FROM: CINDY PHILLIPS
FLORIDA DEFL

9/11/91

FLORIDA STATUTES

CHAPT. 120.60 LICENSING. —

... of a public hearing is the latest, shall be the satisfactory completion of accounts for a an association, or a new insurer.

... for license to es- ny, or capital stock sav- gn national proposes to e of any class of voting ry application by a for- require control of a bank, avings association, the ince shall request that pursuant to s. 120.57, published by the appli-

(b). The failure of any such foreign national to appear personally at the hearing shall be grounds for denial of the application. Notwith- standing the provisions of subsection (2) and paragraph (c), every application involving a foreign national shall be approved or denied within 1 year after receipt of the orig- inal application or any timely requested additional infor- mation or the correction of any errors or omissions, or within 30 days after the conclusion of the public hearing on the application, whichever is later.

(6) When a licensee has made timely and sufficient application for the renewal of a license which does not automatically expire by statute, the existing license shall not expire until the application has been finally acted upon by the agency or, in case the application is denied or the terms of the license are limited, until the last day for seeking review of the agency order or a later date fixed by order of the reviewing court.

(7) No revocation, suspension, annulment, or with- drawal of any license is lawful unless, prior to the entry of a final order, the agency has served, by personal ser- vice or certified mail, an administrative complaint which affords reasonable notice to the licensee of facts or con- duct which warrant the intended action and unless the licensee has been given an adequate opportunity to re- quest a proceeding pursuant to s. 120.57. When person- al service cannot be made and the certified mail notice is returned undelivered, the agency shall cause a short, simple notice to the licensee to be published once each week for 4 consecutive weeks in a newspaper published in the county of the licensee's last known address as it appears on the records of the board. If no newspaper is published in that county, the notice may be published in a newspaper of general circulation in that county. If the address is in some state other than this state or in a foreign territory or country, the notice may be pub- lished in Leon County. Notwithstanding the provisions of this section, cancellation, suspension, or revocation of a driver's license shall be by personal delivery to the licensee or by first-class mail as provided in s. 322.251.

(8) If the agency finds that immediate serious dan- ger to the public health, safety, or welfare requires emer- gency suspension, restriction, or limitation of a license, it shall show compliance in its order with the require- ments imposed by s. 120.54(9) on agencies making emergency rules. Summary suspension, restriction, or

... limitation may be a revocation proceed promptly instituted (9) If the Admin exemption from any s. 120.63, the exe non only and shall (10) This section

... employee organization History.—s. 1, ch. 74-310; 57, ch. 78-95; s. 8, ch. 78-26; ch. 84-203; s. 2, ch. 84-

120.61 Official r tion is requested, th an opportunity to e History.—s. 1, ch. 74-310

120.62 Agency (1) No process, or other investigati made, or enforced i cept as authorized to a request or dema thereof for written de tled to a transcript c cost.

(2) Any person appears voluntarily, be in an investigation o right, at his own ex sented, and advise representatives. History.—s. 1, ch. 74-310

120.63 Exemptio (1) Upon applica tion Commission ma ing governed by this of this act:

(a) When the ag requirement would co law or rules with wh

(b) In order to pe tax benefits or fede

(c) When the co with the requiremen which exemption is impractical as to de ceeding involved or not be in the public intended action and fecting the agency.

(2) The commiss any requirement of it establishes alter agency's purpose v possible, with the ir

(a) Prior to the g by this section, the ing after notice give the conclusion of tr the Executive Office der specifically gran specifying any proc

shall indicate the procedure which must shall state the applicable time limits. cy shall certify that the notice was giv- on shall show the time and date the no- or delivered and shall be filed with the

sions of subsection (2) notwithstand- tion for a certificate of authority as re- 120.61 shall be approved or denied within cept of the original application. Any ap- a certificate of authority which is not ed within the 180-day period, or within clusion of a public hearing held on the be deemed approved, subject to the etion of conditions required by stat- site to license.

ings for the issuance, denial, renewal, a license or approval of a merger pur- VIII:

partment of Banking and Finance shall the Florida Administrative Weekly no- tion within 21 days of receipt.

ays of publication of notice, any per- hearing, which upon request shall be nt to s. 120.57 except that the Depart- and Finance shall by rule provide for e general public; however, the failure g within 21 days of publication of no- e waiver of any right to a hearing.

aring be requested pursuant to sub- agraph (a), the applicant or licensee own cost a notice of the hearing in eral circulation in the area affected The Department of Banking and Fi- specify the format and size of such

ding subsection (2), and except as oh (d), every application for license v trust company, new credit union, loan association shall be approved days after receipt of the original ap- if the timely requested additional in- on of errors or omissions. Any appli- nse or for acquisition of such control d or denied within the 180-day peri-

THE TEXT YOU ARE VIEWING IS A COMPUTER-GENERATED OR RETYPED VERSION OF A PAPER PHOTOCOPY OF THE ORIGINAL. ALTHOUGH CONSIDERABLE EFFORT HAS BEEN EXPENDED TO QUALITY ASSURE THE CONVERSION, IT MAY CONTAIN TYPOGRAPHICAL ERRORS. TO OBTAIN A LEGAL COPY OF THE ORIGINAL DOCUMENT, AS IT CURRENTLY EXISTS, THE READER SHOULD CONTACT THE OFFICE THAT ORIGINATED THE CORRESPONDENCE OR PROVIDED THE RESPONSE.

8.48

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION IV

In the matter of:)
)
LAKE COUNTY WASTE TO ENERGY FACILITY)
) Order
OKAHUMPKA, FLORIDA)
PROCEEDINGS UNDER)
SECTION 167 OF THE CLEAN)
AIR ACT, AS AMENDED, 42 U.S.C. SECTION 7477)

ADMINISTRATIVE ORDER

This Administrative Order is issued this date by the Regional Administrator, Region IV, United States Environmental Protection Agency (EPA) pursuant to section 167 of the Clean Air Act (the Act), 42 U.S.C. Section 7477.

FINDING OF FACT

1. The NRG/Recovery Group, Inc., proposes to construct and operate a Lake County Waste to Energy Facility (Lake County) in Okahumpka, Lake County, Florida. The Lake county facility will consist of two mass burn incinerators which will each incinerate approximately 250 tons per day of municipal solid waste. These incinerators will be fueled with a combination of municipal solid waste and wood chips. These incinerators will emit particulate matter, sulfur dioxide (SO₂), nitrogen oxides, carbon monoxide, volatile organic compounds, lead, beryllium, fluoride, sulfuric acid mist, mercury, dioxins,

-2-

dibenzofurans, and hydrogen chloride. All of the aforementioned pollutants are regulated by the Act except dioxins, dibenzofurans, and hydrogen chloride.

2. The area of Construction of the Lake County Waste to Energy Facility is located in an attainment area for all pollutants regulated by the Act. [40 Code of Federal Regulations (C.F.R.) Section 81.310] The facility is considered a major stationary source because its potential emissions (which are subject to regulations under the Act) are above the Prevention of Significant Deterioration (PSD) of Air Quality threshold level. Consequently, this facility is regulated under the PSD rules and regulations.

3. On March 11, 1986, the NRG/Recovery Group applied to the Florida Department of Environmental Regulation (DER) for a PSD permit to construct and operate two 250 tons per day municipal solid waste energy recovery units at its Lake County Facility located on Jim Rogers Road in Okahumpka, Florida, pursuant to the Florida State Implementation Plan (SIP) [Florida Administrative Code (F.A.C.) Rule 17-2.500 et seq.].

4. On May 20, 1986, in response to said PSD application, the Florida DER issued a Preliminary Determination which contained, in the State's judgment, the Best Available Control Technology (BACT) for the proposed incinerators. The BACT Determination contained emission limits for all applicable pollutants regulated by the Act and contemplated that a baghouse (to control particulates) in combination

-3-

with a scrubber (to control acid gases) constituted BACT.

5. On July 2, 1986, EPA notified the Florida DER that the SO₂ emission limit contained in the Florida DER BACT Determination may not adequately reflect BACT (i.e., proposed SO₂ emission limit not sufficiently stringent) and that the BACT Determination should also consider the effect of controlling SO₂ on Unregulated Pollutants such as hydrogen chloride and dioxin. Furthermore, EPA informed DER that it was EPA policy that the control of nonregulated air pollutants may be considered in imposing a more stringent BACT limit on regulated pollutants, if there is a reduction in the nonregulated air pollutants which can be directly attributed to the control device selected for the abatement of the regulated pollutants.

6. On August 15, 1986, DER issued a second PSD Preliminary Determination with a modified BACT Determination. The modified BACT Determination no longer contained the requirement for acid gas Controls, but only required that the applicant leave space for the acid gas control equipment in the event there would be a future state rule change for resource recovery facilities. Removal of the requirement to employ acid gas control meant the modified BACT Determination could not adequately address EPA's concern about a more stringent SO₂ emission limit.

7. On September 19, 1986, EPA notified DER that EPA was not persuaded by Lake County's contention that municipal solid waste incineration with acid gas control is not

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economically feasible.

8. On September 24, 1986, the Florida DER issued its Final Determination and PSD permit to the NRG/Recovery Group for the proposed Lake County facility. The Final Determination and State PSD permit did not require the installation of acid gas control.

9. On October 23, 1986, EPA notified the Florida DER that EPA did not concur with DER's Final Determination regarding the issue of BACT. EPA recommended that the Final Determination and the Florida DER permit be reissued with a BACT Determination which reflects state-of-the-art technology (acid gas control and more stringent emission limitations for particulate matter and SO₂).

10. On January 30, 1987, EPA-Region IV prepared an independent BACT analysis, which varied from DER's Final Determination, in that it contained more stringent emission limitations for particulate matter and SO₂ (achieved through the use of high efficiency particulate emission and acid gas controls).

11. On February 11, 1987, EPA notified Florida DER that the DER PSD permit issued to the NRG/Recovery Group for the Lake County facility on September 24, 1986, was deficient and that EPA may initiate appropriate enforcement action against the Lake County facility to prevent or delay the construction of the facility.

12. On February 11, 1987, EPA notified the NRG/Recovery

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Group that the Florida Dir PSD permit was deficient and that unless the DER PSD permit was modified to reflect what EPA Considers BACT, EPA may initiate appropriate enforcement action to prevent or delay the construction of the facility.

CONCLUSIONS OF LAW

1. The Administrator of the EPA pursuant to his authority under Section 109 of the Act, 42 U.S.C. Section 7409, promulgated National Primary and Secondary Ambient Air Quality Standards (NAAQS) for Certain criteria pollutants, including total suspended particulate matter, sulfur oxides (SO₂), nitrogen oxides, carbon monoxide, ozone, and lead. (40 C.F.R. Sections 50.4 - 50.12)

2. Pursuant to Section 110 of the Act, 42 U.S.C. Section 7410, the Administrator of EPA, in 45 Federal Register 52676 (August 7, 1980), promulgated amended regulations for PSD in areas where the existing air quality is better than said ambient standards and incorporated said regulations into the various implementation plans of each state. The relevant regulations are codified at 40 C.F.R. Section 51.24.

3. The Florida SIP contains federally approved PSD regulations, based on the above-referenced PSD regulations, for such attainment or "clean air" areas. (F.A.C. Rule 17-2.500)

4. The area or construction for the Lake County Waste to Energy facility is an attainment area For NAAQS for all pollutants. (40 C.F.R. Section 81.310)

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5. NRG/Recovery Group is the owner and operator of the major emitting resource recovery facility in Lake County, Florida, and proposes to construct at that site pursuant to the PSD permit issued to the Lake County Waste to Energy facility by Florida DER on September 24, 1986.

6. EPA finds the Florida DER PSD permit issued to the Lake County Waste to Energy facility to be deficient in that it fails to require the installation of acid gas control. The Florida DER PSD permit also fails to require more stringent emission limitations for particulate matter and SO₂. These deficiencies invalidate the State-issued PSD permit.

7. The construction of the Lake County Waste to Energy Facility pursuant to

an invalid permit will violate Section 165(a) Or the Act, 42 U.S.C. Section 7475(a), and 40 C.F.R. Section 51.24. Consequently, the issuance of this order, pursuant to Section 167 of the Act, U.S.C. Section 7477, is requirement to prevent such construction.

8. The authority of the Administrator of EPA pursuant to Section 113(a) or the Act, 42 U.S.C. Section 7413(a), to make findings of violation of the Florida SIP, to issue notices of violation and to confer with the alleged violator has been delegated, first, to the Regional Administrator [earlier delegation consolidated to Delegations Manual, No. 7-6 (July 25, 1984)] and second, to the Director, Air, Pesticides, and Toxics Management Division, Region IV [earlier delegation consolidated

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in Region IV Delegation Manual, No. 4-2 (March 15, 1985)].

9. The authority of the Administrator of EPA to issue orders pursuant to Section 167 of the Act, 42 U.S.C, Section 7477, was delegated to the Regional Administrator [earlier delegation consolidated to Delegations Manual, No. 7-38 (July 25, 1984). The Regional Administrator, Region IV, has also consulted with the Associate Enforcement Counsel for Air and the Director of the Stationary Source Compliance Division pursuant to delegation requirement.

ORDER

Consequently, based upon investigation and analysis of all relevant facts, including any good faith efforts to comply, and pursuant to Section 167 of the Clean Air Act, 42 U.S.C. Section 7477, the NRG/Recovery Group, Inc. (Lake County Waste to Energy facility), is hereby ORDERED:

1. effective immediately upon receipt of this order, not to commence any on-site construction activity of a permanent nature on its two 250 tons per day municipal solid waste energy recovery units, including, but not limited to, installation of building supports and foundations, paving, laying of underground pipe, construction of permanent storage structures and activities of a similar nature.
2. not to commence any on-site construction activity until it has received a Prevention of Significant Deterioration (PSD) permit and Final Determination that incorporates all

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the requirements for PSD pursuant to and in accordance with the provisions of Part C, Subpart 1 or the Clean Air Act, as amended, 42 U.S.C. Section 7470 et. seq., the regulations promulgated thereunder at 40 C.F.R. Section 51.24 and/or the regulations of the federally enforceable Florida State Implementation Plan, Rule 17-2.500 of the Florida Administrative Code, and Chapter 403 of the Florida Statutes including EPA's Best Available Control Technology analysis, dated January 30, 1987 (which addresses acid gas control and more stringent emission limitations for sulfur dioxide and particulate matter), and;

3. to submit, no later than ten (10) days after receipt of this Order, certification that the prohibition in paragraph one (1) of this Order has been observed and will continue to be observed until the permit referenced in paragraph two (2) of this Order has been issued. Such certification shall be

submitted to:

Winston A. Smith, Director
Air, Pesticides, and Toxics
Management Division
United States Environmental
Protection Agency
345 Courtland Street, N.E.
Atlanta, Georgia 30365
(404) 347-3043

JUN - 3 1987

Date

Jack E. Ravan
Regional Administrator



Department of Environmental Protection

2/96

Lawton Chiles
Governor

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Virginia B. Wetherell
Secretary

Gary K. Crane, Ph.D.
Executive Vice President, Environmental
Ogden Martin of Lake, Inc.
40 Lane Road, CN 2615
Fairfield, NJ 07007-2615

OCD-AP-96-12

Lake County - AP
Lake County Resource Recovery Facility
Unit #2 - Medical Waste (Biohazardous Waste)

Dear Dr. Crane:

This is in response to your letter received on December 11, 1995. The Department would like clarification on the purpose to burn biohazardous waste (medical wastes) in Unit #2. Is it your intention to only operate Unit #2 when Unit #1 is not operating? Also, Is it your intention to construct a conveyer for Unit #2 or would the biohazardous wastes (medical wastes) be commingled in the pit with the other wastes?

Regarding the September 2, 1992 letter from Clair Fancy, the Department would like to state that the letter was sent before the moratorium on biohazardous waste incinerators became effective. The question still focuses on your intention to construct the conveyer for Unit #2.

On the issue of Public Notice, the Department wishes to point out that since Unit #2 would be processing biohazardous wastes for the first time, we will seek guidance to see if this increase in emissions from Unit #2 would mean that a Public Notice is required to make the operation federally enforceable.

If you have further questions, please contact my office at (407) 893-3332.

Sincerely,

L. T. Kozlov, P.E.
Acting Program Administrator
Air Resource Management

Date 1-8-96

cc: ~~Clair Fancy~~
✓ Al Linero

LTK/j

Final Determination

NRG/Recovery Group's application for a permit to construct two waste to energy units located on Jim Rogers Road in Okahumpka, Lake County, Florida has been reviewed by the Bureau of Air Quality Management. Public Notice of the department's Intent to Issue the permit was published in the Lake Region News on August 16, 1986.

Copies of the preliminary determination have been available for public inspection at the St. Johns River District office in Orlando, the Leesburg Library in Leesburg, and the Bureau of Air Quality Management office in Tallahassee.

The Bureau of Air Quality Management has received a comment on the proposed construction permit from the USEPA Region IV. Although the comment was not mailed on a timely basis, the comment will still be addressed.

Based on the analysis presented in this BACT determination, the bureau has concluded that a facility of this general type should be equipped with some degree of acid gas control (preferably the dry scrubber-baghouse combination for the larger incinerators). However, due to the specific economic concerns raised by the applicant, questions about the proper application of the current rules, and the uncertainty associated with acid gas control technologies and the actual health risk associated with the emissions of the "unregulated" toxic metals and organic compounds, the department has concluded that requiring acid gas control should be deferred until the RCRA report to Congress and other important information becomes available.

In view of these concerns the department has determined that the level and type of acid gas controls used on this facility (and other similar new facilities) should be addressed and established through the process of state rulemaking which is now in progress for MSW incineration facilities to be located in Florida.

In summary, in addition to the emission limitations and other requirements specified in this determination, the applicant shall be required to leave space for acid gas control equipment at this facility, and will be subject to rulemaking which may require that acid gas control and other control measures be employed at the facility.

The final action of the department will be to issue the permit to construct as noticed in the Public Notice.

I. Project Description

A. Applicant

NRG/Recovery Group
1616 Athens Street
Lakeland, Florida 33803

B. Project

The applicant proposes to amend a permit which was issued to construct two 250 tons per day (design capacity) municipal solid waste fired combustors which will generate steam and produce nominally 12.3 megawatts of electricity. The proposed waste recovery facility will be located on Jim Rogers Road, Okahumpka, Lake County, Florida. The universal transverse mercator coordinates of the source are: Zone 17, 413.1 km East and 3179.3 km North.

II. Background

On March 11, 1986, the NRG/Recovery Group applied to the Florida Department of Environmental Regulation (DER) for a Prevention of Significant Deterioration (PSD) Permit to Construct the Lake County Waste to Energy Facility.

On September 24, 1986, Florida DER issued its Final Determination and PSD permit for the proposed Lake County facility, Permit Numbers: AC 35-115379 and PSD-FL-113. The permit included specific stack emission limits which were proposed to be met with the use of a high efficiency electrostatic precipitator (ESP). The permit further required that space be provided to allow for the retrofit of additional acid gas and air pollutant emission control equipment, as may be required by subsequent rule. No adverse environmental impact from the proposed facility using only the ESP was projected.

EPA objected to the permit not requiring the inclusion of acid gas control with the initial construction. On June 3, 1987, EPA-Region IV issued an Administrative Order requiring that NRG not commence any on-site construction activity until it received a PSD permit that incorporates acid gas control and more stringent emission limitations for sulfur dioxide and particulate matter in accordance with the EPA determination of best available control technology (BACT).

EPA, upon determining the BACT (see attachment), informed NRG that an application should be filed with FDER to amend the previously issued permit.

The BACT is more stringent than the previous permit and results in a decrease in emissions of all criteria pollutants except NOx. See Table 1 for emission comparisons.

The increase in NOx emissions by about 20 lbs/hr is based on contemporary MSW combustors operating at higher temperatures and combustion efficiencies.

III. Air Quality Impact Analysis

The modifications to the Lake County facility, which includes the addition of a dry scrubber and changes to several permitted emission limitations, will result in an increase in permitted NOx emissions. Most of the emission limitations have been reduced as a result of the scrubber, however, more recent data from similar facilities has show that a higher emission rate for NOx is appropriate, despite the addition of the scrubber. The increase in NOx emissions is greater than the PSD significance level, therefore, an air quality analysis for NOx is required.

The original PSD construction permit review (PSD-FL-113) issued by the Department contained an extensive air quality analysis for all of the pollutants significantly emitted from the facility, including NOx. The results of that analysis showed that, for the facility itself, the maximum annual average ground level concentration of NOx (considered all NO₂) was 0.8 ug/m³. This value is less than the significant impact level for NO₂ of 1.0 ug/m³. Therefore, no further analysis for this pollutant was necessary.

The increase in NOx emissions associated with this modification is 173 tons/year. In order to evaluate the impact of this increase the Department remodeled the total emissions, as currently requested, for the critical year of meteorology as determined from the previous permit review. The stack parameters and emission characteristics associated with this modification along with the model output are contained in Appendix A. The ISCST (version 6) atmospheric dispersion model was used with 1976 Orlando meteorological data.

The results of the analysis show that the maximum annual average ground-level concentration of NOx is now predicted to be 1.2 ug/m³. Although this concentration is now fractionally above the significance level, the Department is reasonably assured that the ambient air quality standard for NO₂ (100 ug/m³, annual average) is protected. The Lake County area is a rural area and is an attainment area for both NO₂ and ozone.

The Chassahowitzka National Wilderness (Class I) Area is located approximately 70 kilometers from the Lake County

TABLE I
COMPARISON OF PRESENT AND PROPOSED EMISSION LIMITS PER UNIT

500 ppm (3000 scf/hr) @ 100%
ACI = 4 #/hr
CFF #
6.2%
0.2

Pollutant	Proposed Permit			Existing Permit	Change	
	Limit	Potential Emission		Potential	(b-d)	(c-d)
	ppm or gr/dscf (a)	@ 100% lb/hr (1) (b)	@ 115% lb/hr (c)	@ 100% lb/hr (d)	lb/hr (e)	lb/hr (f)
Particulate	0.015 gr/dscf	3.3	3.8	4.7 (0.020 gr/dscf)	-1.4	-0.9
SO ₂ (2)	60 ppmdv	15.5	17.8	29.2	-13.7	-11.4
	120 ppmdv	31.0	35.6	29.2 (58.4)	1.8 (-27.4)	6.4 (-22.8)
NO _x	385 ppmdv	71.8	82.5	52.1	19.7	30.4
CO	200 ppmdv	22.7	26.1	46.9 (400 ppmdv)	-24.2	-20.8
VOC	70 ppmdv	3.4	3.9	4.2	-0.8	-0.3
Lead	3.1 x 10 ⁻⁴ gr/dscf	0.069	0.079	0.1	-0.03	-0.02
Fluoride	1.5 x 10 ⁻³ gr/dscf	0.33	0.38	0.63	-0.30	-0.25
Beryllium	2.0 x 10 ⁻⁷ gr/dscf	4.5 x 10 ⁻⁵	5.1 x 10 ⁻⁵	1.04 x 10 ⁻⁵	3.5 x 10 ⁻⁵	4.1 x 10 ⁻⁵
Mercury(3)	3.4 x 10 ⁻⁴ gr/dscf	0.076	0.087	0.147	-0.21	-0.20
H ₂ SO ₄ (4)		<0.42	<0.42	0.42	<0	<0

1. Conversion from concentration to mass emission rate assumes $F_c = 1,800 \text{ scf CO}_2/10^6 \text{ BTU}$ for MSW fuel.
2. Proposed SO₂ limit: 60 ppm maximum expected emission.
120 ppm maximum allowed after 70% control without permit revision.
Existing permit: 29.2 lb/hr 30-day rolling average 58.4 lb/hr short term maximum.
3. Present mercury limit: 3,200 grams/day
4. No H₂SO₄ limit is proposed.

43,200 dscf/min

P.H. G
pg 3/4

facility. No additional analysis was performed to address the increased emissions of NOx on this area. This relatively small increase in conjunction with decreases for most of the other pollutants is judged by the Department to not warrant additional analysis. No impact on the Class I area is expected.

IV. Conclusion

Based on the information provided by NRG, the Department has reasonable assurance that the proposed project, as described in the application, and subject to the conditions proposed herein, will not cause or contribute to a violation of an ambient air quality standard or PSD increment, or any other provisions of Chapter 17-2 of the Florida Administrative Code.

Affidavit of Publication

Daily Commercial Leesburg, Lake County, Florida

Case No. _____

STATE OF FLORIDA
COUNTY OF LAKE

Before the undersigned authority personally appeared Paul Clarin, who on oath says that he is Controller of the Daily Commercial, a daily newspaper published at Leesburg in Lake County, Florida, that the attached copy of advertisement, being _____

Legal # A4BN00100
in the matter of Notes of Project
Modification
in the _____

Court was published in said newspaper in the issues of _____
Oct. 5, 1990

Affiant further says that the said Daily Commercial is a newspaper published in said Leesburg, in said Lake County, Florida, and that the said newspaper has heretofore been continuously published in said Lake County, Florida and has been entered as second class matter at the post office in Leesburg in said Lake County, Florida, for a period of one year preceding the first publication of the attached copy of advertisement; and affiant further says that he has neither paid non promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in said newspaper.

Signed Paul Clarin
Controller

Sworn to and subscribed before me this 23rd
day of Oct. A.D. 19 90

(Seal) Elizabeth K. Newberry
Notary Public
Notary Public, State of Florida at Large
My Commission Expires Aug. 28, 1994

My Commission Expires _____

NOTICE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION NOTICE OF PROJECT MODIFICATION

The Department of Environmental Regulation gives notice of its intent to issue a permit amendment Ogden Martin Systems of Lake, Inc., 40 Lane Road, CN 2615, Fairfield, NJ 07007-2615 to burn biohazardous waste at the waste-to-energy facility located on Jim Rogers Road in Okahupka, Lake County, Florida. This previously noticed and permitted project is to be modified by permit amendments to clarify the definition of municipal solid waste to include biohazardous waste and to add specific conditions of compliance for the of burning biohazardous waste. The previously noticed PSD increment consumption is not expected to change.

A person whose substantial interests are affected by this proposed permit amendment 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, Florida 32399-2400, within 14 days of receipt of this intent. Petitions filed by other persons must be filed within 14 days of publication of the public notice or within 14 days of their receipt of this intent, whichever first occurs. 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 substantial interests are affected by the De-

partment's action or proposed action; (d) A statement of the material facts disputed by Petitioner, if any; (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 Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the amendment 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 allowed time frame constitutes a waiver of any such 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.

The application is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at

Bureau of Air Regulation
Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida
32399-2400

Department of Environmental Regulation
Central Florida District Office
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767
Leesburg Library
204 N. 5th Street
Leesburg, Florida

Any person may send written comments on the proposed action to Ms. Cindy Phillips at the Department's Tallahassee address. All comments mailed within 30 days of the publication of this notice will be considered in the Department's final determination.

Furthermore, a public hearing can be requested by any person. Such requests must be submitted within 30 days of this notice.

No. A4BN00100
October 5, 1990



Department of Environmental Protection

Lawton Chiles
Governor

Central District
3319 Maguire Boulevard, Suite 232
Orlando, Florida 32803-3767

Virginia B. Wetherell
Secretary

RECEIVED

OCD-AP-96-24

JAN 25 1996

BUREAU OF
AIR REGULATION

Gary K. Crane, Ph.D.
Executive Vice President
Environmental Permitting
Ogden Martin Systems of Lake, Inc.
40 Lane Road
Fairfield, NJ 07007-2615

Lake County - AP
Lake County Resource Recovery Facility
Unit #2 - Medical Waste (Biohazardous Waste)

Dear Dr. Crane:

The Office of General Counsel (OGC) in Tallahassee has recently reviewed Laws of Florida, Chapter 94-325, with regard to Unit #2 and your desire to incinerate biohazardous waste in this unit as a backup to Unit #1. The OGC determined that the incineration of biohazardous waste (medical waste) will not be allowed since a moratorium is presently in effect as per this Florida Law.

To burn biohazardous waste in Unit #2 would require a construction permit application, but such an application could not be honored at this time because of the moratorium. The moratorium expires in October 1996. If the moratorium is not extended by the legislature this year, then you could re-address this matter with the Department at that time.

If you have any questions, please contact this office at (407) 893-3333.

Sincerely,

L. T. Kozlov, P.E.
Acting Program Administrator
Air Resources Management

Date 1-24-96

cc: D. Beason
David R. Crowe, Lake County
Clair Fancy
Val Linero

LK/dj

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

A. Lerner

INTEROFFICE MEMORANDUM

Sensitivity: COMPANY CONFIDENTIAL

Date: 16-Jun-1998 02:13pm

From: Alvaro Linero TAL
LINERO_A

Dept: Air Resources Management

Tel No: 850/921-9532

To: See Below

Subject: Medical Waste Combustion at Ogden Martin - Lake County Unit 2

This is a summary of a conversation I had with Mary Smallwood. Since that time, she called to request a meeting tomorrow if at all possible. Her client, Jason Gorrie of Ogden is out all next week and Mary will be out this Thursday and Friday.

I will be out tomorrow and I asked Joe Kahn and Susan Devore if they can help me out on it. Pat, can you help too? Joe will give you a rundown on the key issues. Thanks. Al.

Distribution:

To: Leonard Kozlov ORL	(KOZLOV_L @ A1 @ ORL1)
To: Clair Fancy TAL	(FANCY_C)
To: Susan DeVore TAL	(DEVORE_S)
To: Joseph Kahn TAL	(KAHN_J)
To: Jeffrey E. Brown TAL	(BROWN_JE)
To: Patricia Comer TAL	(COMER_P)
To: Cindy Phillips TAL	(PHILLIPS_C)
To: Michael Hewett TAL	(HEWETT_M)

TO: Cindy Phillips, Clair Fancy, Joe Kahn, Pat Comer, Jeff Brown,
Len Kozlov and Susan Devore-Fillmore

FROM: A. A. Linero

DATE: June 16, 1998

SUBJ: Medical Waste Capacity at Ogden Martin in Lake County

At the request of Clair Fancy, I returned Mary Smallwood's call which she had made to him in an effort to expedite approval to burn medical waste in Unit No. 2. Joe Kahn and I called her back and discussed the various permitting options including reissuing the construction permit, revising the operating permit, or issuing the Title V permit.

I reminded Mary that per our previous meeting we understand that only approximately 25 tons per day of medical waste will be processed at the facility. This had been the understanding of all participants at that meeting including herself.

She concurred with my statement and said she had confirmed it with the Ogden-Martin after our meeting. She then added Jason Gorrie of Ogden-Martin to our phone conversation. He stated they in fact want to maintain a facility limit of approximately 50 tons per day and that this limit is in their present operating permit.

I told Jason that at this rate, the amount of medical waste is no longer what might be typically found in a municipal solid waste stream. Instead it is a segregated waste. I informed Jason that processing a revision of any permit at the higher will undoubtedly take longer.

The Department as well as Ogden-Martin will research the original intent of their application from around 1990 to burn medical waste in their municipal waste combustor.

*U.C. - 25 TPD in
either unit, but
not both
simultaneously*

MEETING OF 9/17/98 - JOE KAHN - DEP
JASON GARRIE - OLDER
BRAND BAKER - OLDER

Major Points
In the Application to Amend PSD-FL-113
For Ogden Martin Systems of Lake, Inc.

1.0 Facility Operating Conditions

- The construction permit limit for biomedical waste is 240 ton-per-day and the total throughput for all waste is 288 ton-per-day.
- Facility throughput will be regulated by 40 CFR Part 60.53b which establishes combustor unit load as a 4-hour steam rate.
- Facility compliance with air permit criteria will be established by the continuous emission monitoring system and stack tests as required by Subpart Cb.

2.0 Acceptable Waste

- Reference nonhazardous solid waste capacity of 288 tons-per-day of per MWC of 5000 Btu/lb waste
- Reference nonhazardous biomedical waste capacity of 240 tons-per-day having 6000 Btu/lb HHV
- Nonhazardous solid waste includes municipal solid waste, biomedical waste, residential waste, institutional waste, commercial and industrial waste.
- Examples of commercial and industrial waste considered as processible solid waste are provided as Table 1.

3.0 Emission Guidelines

- Propose new set of air permit criteria – most stringent of parameters required by Cb, provided as Table 2.
- Propose deletion of permit criteria for HF, VOCs and beryllium
- Propose use of Cb where applicable including :
 - 4 hour block of steam generation rate for facility operating limit
 - 4 hour flue gas temperature into the baghouse as an operating limit
 - Use of Cb CEM standards lieu of existing permit conditions

Table 1
Examples of Processible Non-Hazardous Waste for the
Ogden Martin Systems of Lake, Inc.

*The authorized fuels for the facility are non-hazardous solid wastes including municipal solid waste (MSW) as defined at 40 CFR 60.51b and biomedical waste as defined at 62-210.200, F.A.C, except those materials that are prohibited by state or federal law or otherwise prohibited below. Examples of **Non-hazardous** solid waste materials that are acceptable for processing together with the municipal solid waste and biomedical waste can include the following:*

Wood pallets; construction, renovation, and demolition wastes; clean wood; industrial process or manufacturing wastes; yard wastes; refuse-derived fuel; and motor vehicle maintenance materials.

Items or materials suitable for human, plant, or domesticated animal use, consumption and/or application whose shelf-life has expired or which the generator wishes to remove from the market and ensure the proper destruction of, such as, but not limited to: off-specification or expired consumer-packaged products and pharmaceuticals, non-prescription medications, health care products, toothpaste, hand creams, cosmetics, shampoos, foodstuffs, nutritional supplements, returned goods, and controlled substances.

Consumer-packaged products intended for human or domesticated animal use and/or application but not consumption, such as, but not limited to: carpet cleaners, household or bathroom cleaners, polishes, waxes, detergents, etc.

Waste materials generated in the manufacture of items in the categories above that are functionally or commercially useless (expired, rejected, or spent), or finished products not yet formed or packaged for commercial distribution.

Packaging materials, natural and synthetic fibers, clothing, floor coverings of all types, fabric remnants, empty containers, debris items such as, but not limited to: aprons, gloves, floor sweepings and paints.

Waste materials that contain oil from routine cleanup of industrial or commercial establishments and machinery (such as, but not limited to non-terne or specialty oil filters) or the oil-contaminated materials

Table 1 (continued)
Examples of Processible Non-Hazardous Waste for the
Ogden Martin Systems of Lake, Inc.

used in the cleanup of spills of used or virgin petroleum products (including, but not limited to items such as: rags, lints and absorbents).

Waste materials generated by manufacturing, industrial, commercial, or agricultural activities including but not limited to items such as: filtercake from the manufacture of synthetic oil, paint overspray, or other filtration materials from industrial processes and systems.

Confidential documents (including, but not limited to business records, lottery tickets, event tickets, and microfilm).

Contraband which may be disposed of at the request of appropriately authorized local, state, or federal government agencies.

The authorized fuels may be received either as a mixture or as a single-item stream of household, commercial, institutional, agricultural, or industrial discards. The facility may receive oil spill debris. Waste tires may be accepted, but may not exceed 3% of the facility's fuel. The authorized fuels shall be well mixed with MSW or alternately charged with MSW. The facility owner shall not knowingly process prohibited fuels, such as lead-acid batteries, and sewage sludge from Publicly Owned Treatment Works.

Table 2
Comparison of Existing Permit Conditions and
Subpart Cb Requirements (a)

Parameter		Performance Standard		
Pollutant	Engineering Unit	Existing Permit	Subpart Cb	More Stringent
1.0 Acid Gases				
Sulfur Dioxide	% Removal	70	75	75
	PpmdV @ 7 % O ₂	NA	29	29
	PpmdV @ 12 % CO ₂	60	NA	None
	Average period (hrs)	6 hour rolling	24	24 Hour
Hydrogen Chloride				
Hydrogen Chloride	% Removal	90	95	95
	PpmdV @ 7 % O ₂	50	29	29
2.0 Nitrogen Oxides				
2.0 Nitrogen Oxides	PpmdV @ 7% O ₂	385	205	205
	Average period (hrs)		24	24
3.0 Metals				
3.1 Cadmium	Mg/dscm	None	0.04	0.04
3.2 Lead	Mg/dscm	None	0.44	0.44
	Gr/dscf @ 12 % CO ₂	0.00031	None	None
3.3 Mercury	Mg/dscm	None	80	80
	Gr/dscf @ 12 % CO ₂	0.00034	None	None
	% Removal	NA	85	85
4.0 Particulate				
4.1 Suspended	Gr/dscf @ 7 % O ₂	0.02	0.012	0.012
	Gr/dscf @ 12 % CO ₂	0.015	NA	None
4.2 Opacity	%		10	10
	Average period (minutes)	6	6	6
5.0 Dioxin/Furan				
5.0 Dioxin/Furan	Ng/dscm @ 7 % O ₂	None	30	30
6.0 Carbon Monoxide				
6.0 Carbon Monoxide	PpmdV @ 7% O ₂	100	100	100
	Average period (hrs)	1	24	24

(a) Pollutant scope is limited to scope regulated by Subpart Cb.

P 265 301 737

US Postal Service
Receipt for Certified Mail
 No Insurance Coverage Provided.
 Do not use for International Mail (See reverse)

Sent to Mr. Gary K. Crane	
Street & Number 40 Lane Road	
Post Office, State, & ZIP Code Fairfield, New Jersey	
Postage	\$ 07007-2615
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	\$
Postmark or Date 10/08/98	
Ogden Martin Systems of Lake, Inc. - 0690046-002-AC	

PS Form 3800, April 1995

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write "Return Receipt Requested" on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. Addressee's Address
2. Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Mr. Gary K. Crane
 Executive V.P.
 Ogden Energy Group, Inc.
 40 Lane Road
 Fairfield, New Jersey 07007-2615

4a. Article Number

P 265 301 737

4b. Service Type

- | | |
|---|---|
| <input type="checkbox"/> Registered | <input checked="" type="checkbox"/> Certified |
| <input type="checkbox"/> Express Mail | <input type="checkbox"/> Insured |
| <input type="checkbox"/> Return Receipt for Merchandise | <input type="checkbox"/> COD |

7. Date of Delivery

OCT 14 1998

5. Received By: (Print Name)

6. Signature: (Addressee or Agent)

X

Joseph R. Moretti

8. Addressee's Address (Only if requested and fee is paid)

Thank you for using Return Receipt Service.

UNITED STATES POSTAL SERVICE



First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Print your name, address, and ZIP Code in this box •

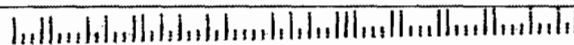
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF AIR RESOURCES MANAGEMENT
BUREAU OF AIR REGULATION - TITLE V
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400

MS 5505

RECEIVED

OCT 19 1998

BUREAU OF
AIR REGULATION





Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

October 5, 1998

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Gary K. Crane
Executive V.P.
Ogden Energy Group, Inc.
40 Lane Road
Fairfield, New Jersey 07007-2615

Re: File No. 0690046-002-AC
Ogden Martin Systems of Lake, Inc.

Dear Mr. Crane:

Enclosed is the "Notice of Application" which must be published twice pursuant to the statutory requirements. The applicant must also make separate notification to each city and county within one mile of the facility. Please review the enclosed notice for the specific requirements. Proof of publication for each notice, i.e., newspaper affidavit, must be provided to the Department's Bureau of Air Regulation office within seven days of publication. Note that the Department cannot consider the application to have been submitted, and therefore cannot begin review of the application, until the requirements for the first notice (the notification to the applicable city and county governments and the public notice) have been fulfilled. Failure to publish the notice and provide proof of publication may result in the denial of the permit.

If you have any other questions, please contact Ms. Cindy Phillips, P.E., at 850/488-0114.

Sincerely,

C. H. Fancy, P.E., Chief
Bureau of Air Regulation

CHF/jk

Enclosures

In the Matter of an
Application for Permit by:

Mr. Gary K. Crane, Executive V.P.
Ogden Energy Group, Inc.
40 Lane Road
Fairfield, New Jersey 07007-2615

File No. 0690046-002-AC
Ogden Martin Systems of Lake, Inc.
Lake County

NOTICE OF APPLICATION

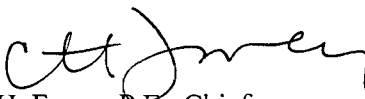
Pursuant to Section 403.707, F.S., you (the applicant) are required to publish at your own expense the enclosed "Notice of Application." The notice must be published twice pursuant to the statutory requirements. The applicant must also make separate notification to each city and county within one mile of the facility. The statute reads:

Before or on the same day of filing with the department of an application for any construction permit for the incineration of biomedical waste which the department may require by rule, the applicant shall notify each city and county within 1 mile of the facility of the filing of the application and shall publish notice of the filing of the application. The applicant shall publish a second notice of the filing within 14 days after the date of filing. Each notice shall be published in a newspaper of general circulation in the county in which the facility is located or is proposed to be located. Notwithstanding the provisions of chapter 50, for purposes of this section, a "newspaper of general circulation" shall be the newspaper within the county in which the installation or facility is proposed which has the largest daily circulation in that county and has its principal office in that county. If the newspaper with the largest daily circulation has its principal office outside the county, the notice shall appear in both the newspaper with the largest daily circulation in that county, and a newspaper authorized to publish legal notices in that county.

If you are uncertain that a newspaper meets these requirements, please contact the Department at the address or telephone number listed below. The applicant shall provide proof of publication of each notice to the Department's Bureau of Air Regulation, at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-0114; Fax 850/ 922-6979).

No permitting action for which published notice is required shall be granted until proof of publication of notice is made by furnishing a uniform affidavit in substantially the form prescribed in Section 50.051, F.S. to the office of the Department issuing the permit. The Department cannot consider the application to have been submitted, and therefore cannot begin review of the application, until the requirements for the first notice (the notification to the applicable city and county governments and the public notice) have been fulfilled. Failure to publish the notice and provide proof of publication may result in the denial of the permit.

Executed in Tallahassee, Florida.


C. H. Fancy, P.E., Chief
Bureau of Air Regulation

In the Matter of an
Application for Permit by:

Mr. Gary K. Crane, Executive V.P.
Ogden Energy Group, Inc.
Page 2

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this Notice of Application was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 10/8/98 to the person(s) listed:

Mr. Gary K. Crane, Ogden Energy Group, Inc. *
Mr. Brian Bahor, Ogden Energy Group, Inc.
Mr. Bill Crellin, P.E., Ogden Energy Group, Inc. (Okahumpka, FL)
Mr. Cecil Boatwright, Ogden Martin Systems of Lake, Inc.
Mr. Len Kozlov, P.E., DEP Central District
Mr. Richard Swartz, Chairman, Lake County Board of County Commissioners
Mr. Donald Post, Director, Lake County Solid Waste Management Division

Clerk Stamp

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

Barbara J. Boutwell 10/8/98
(Clerk) (Date)

10/19

Mary Smallwood
Gary Crane

Notice of Application

The Department of Environmental Protection announces receipt of an application for permit from Mr. Gary K. Crane, Executive V.P., Ogden Energy Group, Inc., 40 Lane Road, Fairfield, New Jersey 07007-2615, to burn up to 240 tons per day of biomedical waste in each of the two existing solid waste combustion units at Ogden Martin Systems of Lake, Inc. The facility is currently allowed to burn up to approximately 26 tons per day of biomedical waste in one of the existing combustion units, so this project will increase the allowable amount of biomedical waste by approximately 454 tons per day.

The applicant has also proposed to expand and clarify the types of solid wastes that may be burned at the facility to include such solid wastes as: municipal solid waste (MSW) as defined at 40 CFR 60.51b, biomedical waste as defined at Rule 62-210.200, F.A.C., records and documents, contraband, clean wood and land clearing debris, packaging materials, clothing and fabric remnants and certain types of floor covering, construction and demolition debris, oil spill cleanup debris, expired or off-specification consumer-packaged products (e.g. pharmaceuticals), consumer products, waste materials containing oil, industrial process or manufacturing wastes, agricultural wastes, waste tires (not to exceed 3 percent of the total wastes received), and certain other wastes similar to MSW. ~~Some of these wastes are currently allowed to be burned at the facility.~~ The precise nature of the wastes proposed is detailed in the application. The applicant has not proposed to limit the amount of segregated wastes combusted at the facility.

This proposed project will be located at the existing waste combustion facility in Lake County at 3830 Rogers Industrial Park Road, Okahumpka, Florida 34762. This application is being processed and is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-0114; Fax 850/ 922-6979). The Department's contact for this project is Ms. Cindy Phillips, P.E. Comments may be submitted to the above address.

INTEROFFICE MEMORANDUM

Sensitivity: COMPANY CONFIDENTIAL

Date: 14-Oct-1998 11:13am
From: Joseph Kahn TAL
KAHN_J
Dept: Air Resources Management
Tel No: 850/921-9519

To: Cindy Phillips TAL (PHILLIPS_C)

Subject: Ogden Lake Notice of Application

I received a call today (since you were away from the office) from Jason Gorrie and Brian Bahor of Ogden regarding the notice of application. They said that Mary Smallwood advised them that Ogden must comply with the notice requirements, but they disagree that the notice language I drafted meets the statutory requirement of 403.707 that the notice contain a brief description of the project. I suggested that they write to Clair if they wish to propose different language for the notice. I cautioned them that they should not publish any notice that has language that we have not agreed with. They understand that review of the application will not start until we receive proof of compliance with the initial notice requirements. I mentioned this to Clair this morning.

**DEPARTMENT OF
SOLID WASTE MANAGEMENT SERVICES**

P.O. BOX 7800
13130 ASTATULA LANDFILL ROAD
TAVARES, FLORIDA 32778-7800
(352) 343-3776
FAX (352) 343-9257



SENIOR DIRECTOR - EXT. 232
SOLID WASTE OPERATIONS DIRECTOR - EXT. 223
OPERATIONS AND SUPPORT - EXT. 221
RECYCLING SERVICES - EXT. 230
SCALEHOUSE OPERATIONS - EXT. 237
SPECIAL PROGRAMS - EXT. 227
SPECIAL WASTE - EXT. 238
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WASTE MANAGEMENT FACILITIES OPERATIONS - EXT. 222

Via FedEx
October 26, 1998

C.H. Fancy, PE, Chief
Bureau of Air Regulation
Florida Department of Environmental Protection
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee FL 32399-2400

RE: Ogden Martin Systems of Lake, Inc. Permit Modification Application
Your Reference: 0690046-002-AC

Dear Mr. Fancy:

Pursuant to our telephone conversation last week, regarding the above referenced request by Ogden Martin Systems of Lake to modify their construction permit to processing of more medical waste than currently allowed, I am enclosing a copy of Lake County's contractual service agreement with Ogden Martin for your ready reference.

Should you have any additional questions, please feel free to contact me at the above address, or by telephone at (352) 343-3776, extension 227.

Sincerely,

David R. Crowe
Senior Contract Administrator

DRC/bhs

cc: Donald R. Post, Senior Solid Waste Management Director (w/o enclosure)
Kathleen Farner-Thomas, Solid Waste Operations Director(w/o enclosure)

[Execution Copy]

EXHIBIT A
TO RESOLUTION
1988-119

ADDENDUM XII

TO

NRG/LAKE COUNTY AGREEMENT
(As Amended and Restated)

Dated as of November 8, 1988

ADDENDUM XI

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(The Table of Contents is not a part of the Service Agreement
but is for convenience of reference only)

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all amounts payable by the County from non-ad valorem special assessments or other lawful charges for the use of the Solid Waste System to dispose of solid waste and amounts received by the County from Ogden Corporation pursuant to the Guaranty Agreement.

"Tipping Fee Revenues" shall have the meaning as set forth in Section 8.03 of this Agreement.

"Ton" or "ton" shall mean a short ton consisting of 2,000 pounds.

"Trustee" shall mean the entity serving as trustee under the Indenture.

"Unacceptable Waste" shall mean (i) Hazardous Waste and (ii) items in quantities or concentrations which, if accepted at the Facility, would be likely to materially adversely affect the operation of the Facility, damage the Facility or result in a violation of any permit for the Facility or any applicable law, including, without limitation, the items listed below; provided, however, that no such items shall constitute Unacceptable Wastes if and to the extent that such items (x) are normally found in household waste, or in commercial or institutional waste in small quantities and concentrations and (y) may be processed at the Facility under applicable law, excluding the items listed in (a) through (k) below to the extent that they damage the Facility or result in a violation of any permit for the Facility:

- (a) Demolition or construction debris from building and roadway projects or locations (other than demolition or construction debris that consist primarily of combustible materials and is not likely to adversely affect the operation of the Facility or result in a violation of any permit for the Facility or applicable law).
- (b) Liquid wastes or any sludges (unless the County has approved the inclusion of equipment as a Required Change to allow the processing of dry sludge).
- (c) Tires, marine vessels, or motor vehicles or any major parts or components thereof.
- (d) Dead animals or portions thereof.
- (e) Pathological wastes.
- (f) Water treatment residues.

- (g) Tree stumps, stems, branches or other combustibles over six inches (6") in diameter or in excess of four feet (4') in length (unless the County has approved the inclusion of equipment as a Required Change to reduce the size of such materials in the specifications for the Facility).
- (h) Waste oil.
- (i) Machinery (other than small household appliances) or equipment including, without limitation, discarded "white goods" such as freezers, refrigerators, washing machines, etc.
- (j) Industrial wastes unless such material is reviewed by NRG and the County and is determined to meet the requirements set forth above.
- (k) Other large, bulky or unsuitable items such as mattresses, beds, furniture, carpets, bicycles, baby carriages and the like.

Notwithstanding the above limitations, Unacceptable Waste shall not include Specially Permitted Waste.

"Wrongfully Rejected Waste" shall have the meaning as set forth in Section 8.09(b)(i) of this Agreement.

into interlocal agreements with all municipalities within the County causing the adoption of similar ordinances within the respective jurisdictions of such municipalities.

The County further agrees to use reasonable efforts to cause additional Acceptable Waste within the County to be delivered to the Facility, to the extent necessary to allow the Facility to operate continually at 163,000 tons of Acceptable Waste per year. At the request of NRG, the County shall cooperate with NRG in its efforts to obtain substitute Acceptable Waste from sources outside the County to the extent necessary to allow the Facility to operate continually at its capacity.

If the County fails to deliver the Guaranteed Annual Tonnage, the County nevertheless shall be responsible for the payment of the Service Fee as provided in Article VIII hereof. If the County is unable to deliver at least the Guaranteed Annual Tonnage, the County shall use all reasonable efforts to obtain Acceptable Waste from other persons. NRG shall cooperate with the County in its efforts to obtain substitute Acceptable Waste; provided, however, that NRG's failure to obtain such substitute Acceptable Waste shall not reduce the County's obligation to pay the Service Fee and shall not constitute an Event of Default on the part of NRG hereunder. To the extent substitute Acceptable Waste is obtained by the County, it shall be credited toward the County's obligation to deliver Guaranteed Annual Tonnage provided that the full Service Fee per ton of Acceptable Waste as contemplated in Article VIII is paid with respect to such substitute Acceptable Waste.

The Flow Control Ordinance, the Special Assessments Ordinance and the Interlocal Agreements shall not be amended, modified, changed, superseded or impaired by the County without the prior written consent of NRG. Furthermore, the County agrees, for the benefit of NRG and any assignee of NRG, that it shall not fail to (i) comply with its obligations as set forth in the Flow Control Ordinance and the Interlocal Agreements, or (ii) enforce the Flow Control Ordinance and the Interlocal Agreements, except to the extent prohibited by applicable law.

Section 5.02. Scheduling. The County shall commence delivery of Guaranteed Annual Tonnage immediately upon the Service Date. In addition, following the Startup Date, the County shall deliver to the Facility such quantities of Acceptable Waste as NRG may reasonably request upon seven (7) days' advance written notice in order to operate the Facility between the Startup Date and the Service Date; provided, however, that in no event shall the County be required to



GARY K. CRANE, Ph.D.
Executive Vice President, Environmental

40 Lane Road
Fairfield, NJ 07004
973 882 7248
Fax 973 882 4167
E-mail: Gary_Crane@Ogden-Energy.com

14 October 1998

RECEIVED

OCT 22 1998

**BUREAU OF
AIR REGULATION**

Mr. C.H. Fancy, P.E., Chief
Bureau of Air Regulation
Florida Department of Environmental Protection
2600 Blair Stone Road
Mail Station 5505
Tallahassee, Florida 32399-2400

Dear Mr. Fancy:

On October 13, 1998 we received your letter dated October 5, 1998 specifying the "Notice of Application" requirements associated with our recently submitted application. We have reviewed Chapter 403.707 of the Florida Statutes and concur with your assessment regarding the need for such Notice. In keeping with the requirements of 403.707(9) F.S., we, the applicant, have prepared a "Notice of Application" by clarifying your suggested language.

We believe that the language in the attached Notice meets the statutory requirement for briefly describing the project to the public. Our goal is to release the "Notice of Application" for publication during the week of October 19, 1998.

Sincerely,

Gary K. Crane
Attach.

cc: Bill Crelin



Notice of Application

The Department of Environmental Protection announces receipt of an application for a permit from Mr. Gary K. Crane, Executive V.P., Ogden Energy Group, Inc., 40 Lane Road, Fairfield, New Jersey 07007-2615, to limit the amount of biomedical waste in each of the two existing solid waste combustion units at Ogden Martin Systems of Lake, Inc., to 240 tons per day each. The applicant has also proposed to clarify the types of solid wastes that may be burned at the facility. The precise nature of the wastes proposed is detailed in the application. The application also addresses how the facility will comply with the requirements of 40 CFR 60, Subpart Cb, Emissions Guidelines and Compliance Schedules for Municipal Waste Combustors.

This proposed project will be located at the existing waste combustion facility in Lake County at 3830 Rogers Industrial Park Road, Okahumpka, Florida 34762. This application is being processed and is available for public inspection during normal operating hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-0114; Fax 850/922/6969). The Department's contact for this project is Ms. Cindy Phillips, P.E. Comments may be submitted to the above address.

Florida Department of
Environmental Protection

Memorandum

To: Cindy Phillips, P.E.

From: Joseph Kahn, P.E. *JK*

Date: October 30, 1998

Re: Ogden Lake Application, Project 0690046-002

Following are my comments on the Ogden Lake application for biomedical waste and fuel slate revision. Please let me know if you have any questions about these.

1. There is no description of how the facility will physically receive, store, handle and load the proposed daily quantity of biomedical waste (BMW). Presumably the BMW could not be simply tipped on the tipping floor and pushed into the pit for transfer to the loading chute by crane. The Department of Health rule 16E-64 proscribes handling and storage requirements for BMW that are applicable to this facility, and Ogden should be required to describe how they intend to comply with those requirements.
2. Referring to section 2.3, page 3 of the narrative portion of the application, the 240 TPD maximum throughput of BMW occurs in the peak load range of the stoker capacity diagram (Appendix G). The maximum throughput in the normal operating range is 9.25 TPH or 222 TPD, each unit.
3. The proposal to burn such large amounts of BMW should be considered to be a change in the method of operation of the facility and should be evaluated for PSD applicability. In the absence of rebuttal information, it is reasonable to conclude that Ogden will attempt to operate the facility in the future at a higher capacity utilization in order to maximize the throughput of BMW and MSW and other solid wastes. An increase in capacity utilization would increase future potential emissions as compared with past actual emissions, even with no change in the wastes combusted. Review of ARMS AOR data shows that the facility is not running at its maximum hours of operation or waste throughput capacity. The average of the last two years operating information should be used to establish past capacity utilization for PSD purposes:

Unit	Avg. Oper. Hrs.	Hrs. Capacity Utilization ¹	Avg. Tons Burned	Avg. TPH	Tons Capacity Utilization ²
1	8011	0.91	76572	9.6	0.80
2	8082	0.92	78562	9.7	0.81

¹ Hours capacity utilization determined by avg. operating hours/8760 hours.

² Tons capacity utilization determined by avg. TPH/12 TPH. 12 TPH corresponds to maximum capacity of 288 tons per day.

If the past actual to future potential emissions comparison shows a PSD significant increase in emissions will occur as a result of increased utilization from the proposed change, Ogden will have to submit a PSD permit application and evaluate and apply top down BACT, which may or may not be the same as the emission guideline requirements or the NSPS (MACT) for MWCs or BMW combustors.

4. For solid waste other than MSW and BMW, Ogden proposes a similar waste definition (waste slate) to the definition used recently for the Tampa McKay Bay and Hillsborough County facilities, but Ogden

omits the 5% limitation by weight on certain segregated loads included in those permits. The 5% limitation on segregated loads provides the Department with reasonable assurance that the segregated loads (with are generally a single item waste stream) will represent a minor fraction of the total waste combusted, so emissions should be similar to those from combusting only MSW. This limitation prevents the units from combusting a waste consisting solely of one waste type (such as consumer products like shampoo or household cleaners) at any given time, with an unknown effect on emissions. The 5% limitation should not be omitted without addressing the issue of reasonable assurance that such omission will not result in increased emissions from combustion of large quantities of a single item waste stream, or from increased capacity utilization (similar to the capacity utilization issue for BMW discussed above).

The Ogden Lake waste definition has other substantial differences from the McKay Bay and Hillsborough permit conditions. Ogden's proposal to accept industrial process or manufacturing wastes and wastes generated by manufacturing, industrial, commercial or agricultural activities is not specific. The Department's previous permits required that such wastes must be substantially similar to items found in MSW and that acceptance of such wastes was subject to prior approval by the Department.

5. The request in section 4.2.1 to remove the emission limit for VOCs seems reasonable to me. The emission guideline's CO limit and requirements for good combustion practices are acceptable alternatives. However, the ability of the combustion units to properly burn BMW in the amounts requested must be evaluated. Ogden has provided no information that the units are capable of combusting the requested amount of BMW and meeting the emission limits of the emission guideline.

6. The request for removal of the emission limits for beryllium and fluorides should include an evaluation of the possibility that combustion of the requested quantity of BMW or proposed segregated wastes will increase emissions of those pollutants. No information on future potential emissions was provided. Fluorides are a PSD pollutant so Ogden must provide a past actual to future potential emission comparison to make any change in this limit. If combustion of the BMW or the proposed segregated wastes will increase emissions of fluorides, the possible capacity utilization increase must be evaluated.

7. The maximum potential emissions calculations in Appendix F appear to be based on the existing permit limits, so these emissions do not reflect future potential emissions based on the emission limits of the emission guideline.



Ogden Martin Systems of Lake, Inc.
3830 Rogers Industrial Park Rd.
Okahumpka, FL 34762
352 365 1611
Fax 352 365 6359

November 2, 1998

RECEIVED

NOV 03 1998

**BUREAU OF
AIR REGULATION**

Ms. Cindy Phillips
Title V Permitting Engineer
Florida Department of Environmental Protection
Twin Towers Office Building
2600 Blair Stone Rd.
Tallahassee, Florida 32399-2400

*SUBJ: Proof of Publication
Ogden Martin Systems of Lake, Inc.*

Dear Ms. Phillips:

Attached, please find the required Proof of Publication for our recently published Notice of Application. The same notice is scheduled to run in the November 4, 1998 edition of the Lake Sentinel. We will forward the Proof of Publication to your office when it is received. In addition, we also be forwarding copies of certified letters that have been sent to Lake County and the City of Leesburg. If additional information is needed, please contact me at (352) 365-1611.

Sincerely,

Jason M. Gorrie
Senior Environmental Engineer
Ogden Martin Systems of Lake, Inc.

cc: B. Bahor
M. Slaby
file



The Orlando Sentinel

Published Daily

State of Florida } S.S.
COUNTY OF ORANGE }

Before the undersigned authority personally appeared Julia Nichols, who on oath says that he/she is the Legal Advertising Representative of The Orlando Sentinel, a daily newspaper published at TAVARES LAKE County, Florida; that the attached copy of advertisement, being a NOTICE OF APPLICATION in the matter of MSW in the LAKE Court, was published in said newspaper in the issue; of 10/24/98

Affiant further says that the said Orlando Sentinel is a newspaper published at TAVARES LAKE County, Florida, and that the said newspaper has heretofore been continuously published in said LAKE County, Florida, each Week Day and has been entered as second-class mail matter at the post office in TAVARES LAKE County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

The foregoing instrument was acknowledged before me this 28th day of October, 19 98, by Julia Nichols, who is personally known to me and who did take an oath.

(SEAL)

ELAINE E. PARKER
My Comm Exp. 9/27/2002
No. CC 778400
 Personally Known Other I.D.

NOTICE OF APPLICATION

The Department of Environmental Protection announces receipt of an application for a permit from Mr. Gary K. Crane, Executive V.P. Ogden Energy Group, Inc., 401 Lane Road, Fairfield, New Jersey 0700-2615, to increase the amount of biomedical waste in each of the two existing solid waste combustion units at Ogden Martin Systems of Lake, Inc. to 240 tons per day each.

The applicant has also proposed to clarify the types of solid wastes that may be burned at the facility to include such solid wastes as municipal solid waste (MSW) as defined at 40 CFR 60.51b, biomedical waste as defined at Rule 62-2100.200, F.A.C., records and documents, contraband, clean wood and land clearing debris, packaging materials, clothing and fabric remnants and certain types of floor covering, construction and demolition debris, oil spill clean-up debris, expired or off-specification consumer-packaged products (e.g. pharmaceuticals), consumer products, waste materials containing oil, industrial process or manufacturing wastes, agricultural wastes, waste tires (not to exceed 3 percent of the total wastes received), and certain other wastes similar to MSW. The precise nature of the wastes proposed is detailed in the application. The applicant has not proposed to limit the amount of segregated wastes combusted at the facility.

The application also addresses how the facility will comply with the requirements of 40 CFR 60, Subpart Cb, Performance Standards for Existing Municipal Waste Combustors.

This proposed project will be located at the existing waste combustion facility in Lake County at 3830 Rogers Industrial Park Road, Oakhumpka, Florida 34782. This application is being processed and is available for public inspection during normal operation hours 8:00 a.m. to 5:00 p.m. Monday through Friday, except legal holidays, at the Department of Environmental Protection, Bureau of Air Regulation, 2800 Blair Stone Road, Mail Station #5505, Tallahassee Florida 32399-2400 (Telephone: 850/488-0114; Fax 850-922/6989). The Departments contact for this project is Ms. Cindy Phillips, P.E. Comments may be submitted to the above address.
LAK2392991 OCT. 24, 1998

OGDEN



05 November 1998

Ogden Martin Systems of Lake, Inc.
3830 Rogers Industrial Park Rd.
Okahumpka, FL 34762
352 365 1611
Fax 352 365 6359

Ms. Cindy Phillips
Title V Permitting Engineer
Florida Department of Environmental Protection
Twin Towers Office Building
2600 Blair Stone Rd.
Tallahassee, Florida 32399-2400

RECEIVED

NOV 06 1998

BUREAU OF
AIR REGULATION

*SUBJ: City and County Notification
Ogden Martin Systems of Lake, Inc.*

Dear Ms. Phillips:

Attached, please find copies of certified letters that were mailed to the City of Leesburg and Lake County in accordance with Chapter 403.707(9) of the Florida Statutes. The required second newspaper notice ran in the 11/4/98 version of the Lake Sentinel. As soon as the Affidavit of Publication is received, we will forward it along to your office. If additional information is needed, please contact me at (352) 365-1611.

Sincerely,

Jason M. Gorrie
Senior Environmental Engineer
Ogden Martin Systems of Lake, Inc.

cc: M. Slaby
B. Bahor
file





October 28, 1998

Sue B. Whittle
County Manager
Lake County Courthouse
315 W Main St
Tavares, FL 32778

Ogden Martin Systems of Lake, Inc.
3830 Rogers Industrial Park Road
Okahumpka, FL 34762
352 365 1611
Fax 352 365 6359

Dear Sue:

In accordance with Chapter 403.707(9) of the Florida Statutes, please be advised that Ogden Martin Systems of Lake, Inc. is filing application with the Florida Department of Environmental Protection (DEP) for an amended construction permit for the incineration of medical waste. This application is being submitted to increase the permitted amount of biomedical waste to 240 tons per day per combustor. The application also proposes to clarify the types of allowable solid wastes and further addresses how the facility will comply with the more stringent requirements of 40 CFR 60, Subpart Cb, Emissions Guidelines for Existing Municipal Waste Combustors.

The existing construction permit imposes no throughput limitation on the amount of medical waste that can be processed within the cited combustor's capacity of 288 tons per day (TPD). The application being submitted proposes a limitation of 240 TPD for each combustor.

The application is being processed and is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400 (Telephone: 850/488-0114; Fax 850/922-6979). We will also be notifying the City of Leesburg, as well as publishing two legal notices in the Lake Sentinel.

For the convenience of Lake County, we are forwarding to David Crowe, Lake County Senior Contract Administrator, a copy of the permit application. Ogden personnel would be glad to walk through the application with you, your staff, and/or the Lake County Commissioners to discuss details. Should you or your staff have any questions or concerns, please feel free to contact me.

Sincerely,

Mark L. Slaby
Business Manager

CC: Donald R. Post, Senior Director
Cecil Boatwright
Gary Crane

● **SENDER:** Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. 2. Restricted Delivery (Extra charge)

3. Article Addressed to: <i>Lake Co. Courthouse Sue Whittle 315 W. Main Street Tavares, FL 32778</i>		4. Article Number <i>P296 459 067</i>	
5. Signature - Addressee <i>X</i>		Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	
6. Signature - Agent <i>X</i>		Always obtain signature of addressee or agent and DATE DELIVERED.	
7. Date of Delivery		8. Addressee's Address (ONLY if requested and fee paid)	

296 459 067

RECEIPT FOR CERTIFIED MAIL
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

U.S.G.P.O. 1989-234-555	Sent to <i>Lake Co. Courthouse Sue Whittle</i>	
	Street and No. <i>315 W. Main St</i>	
	P.O., State and ZIP Code <i>TAVARES, FL 32778</i>	
	Postage	\$ <i>.32</i>
	Certified Fee	\$ <i>1.35</i>
	Special Delivery Fee	
	Restricted Delivery Fee	
	Return Receipt showing to whom and Date Delivered	\$ <i>1.10</i>
	Return Receipt showing to whom, Date, and Address of Delivery	
	Total Postage and Fees	\$ <i>2.77</i>

PS Form 3800, June 1985





October 28, 1998

Tony Otte
Leesburg City Manager
PO Box 490630
Leesburg, FL 34749

*Ogden Martin Systems of Lake, Inc.
3830 Rogers Industrial Park Road
Okahumpka, FL 34762
352 365 1611
Fax 352 365 6359*

Dear Tony:

In accordance with Chapter 403.707(9) of the Florida Statutes, please be advised that Ogden Martin Systems of Lake, Inc. is filing application with the Florida Department of Environmental Protection (DEP) for an amended construction permit for the incineration of medical waste. This application is being submitted to increase the permitted amount of biomedical waste to 240 tons per day per combustor. The application also proposes to clarify the types of allowable solid wastes and further addresses how the facility will comply with the more stringent requirements of 40 CFR 60, Subpart Cb, Emissions Guidelines for Existing Municipal Waste Combustors.

The existing construction permit imposes no throughput limitation on the amount of medical waste that can be processed within the cited combustor's capacity of 288 tons per day (TPD). The application being submitted proposes a limitation of 240 TPD for each combustor.

The application is being processed and is available for public inspection during normal business hours, 8:00 a.m. to 5:00 p.m., Monday through Friday, except legal holidays, at the Department of Environmental Protection, Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee, Florida 32399-2400. (Telephone: 850/488-0114; Fax 850/922-6979). We will also be notifying Lake County, as well as publishing two legal notices in the Lake Sentinel.

For the convenience of Solid Waste Department of Lake County, we are forwarding to David Crowe, Lake County Senior Contract Administrator, a copy of the permit application. Should you or your staff have any questions or concerns, please feel free to contact me.

Sincerely,

Mark L. Slaby
Business Manager

CC: Cecil Boatwright
Gary Crane



SENDER: Complete items 1 and 2 when additional services are desired, and complete items 3 and 4.

Put your address in the "RETURN TO" Space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for additional service(s) requested.

1. Show to whom delivered, date, and addressee's address. 2. Restricted Delivery (Extra charge)

3. Article Addressed to: Tony Otte, Manager City of Leesburg PO BOX 490630 Leesburg, FL 34749		4. Article Number 0296 459 306	
		Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	
		Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee X		8. Addressee's Address (ONLY if requested and fee paid)	
6. Signature X			
7. Date of Delivery			

PS Form 3811, Apr. 1985

* U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

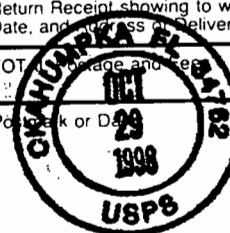
P 296 459 306
RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

U.S.G.P.O. 1989-234-555

Send to	City of A
Street and No.	PO BOX 490630
P.O., State and ZIP Code	Leesburg, FL 34749
Postage	\$.32
Certified Fee	1.35
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	1.10
Return Receipt showing to whom, Date, and Class of Delivery	
TOTAL postage and fees	\$ 2.79
Postmark or Date	DEL 29 1988

PS Form 3800, June 1985





Ogden Martin Systems of Lee, Inc.

10500 Buckingham Road
Suite 400
Ft. Myers, FL 33905

10 November 1998

Ms. Cindy Phillips
Title V Permitting Engineer
Florida Department of Environmental Protection
Twin Towers Office Building
2600 Blair Stone Rd.
Tallahassee, Florida 32399-2400

*SUBJ: Proof of Publication
2nd Notice of Application
Ogden Martin Systems of Lake, Inc.*

Dear Ms. Phillips:

Attached, please find the Proof of Publication for the 2nd Notice of Application related to our recently submitted application. If additional information is needed, please contact me at (352) 365-1611.

Sincerely,

Jason M. Gorrie
Senior Environmental Engineer
Ogden Martin Systems of Lake, Inc.

cc: B. Bahor
M. Slaby



The Orlando Sentinel

Published Daily

State of Florida } s.s.
COUNTY OF ORANGE }

Before the undersigned authority personally appeared Denise Little

, who on oath says that he/she is the Legal Advertising Representative of The Orlando Sentinel, a daily newspaper published at TAVARES LAKE in LAKE County, Florida; that the attached copy of advertisement, being a NOTICE OF APPLICATION in the matter of Application

in the LAKE Court, was published in said newspaper in the issue; of 11/04/98

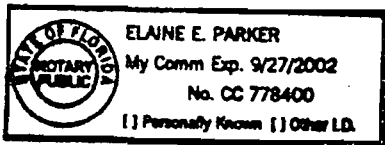
Affiant further says that the said Orlando Sentinel is a newspaper published at TAVARES LAKE in said LAKE County, Florida, and that the said newspaper has heretofore been continuously published in said LAKE County, Florida, each Week Day and has been entered as second-class mail matter at the post office in TAVARES LAKE in said LAKE County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/she has neither paid nor promised any person, firm or corporation any discount, rebate, commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Denise Little

The foregoing instrument was acknowledged before me this 4 day of November, 1998, by Denise Little who is personally known to me and who did take an oath.

Elaine E. Parker

(SEAL)



NOTICE OF APPLICATION
The Department of Environmental Protection announces receipt of an application for a permit from Mr. Gary K. Crane, Executive V.P. Ogden Energy Group, Inc., 401 Lane Road, Fairfield, New Jersey 0700-2615, to increase the amount of bio-medical waste in each of the two existing solid waste combustion units at Ogden Martin Systems of Lake, Inc. to 240 tons per day each.
The applicant has also proposed to clarify the types of solid wastes that may be burned at the facility to include such solid wastes as municipal solid waste (MSW) as defined at 40 CFR 60.51b, biomedical waste as defined at Rule 32-210.200, F.A.C. records and documents, contra-banc, clean wood and land clearing debris, packaging materials, clothing and fabric remnants and certain types of floor covering; construction and demolition debris, oil spill cleanup debris, expired or off-specification consumer-packaged products (e.g. pharmaceuticals),

consumer products, waste materials, containing oil, industrial process or manufacturing wastes, agricultural wastes, wastetures (not to exceed 3 percent of the total wastes received), and certain other wastes similar to MSW. The precise nature of the wastes proposed is detailed in the application. The applicant has not proposed to limit the amount of segregated wastes combusted at the facility.

The application also addresses how the facility will comply with the requirements of 40 CFR 60, Subpart Cb, Performance Standards for Existing Municipal Waste Combustors.

This proposed project will be located at the existing waste combustion facility in Lake County at 3830 Rogers Industrial Park Road, Oakumpka, Florida 34762. This application is being processed and is available for public inspection during normal operation hours 8:00 a.m. to 5:00 p.m. Monday through Friday, except legal holidays, at the Department of Environmental Protection, Bureau of Air Regulation, 2600 Blair Stone Road, Mail Station #5505, Tallahassee Florida 32399-2400 (Telephone: 850/488-0114; Fax 850-922/6969). The Departments contact for this project is Ms. Cindy Phillips, P.E. Comments may be submitted to the above address. LAK2409352 Nov. 4, 1998



Cindy

Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

December 18, 1998

Gary K. Crane, Ph.D.
Executive Vice President
Ogden Martin Systems of Lake, Inc.
3830 Rogers Industrial park Rd
Okahumpka, FL 34762

Re: Initial Title V Permit Application
Ogden Martin Systems of Lake, Inc.

Dear Dr. Crane:

Thank you for the timely submittal of your initial Title V Air Operation Permit application for Ogden Martin Systems of Lake, Inc. The Department will begin reviewing this application in the near future. Before we begin the review, we would like to extend the opportunity for you to examine the List of Applicable Regulations provided in your application. **This is not a letter of incompleteness.**

The promulgation of the New Source Performance Standards (NSPS) 40 CFR 60, Subparts Cb, Cc, Ea, and Eb has occurred after the submittal of your initial Title V Air Operation Permit application. If any of these subparts has applicability to your facility and they were not included in the List of Applicable Regulations, please provide this office with a revised permit application listing all applicable regulations, an updated statement of compliance, and the appropriate certifications, so that the permit shield can be extended to include the appropriate NSPS subpart.

Please submit your Title V permit application revision, if required, to my attention at the above letterhead address. If you have any other questions, please contact Cindy L. Phillips, P.E., at 850/921-9534.

Sincerely,

Scott M. Sheplak, P.E.
Administrator
Title V Section

SMS/p
[V:/ Formats:/RRF-cert.doc]

Date: 11/24/98 3:49:00 PM
From: Jan Rae Clark TAL
Subject: Ogden Systems of Lake-Comments on application
To: See Below

Clair,

Thanks for giving us the opportunity to make comments on the application to amend the permit for Ogden Martin Systems of Lake.

As you may recall, most of the biomedical waste management program was transferred to Department of Health(DOH) via 1996 legislation. An interagency agreement defining the operating procedures and responsibilities of DEP and DOH pertaining to biomedical waste was drafted and became effective October 24, 1996. Section 4(b) of this agreement requires that DEP accept and act on application for storage permits at biomedical waste incinerators; incorporate storage, operating and contingency requirements into air operation permits whenever possible in lieu of separate permits, and perform inspections at such storage facilities. The DOH provides the standard permit conditions that the DEP will incorporate into these permits. In light of this agreement, I have taken the liberty of sending a copy of this application to Edith Coulter at DOH to coordinate their review and to provide permit conditions for biomedical waste storage to you.

The application requests permission to establish their facility fuel stream as "processable, non-hazardous solid waste." We have no objection to this definition or fuel stream, provided that a recordkeeping system is instituted and is adequate to verify the quantity and the non-hazardous nature of the materials combusted.

Jan Rae

To: Clair Fancy TAL
To: Cindy Phillips TAL
To: Joseph Kahn TAL
CC: Bill Hinkley TAL
CC: Mary Jean Yon TAL
CC: James Bradner ORL
CC: Edith Coulter
CC: Chris McGuire TAL
CC: Jan Rae Clark TAL

Date: 11/25/98 8:21:39 AM
From: Joseph Kahn TAL
Subject: Re: biomedical waste storage conditions permit
To: Edith Coulter
To: fancy_c
CC: phillips_c
CC: clark_jr

Edith,

Thank you for the storage conditions to include in the permit. Although Cindy is the principal reviewer of this application, I want to raise a couple of issues because I am still concerned with what Ogden has proposed so far. Ogden wants to be allowed to burn up to 480 tons per day of biomedical waste in two municipal waste combustion units. The facility is now permitted to burn up to 576 tons per day of solid waste in the two units, and is allowed to burn up to about 26 tons per day of biomedical waste in one of the units.

These units are charged with solid waste from a refuse receiving pit via an overhead crane and clamshell loader which delivers the waste into large hoppers. Solid waste descends through these hoppers into each boiler through a waste feed chute. My understanding is the relatively small amount of biomedical waste is delivered to the hopper or feed chute by a separate conveyor system that must be loaded by hand. According to the district office staff, there is no way that this manually-loaded conveyor system can handle more than the currently permitted 26 TPD of biomedical waste. Ogden has not provided any information about how it can safely charge 480 TPD of biomedical waste into the units.

I presume that Ogden cannot simply dump the biomedical waste into the receiving pit with the other solid waste and load it into the units using the overhead crane, although I can't find a specific prohibition of that practice in Chapter 64E-16. The general requirements of Rule 64E-16.003, particularly paragraphs (1)(c) and (d) imply that mixing with other wastes is not a practice to be encouraged. Also Rule 64E-16.004(2)(a) suggests that if the loading practice (such as a clamshell, for example) would rupture the packaging prior to incineration, that would not be permitted. Do you have any thoughts about what we should require for handling practices to load the waste into the units? I believe that Ogden must tell us how it will load the proposed amount of biomedical waste into the units, but it seems to me that this step, which is intermediate between storage and treatment (incineration), is not well covered in the rule.

Ogden's application did not have any information about how or where it will store the biomedical waste prior to treatment. Do you think they should address that as part of our application review? To my knowledge, Ogden has also not provided us with a written operating plan. Such a plan is, of course, required pursuant to Rule 64E-16.003(2). Do you think we should review their plan as part of our review?

Please let us know what you think about this as soon as possible. We only have until December 3rd to send a request for additional information. Thanks for your help.

-Joe

Date: 11/24/98 6:36:05 PM
From: Edith Coulter
Subject: biomedical waste storage condtions permit
To: fancy_c
CC: phillips_c
CC: kahn_j
CC: clark_jr

RE: Application to Amend Construction Permit No. PSD-FL-113
Ogden Martin Systems of Lake, Inc.

DOH, in accordance with the Interagency Agreement with DEP submits the following conditions for storage of biomedical waste at the above referenced facility.

1. Storage of biomedical waste shall not exceed 30 days.
2. Storage areas shall be designated in the written operating plan.
3. Storage areas shall be located away from pedestrian traffic.
4. Storage areas shall be constructed of smooth, easily cleanable materials that are impervious to liquids.
5. Storage areas be vermin and insect free, and shall be maintained in a sanitary condition.
3. Outdoor storage areas, including containers and trailers, shall, in addition to the above criteria, be conspicuously marked with the international biological hazard symbol as described in paragraph 64E-16.004(2)(b), F.A.C., and shall be secured against vandalism and unauthorized entry. The international biological hazard symbol on an outdoor storage area shall be a minimum of six inches in diameter.

Please feel free to call if you have questions regarding this.
Edith Coulter (487-0004)



Board of County Commissioners Lake County

315 WEST MAIN STREET • P.O. BOX 7800 • TAVARES, FLORIDA 32778-7800

January 11, 1999

Ms. Cindy L. Phillips
Bureau of Air Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

RECEIVED
JAN 11 1999
BUREAU OF
AIR REGULATION

Re: Air Construction Permit Application DEP File #0690046-002-AC

Dear Ms. Phillips:

This letter is written in objection to the granting of a permit to Ogden Energy Group to burn biomedical waste in the existing facility in Lake County. I am in receipt of your request for additional information written to them on December 1, 1998, and am gratified to see that you are making a comprehensive effort to assure that this facility is run safely, however, I am quite concerned that this amount of biomedical waste can never be burned safely at this location.

Granting this permit would not be in the best interest of the citizens of Lake County for many of the reasons that you wish to be fully explained by the Ogden group. The environmental groups in Lake County are watching this issue carefully, and have educated themselves quite well on the science of incineration. Biomedical wastes should be burned in a facility that has been designed especially for that purpose, not one that has burned MSW, and only a tiny percentage of BMW for the past five years.

I would personally like to receive copies of all correspondence between you and Ogden on this matter.

Thank you for your hard work for the people of Florida.

Sincerely,

Rhonda H. Gerber
Commissioner, District 1

/sjm

RECEIVED

JAN 14 1999

BUREAU OF
AIR REGULATION

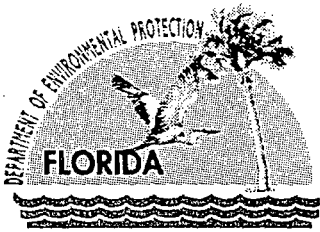
DISTRICT ONE
Rhonda H. Gerber

DISTRICT TWO
Robert A. Pool

DISTRICT THREE
G. Richard Swartz, Jr.

DISTRICT FOUR
Catherine C. Hanson

DISTRICT FIVE
Welton G. Cadwell



Jeb Bush
Governor

Department of Environmental Protection

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

David B. Struhs
Secretary

February 25, 1999

Mr. Gary Crane
Executive Vice President
Ogden Energy Group, Inc.
40 Lane Road
Fairfield, NJ 07004

RE: Request for Extension of Time
DEP File No. 0690046-002-AC

Dear Mr. Crane:

This letter is to inform you that your request has been granted for a 90-day extension of time to complete your response to my 12/1/98 request for additional information. My tracking system indicates that an extension of exactly 90 days would make the due date June 5, 1999, which is a Saturday. Therefore, I am extending your response deadline to Monday, June 7, 1999.

If you have any questions concerning this matter, please call me at (850)921-9534.

Sincerely,

Cindy L. Phillips, P.E.
Bureau of Air Regulation

c: Mr. Brian Bahor, Ogden
Mr. Jason Gorrie, Ogden
Mr. David Crowe, Lake Co. Solid Waste
Ms. Valerie Fachs, Lake Co. Attorney's Office
Ms. Rhonda H. Gerber, Lake Co. Commissioner
Ms. Edith Coulter, DOH

Clair -
Info from
meeting - Pat

AGENDA

MEETING BETWEEN DEPARTMENT OF ENVIRONMENTAL PROTECTION AND OGDEN ENERGY GROUP - APRIL 29, 1999 - 1:30PM - DARM CONFERENCE ROOM

MEET ME # 921-6370
SC 291-6370

INTRODUCTION

- Introduction of DEP and OEG Representatives

PURPOSE OF MEETING

- Address status of pending permit modification application for processing of biohazardous waste at Lake County facility
- Resolve outstanding issues of potential DEP enforcement action with respect to January 1999 mercury compliance sampling
- Address current compliance status of facility with mercury standards

DISCUSSION

- Chronology of events pertaining to Lake County facility compliance with applicable mercury emission limits beginning January 1999 through April 1999
- Summary of discussions between DEP and OEG following April 23, 1999 stack test and delivery of mercury contaminated waste to facility
 - Inlet/outlet sampling protocol
 - Decontamination of tipping floor
- Presentation of data and other information regarding the compliance status of the Lake County facility with mercury standards

- OEG position is that stack test data and other information confirm that no enforcement action is warranted for January sampling results

Weight of the evidence supports conclusion that the January sampling results were attributable to receipt of mercury tainted waste materials during the stack test rather than operational failures at the facility

Test results obtained since January 1999 demonstrate that the mercury standard is not being violated

- Establish information or other requirements to finalize permit review of modification application

CONCLUSION/NEXT STEPS

<u>Name</u>	<u>Organization</u>	<u>Phone</u>
Donald F. Elias	RTP Environmental	(732) 968-9600
John L. Price	DEP / HAZ WASTE	(850) 488-0300
Dary Cu	OEG	973 882-7248
Jasen Gorrie	OMS Lake	(352) 365-1611
Mary Smallwood	Ruden McClosky	(850) 681-9027
Howard Rhodes	DEP.	(850) 488-0114


50 SHEETS
22-141
100 SHEETS
22-142
200 SHEETS
22-144



NANCY D. TAMMI
Vice President
Assistant General Counsel

OGDEN
ENERGY GROUP, INC.

40 Lane Road
Fairfield, NJ 07007-2615
973 882 7205 Fax 973 882 7357
Nancy_Tammi@Ogden-Energy.com

 Printed on recycled paper

40 Lane Road
Fairfield, NJ 07007
973 882 9000
Fax 973 882 4156

ENVIRONMENTAL TEST REPORT

EXECUTIVE SUMMARY - OEG REPORT NO. 2374

March 12, 1999

PREPARED FOR: Ogdan Martin Systems of Lake, Inc.
3830 Rogers Industrial Park
P. O. Box 189
Okahumpka, Florida 34762

PURPOSE: Additional testing on Units 1 and 2 for Mercury Emissions
Compliance.

TEST DATES: February 17-19, 1999

PREPARED BY: Ogdan Energy Group, Inc.
Department 38 - CEM/Emission Testing



TABLE OF CONTENTS

<u>SECTION</u>	<u>PAGE</u>
1.0 SUMMARY OF RESULTS	
1.1 Summary of Source Test Results - Unit 1	1
1.2 Summary of Source Test Results - Unit 2	2
2.0 TEST PROGRAM	
2.1 Schedule of Activities	3

TABLE 1.2
SUMMARY OF SOURCE TEST RESULTS - UNIT 2

Pollutant	Replicate				Permitted Compliance Emission Limits
	1	2	3	4	
<u>SDA INLET</u>					
<u>Emission Rate, lb/hr</u> Mercury (Hg)	0.0290	0.0240	0.0210	0.0153	-----
<u>Conc., ug/DSCM @ 12% CO₂</u> Mercury (Hg)	313	269	222	171	-----
<u>STACK</u>					
<u>Emission Rate, lb/hr</u> Mercury (Hg)	0.00445	0.00380	0.00212	0.00205	-----
<u>Conc., ug/DSCM @ 12% CO₂</u> Mercury (Hg)	36.6	33.5	18.2	17.3	-----
<u>Removal Efficiency, %</u> Mercury (Hg)	88.3	87.5	91.8	89.9	≥80
<hr/>					
	Replicate				
	5	6	7	8	
<u>SDA INLET</u>					
<u>Emission Rate, lb/hr</u> Mercury (Hg)	0.0218	0.0172	-----	-----	-----
<u>Conc., ug/DSCM @ 12% CO₂</u> Mercury (Hg)	239	187	-----	-----	-----
<u>STACK</u>					
<u>Emission Rate, lb/hr</u> Mercury (Hg)	0.00163	0.00140	-----	-----	-----
<u>Conc., ug/DSCM @ 12% CO₂</u> Mercury (Hg)	14.3	12.0	-----	-----	-----
<u>Removal Efficiency, %</u> Mercury (Hg)	94.0	93.6	-----	-----	-----

TABLE 2.1
SCHEDULE OF ACTIVITIES

Date/ Time	Unit	Location	Sampling Method	Replicate (Run)	Parameter
<u>2/17/99</u>					
0954-1143	1	Inlet	EPA 29	1	Hg
0954-1146	1	Outlet	EPA 29	1	Hg
1222-1352	1	Inlet	EPA 29	2	Hg
1222-1353	1	Outlet	EPA 29	2	Hg
1553-1719	1	Inlet	EPA 29	3	Hg
1553-1726	1	Outlet	EPA 29	3	Hg
1751-1925	1	Outlet	EPA 29	4	Hg
1759-1930	1	Inlet	EPA 29	4	Hg
<u>2/18/99</u>					
0845-1002	1	Outlet	EPA 29	5	Hg
0848-1003	1	Inlet	EPA 29	5	Hg
1030-1150	1	Outlet	EPA 29	6	Hg
1033-1145	1	Inlet	EPA 29	6	Hg
1234-1350	1	Inlet	EPA 29	6	Hg
1234-1354	1	Outlet	EPA 29	7	Hg
1418-1533	1	Outlet	EPA 29	8	Hg
1418-1536	1	Inlet	EPA 29	8	Hg
1615-1732	2	Outlet	EPA 29	1	Hg
1615-1733	2	Inlet	EPA 29	1	Hg
1802-1920	2	Outlet	EPA 29	2	Hg
1807-1920	2	Inlet	EPA 29	2	Hg
<u>2/19/99</u>					
0816-0932	2	Inlet	EPA 29	3	Hg
0816-0933	2	Outlet	EPA 29	3	Hg
1030-1147	2	Inlet	EPA 29	4	Hg
1030-1144	2	Outlet	EPA 29	4	Hg
1212-1330	2	Outlet	EPA 29	5	Hg
1215-1329	2	Inlet	EPA 29	5	Hg
1410-1524	2	Inlet	EPA 29	6	Hg
1410-1525	2	Outlet	EPA 29	6	Hg

Lake Mercury Test Results (ug/dscm @ 12 %CO2)

<u>Unit no.</u>	<u>Date</u>	<u>Inlet</u>	<u>Outlet</u>
2	22 April 99	82.5	4.2
		60.7	
		45.9	
2	24 April 99	75.2	3.5
1	24 April 99	41.3	23.1

DRAFT

Preliminary - Do Not Quote or Cite

Lake Mercury Test Results (ug/dscm @ 12 %CO2)

<u>Unit no.</u>	<u>Date</u>	<u>Inlet</u>	<u>Outlet</u>
2	22 April 99	82.5	4.2
		60.7	
		45.9	
2	24 April 99	75.2	3.5
1	24 April 99	41.3	23.1

DRAFT

Preliminary - Do Not Quote or Cite