

BOARD OF COUNTY COMMISSIONERS

DEPARTMENT OF SOLID WASTE MANAGEMENT
2800 110TH AVENUE NORTH
ST. PETERSBURG, FLORIDA 33702
PHONE (813) 825-1565

P.O. BOX 21623
ST. PETERSBURG, FLORIDA 33742-1623



COMMISSIONERS

BARBARA SHEEN TODD, CHAIRMAN
JOHN CHESNUT, JR., VICE-CHAIRMAN
GABRIEL CAZARES
CHARLES E. RAINEY
BRUCE TYNDALL

Received DER

October 28, 1983

NOV 4 1983

R P S

Mr. W. K. Hennessey
Southwest District Manager
Department of Environmental Regulation
7601 Highway 301 North
Tampa, FL 33610

Re: PPSC # PA 78-11

Dear Mr. Hennessey:

Enclosed herewith is the report for the third quarter of 1983 for the Pinellas County Solid Waste System. It is in accordance with Appendix "A", page 10 of the PPSC.

The same footnotes attached to our last report apply. A copy of them is also enclosed.

Very truly yours,


Robert S. Becker
Solid Waste Operations Manager

RSB:pa

Encl

cc: Buck Oven, DER
Gene Jordan, Dir., PW&U
W. W. Dasher, Dir., PW Opns
W. Gray Dunlap, County Attorney

QUARTERLY REPORT

Third Quarter 1983

(All Figures Shown in Tons)

<u>INTAKE</u>	<u>JULY 1983</u>	<u>AUGUST 1983</u>	<u>SEPTEMBER 1983</u>
1. To Plant	61,147.62	65,362.94	35,534.27
2. To Landfill	11,168.19	19,916.67	44,234.45
3. To Mini Station	309.73	284.78	223.00
4. To Tire Splitter	167.73	163.62	254.09
<u>TOTAL</u>	<u>72,793.27</u>	<u>85,728.01</u>	<u>80,025.04</u>
 <u>REHANDLED MATERIALS</u>			
11. Residue to Landfill	156.55	18,531.64	3,474.31
12. Reject to Landfill	.00	11.06	25.88
13. Mini Station to Landfill	309.73	284.78	223.00
14. Aggregate to Landfill	2,575.93	6,078.58	5,699.44
15. Recovered Metals	2,201.10	2,510.46	1,132.12
16. Stockpiled Aggregate*	.00	.00	.00
Total Landfilled Materials: Sum 2,11,12,13 &14	14,210.40	44,822.73	53,436.31
Relocated Aggregate From Stockpile to Landfill (one-thirds)	1,521.54	1,521.54	1,521.54
Grand Total Landfilled	15,731.94	46,344.27	54,957.85

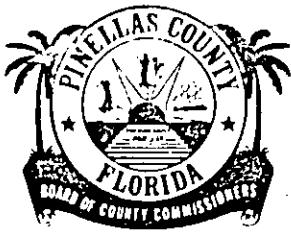
* Stockpiled aggregate has been relocated to landfill for use as cover but those amounts previously shown are not counted for a second time in Line 11.

PINELLAS COUNTY SOLID WASTE SYSTEM

Table Notes

1. All wastes deemed "processable", and arriving in self-unloading vehicles are deposited in the intake room of the Resource Recovery Plant.
2. Wastes arriving in vehicles requiring hand unloading, loads observed as containing unprocessable wastes, and wastes diverted from the plant for any reason are sent to the landfill inside the landfill there are three possible destinations: Class I for putrescible, Class III for brush/construction/trash wastes, and demolition for non-organic rubble. Based on operating volumes, there are occasions where destinations are consolidated wastes are treated as required for the more difficult content; e.g., brush is covered daily when mixed with putrescible.
3. Wastes arriving in small quantities are unloaded at the mini station, consolidated in large containers, and then moved to the plant or landfill.
4. The County operates an isolated and unrelated program to split, bale, and transport used tires for artificial reef construction. Tires enter the system through the single scalehouse point.

11. Gross residue materials (after combustion) is the raw stock for the plant's material recovery section. In addition, materials remaining after separation into streams having value (metals and large items still containing some metal, which can be sold), and streams having little value (can be given away), are removed at County cost and placed in the landfill. There is no additional treatment per se.
12. Reject materials originate in the intake room of the Plant and are removed prior to combustion. They do not contain putrescible wastes. Rejects are landfilled in either the Class III or the Class I landfill areas.
13. Materials deposited in the mini station are normally transferred to the landfill (Class I) but occasionally to the Plant if there is excess capacity available.
14. Aggregate materials are fine almost exclusively inorganic and considered suitable for road building purposes. These materials are stockpiled or used for haul road construction at the landfill. It is also being used for interim cover.



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Received DER

COMMISSIONERS

BARBARA SHEEN TODD, CHAIRMAN
JOHN CHESNUT, JR., VICE-CHAIRMAN
GABRIEL CAZARES
CHARLES E. RAINEY
BRUCE TYNDALL

October 27, 1983

Mr. E. G. Snipes, P.E. II
Department of Environmental Regulation
Southwest District
7601 Highway 301 North
Tampa, FL 33610-9544

OCT 31 1983

P P S

Re: Non-Compliance Notification Per Pinellas County Power Plant Siting
Certification (PPSC)

Dear Mr. Snipes:

The following information is submitted in compliance with paragraph 11,
Conditions of Certification covering the Pinellas County Power Plant Siting
Certification (Case No. 78-11).

Water samples taken by ESE on September 14 and 15, 1983, and received by
this office on October 24, 1983, indicate that maximum allowable amounts of
six (6) of the fourteen (14) parameters tested for, were exceeded. Specific
concentration found are shown in the attached listing.

While the sampling locations were within the site boundaries, they were
also close to the overflow weir constructed just south of 110 Avenue. It is,
therefore, possible that some water having somewhat similar concentrations
flowed over the weir. This, because the samples were taken at a time of
frequent rainfalls.

The source of high levels of the four elements is uncertain; however, it can
be concluded that the "blowout" along the east face of the landfill which
occurred last spring is a good suspect. Since that occurrence has been
corrected through efforts which the Department is aware of, we don't expect
this to be an on-going problem.

Mr. E. G. Snipes, P.E. II
October 27, 1983
Page 2

Plans now being developed, call for stormwater in the 20-acre holding lake to be utilized as a portion of the cooling tower make-up, thus assuring that the free board in the lake will virtually eliminate storm water overtopping the weir except following times of very major storms.

Very truly yours,



W. W. Dasher, Director
Public Works Operations

WWD:ACE:ltl

Attach

cc: W. K. Hennessey, DER
Gene Jordan, Dir, PW&U
BUCK OVER

ENVIRONMENTAL SCIENCE & ENGINEERING

10/18/83

FIELD GROUP

PROJECT NUMBER 83405400

PROJECT NAME

SAMPLES: ALL

PARAMETERS

PROJECT MANAGER KAREN HATFIELD

FIELD GROUP

PARAMETERS	STGRET #	SAMPLE				
		1	2	3	4	5
		282200	282201	282202	282203	28220
DATE		9/14/83	9/14/83	9/14/83	9/14/83	9/15/83
TIME		1100	1500	1900	2300	30
NITROGEN, NH3+NH4, T (MG/L)	610	0.09	0.23	0.16	0.27	0.2
CADMIUM, TOTAL (UG/L)	1027	4.8	4.7	4.5	4.9	6.
CHLORIDE (MG/L)	940	113	158	158	143	12
COPPER, TOTAL (UG/L)	1042	14.0	29.0	11.0	29.0	31.
SELENIUM, TOTAL (UG/L)	1147	<2.0	<2.0	<2.0	<2.0	<2.
SILVER, TOTAL (UG/L)	1077	<4.0	<4.0	<4.0	<4.0	<4.
PH, LAB (STD UNITS)	403	7.54	7.70	7.53	7.53	7.5
IRON, TOTAL (UG/L)	1045	143	755	383	551	62
MERCURY, TOTAL (UG/L)	71900	0.5	<0.2	<0.2	<0.2	0.
NICKEL, T, (UG/L)	1067	<12	<12	<12	<12	<1
ZINC, TOTAL (UG/L)	1092	156.0	157.0	137.0	183.0	174.
RESIDUE, DISS, 105 DEG (MG/L)	515	555	736	731	695	61
NITROG, NH3, UN-ION'D CALC (MG/L)	619	0.003	0.009	0.004	0.007	0.00
PHOS, T, ICAP (MG/L-P)	99914	0.1	0.3	0.1	0.2	0.

Buck - F.Y.I.
SPW
10/27

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition by Pinellas County) DOCKET 830417-EU
for determination of need for a solid) ORDER NO. 12611
waste-fired cogeneration power plant.) ISSUED: 10-14-83

The following Commissioners participated in the disposition of this matter:

GERALD L. GUNTER, Chairman
JOSEPH P. CRESSE
JOHN R. MARKS, III
KATIE NICHOLS
SUSAN LEISNER

NOTICE OF PROPOSED AGENCY ACTION

ORDER

BY THE COMMISSION:

Under the Florida Electrical Power Plant Siting Act, Section 403.501, Florida Statutes, the Commission is charged with the responsibility of determining whether construction of a proposed electrical generation facility is necessary to meet the present or expected need for electricity in all or part of Florida. Under the Act, the Department of Environmental Regulation must determine whether the proposed plant will comply with all relevant environmental standards and whether the proposed site for the plant is suitable for that use. Weighing all of these determinations, the Governor and Cabinet, sitting as the Power Plant Siting Board, ultimately determine whether approval will be granted for construction of the proposed plant.

Certification under the Act must be obtained for the construction of any generating facility greater than 50 MW, or for the expansion of any existing electrical power plant. Pinellas County currently owns an existing solid waste-fired power plant containing a single 50.9-megawatt (gross) turbine generator and two incinerator/boilers located near Pinellas Park in Pinellas County, Florida, and has an existing Power Plant Site Certification for the facility. Pinellas County proposes to construct and operate an additional incinerator/boiler, and a single 29-megawatt (gross) turbine generator facility at the same site. The proposed incinerator/boiler will be similar to the two incinerator/boilers currently owned by the County and will have the capacity to burn up to 1,050 tons per day of 5000 BTU per pound solid waste. This is a small power production facility within the meaning of PURPA and Rules 25-17.80 through 25-17.87, Florida Administrative Code.

The steam generated by the proposed incinerator/boiler plant will be used to drive a single 29-megawatt (gross) turbine generator which will produce electricity that will be sold to Florida Power Corporation. The projected in-service date for the unit is July 1986, with construction scheduled to begin in the summer of 1984. The existing facility presently is selling an average of 38-40 MW a year to Florida Power Corporation. With increasing fuel supply and capacity expansion, the facility will ultimately have about 60 MW available for sale to Florida Power Corporation in mid-1990's. By a petition filed on August 29, 1983, Pinellas County seeks an affirmative determination of need for the 29 MW generating plant.

While the Power Plant Siting Act requires the Commission to determine whether a need exists for the proposed generating facility, the purpose of the Commission's need determination is

DOCUMENT NO.
830417-05

to protect electric utility ratepayers from unnecessary expenditures. The statute lists four criteria the Commission must consider in determining need:

- 1) the need for electrical system reliability and integrity;
- 2) the need for adequate electricity at a reasonable cost;
- 3) whether the proposed plant is the most cost effective alternative available; and
- 4) conservation measures taken or reasonably available that might mitigate the need for new plant (Sec. 403.519, F.S.)

Congress and the Florida Legislature have determined that cogeneration and small power production should be encouraged on the premise that they constitute alternate sources of power that either displace production of fossil fuel electricity or use fossil fuels more efficiently. Moreover, the proliferation of cogeneration and small power production facilities may obviate the need for construction of additional generating facilities by electric utilities. Therefore, in the present context, we find that the County's proposed small power production facility will increase electrical system reliability and integrity and will maintain the supply of adequate electricity at a reasonable cost while reducing our dependence on fossil fuel. When viewed as an alternative to construction of additional generating facilities by electric utilities, and considering the permissible level of payments to small power producers outlined in Rules 25-17.80 through 25-17.87, Fla. Admin. Code, the proposed facility is the most cost effective alternative available. Finally, construction of the plant is a conservation measure which we have encouraged precisely because it may mitigate the need for additional construction by electric utilities. Therefore, the relief sought in this petition, an affirmative determination of need, will be and the same is hereby granted. It is, therefore,

ORDERED by the Florida Public Service Commission that this Order constitute the final report required by Section 403.507(1)(b), Florida Statutes, the report concluding that a need exists, within the meaning of Section 403, Florida Statutes, for the construction of the 29 MW generating facility proposed by Pinellas County, Florida. It is further

ORDERED that a copy of this Order be furnished to the Department of Environmental Regulation, as required by Section 403.507(1)(b), Florida Statutes. It is further


ORDERED that any person adversely affected by the action proposed herein may file a petition for a formal proceeding, as provided in Rule 25-22.29, within 21 days of the date of this order, November 4, 1983, in the form provided by Rule 25-22.36(7)(a) and (f). It is further

ORDERED that in the absence of such a petition, this Order shall become effective and final as provided by Rule 25-22.29(6), as stated in a subsequent order.

By Order of the Florida Public Service Commission, this
14th day of OCTOBER 1983.

(S E A L)

BED


STEVE TRIBBLE
COMMISSION CLERK

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

INTEROFFICE MEMORANDUM

For Routing To District Offices And/Or To Other Than The Addressee		
To: _____	Loctn.: _____	
To: _____	Loctn.: _____	
To: _____	Loctn.: _____	
From: _____	Date: _____	
Reply Optional []	Reply Required []	Info. Only []
Date Due: _____	Date Due: _____	

TO: Ed Palagyi, BACT Coordinator

THROUGH: Bill Thomas and Dan Williams

FROM: Jim Estler

DATE: October 25, 1983

SUBJECT: Pinellas County Resource Recovery Facility.
Preliminary BACT

In response to your memo of September 12, 1983, regarding the draft BACT for Pinellas County Resource Recovery Facility's new incinerator we have reviewed the information submitted and offer the following:

1. The proposed emissions used in the modeling (Appendix II Table II-1) do not relate back to Appendix VI "Development of Emission Factors". It is difficult, if not impossible, to propose emission limitations without knowing how they calculated the emission rates.
2. The information from the BACT clearinghouse is interesting, however the background information on each of these sources is needed in order to evaluate the rationale behind the determinations.
3. Regardless of what emission limitations are developed for NO_x and CO, an actual limitations must be established. A statement that emissions are to be controlled by burner design (controls) and operating procedures would be unenforceable. In conjunction with this, emission rates must be monitored in some means either continuous emission monitors or stack testing.
4. The emission of hydrocarbons (VOC) and chlorides should be addressed by the state in some manner. The BACT process may not be appropriate since these pollutants are not on the list of criteria and non-criteria pollutants contained in the PSD Section, Chapter 17-2. VOC's are of concern since the expansion is to occur in a ozone non-attainment area. Chlorides are of concern because of the quantities involved. The consultant which conducted the initial compliance test on the existing units said the stack gases were extremely acidic and damaged the probe used.

Upon receipt of the explanation of the conflict in No. 1 and additional information in No. 2, the District will make their recommendations for a BACT for this unit. Please except our appologies for the delay in comments; our only excuse is that our permitting workload has drastically increased.

If you have any questions, please give us a call.

JWE/scm

October 24, 1983

Gene Jordan, Director
Public Works and Utilities
315 Court Street
Clearwater, Florida 33516

Dear Mr. Jordan:

Attached are two letters received from cities in your county concerning the Resource Recovery Project expansion. You may wish to respond to these concerns as appropriate.

You may also wish to advise your attorney of these letters. Your attorney should contact the Hearing Officer to discuss the necessity of a land use hearing.

Sincerely,

Hamilton S. Oven, Jr., P.E.
Administrator
Power Plant Siting Section

HSO/sb

cc: Bill Deane
Bill Hennessey

City of

5141-78TH AVE. • PINELLAS PARK, FLA. 33565-5141



PHONE • (813) 544-8651

August 25, 1983

Received DER

Ms. Sandra Eberhard, Associate Planner
Tampa Bay Regional Planning Council
9455 Koger Blvd.
St. Petersburg, Fl. 33702

OCT 21 1983

P P S

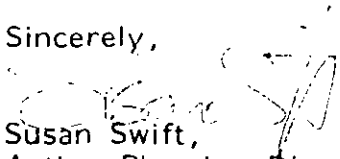
Dear Ms. Eberhard:

The City of Pinellas Park has reviewed the Application for Power Plant Site Certification as it is within and adjacent to its city limits. We offer the following comments and requests for additional information.

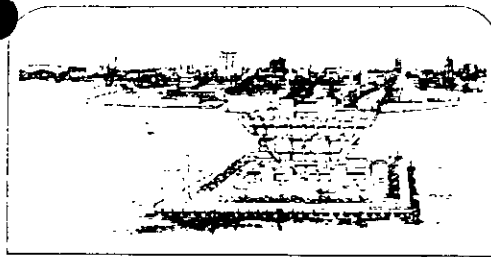
1. The site plan (Figure 2-1) is illegible at this scale. An appropriate detailed site plan should be distributed prior to any action on this item. Any site plan additions or changes on lands within the City of Pinellas Park must be approved by the City Council as this is a conditional use in the IH and P zoning districts.
2. Figures 2-2 and 2-4 do not clearly exhibit the residential nature of the area to the southwest. In addition to the Mainlands community which existed at the time of the original Phase I document, there are two new developments within one mile, totalling nearly 2,000 units. The Lakes, which abuts the landfill is constructing 1,100 units, while Coventry Park, south of Mainlands, proposes approximately 600 new units. Further, several hundred acres of industrial land have been annexed into Pinellas Park in the last two years.
3. Additional air quality and noise stations should be added to monitor the residential areas to the southwest of the plant.
4. Chapter 7 indicates that this expansion will decrease landfilling. By what amount will the Class I solid wastes be reduced? How many acres does the RRF now hold for land filling purposes and by what amount will this need be reduced?
5. The plant is within the Pinellas Park Fire District. Detailed plans must be reviewed as soon as possible by the City's Fire Chief in order to assess the impact and servicability of the additional stack, boiler and generator.

Until the above requests are met, the City must reserve comment and suggest tabling this item in order to obtain said plans. We appreciate the opportunity to comment on this proposal. Please keep this office informed of any future meetings in this regard.

Sincerely,



Susan Swift,
Acting Planning Director



CITY
OF
ST. PETERSBURG
THE SUNSHINE CITY

August 23, 1983

Ms. Sandra Eberhard
Tampa Bay Regional Planning Council
9455 Koger Boulevard
St. Petersburg, FL 33702

Re: TBRPC A-95 Clearinghouse Review #186-83; Pinellas County
Resource Recovery Project - Phase II, Power Plant Site Certification
Application

Dear Ms. Eberhard:

The Planning Department urges the Clearinghouse Review Committee (CRC) to approve this application. The additional boiler for the Resource Recovery facility, proposed in the application, will minimize the need for landfilling of Class I solid waste in the future.

The Sanitation Department is currently reviewing the application and will communicate their comments to you directly. The Planning Department noted one inaccuracy: the annexation map (Figure 2-2) should be updated. (See attached.)

We appreciate this opportunity to comment. If you require additional information, please contact me.

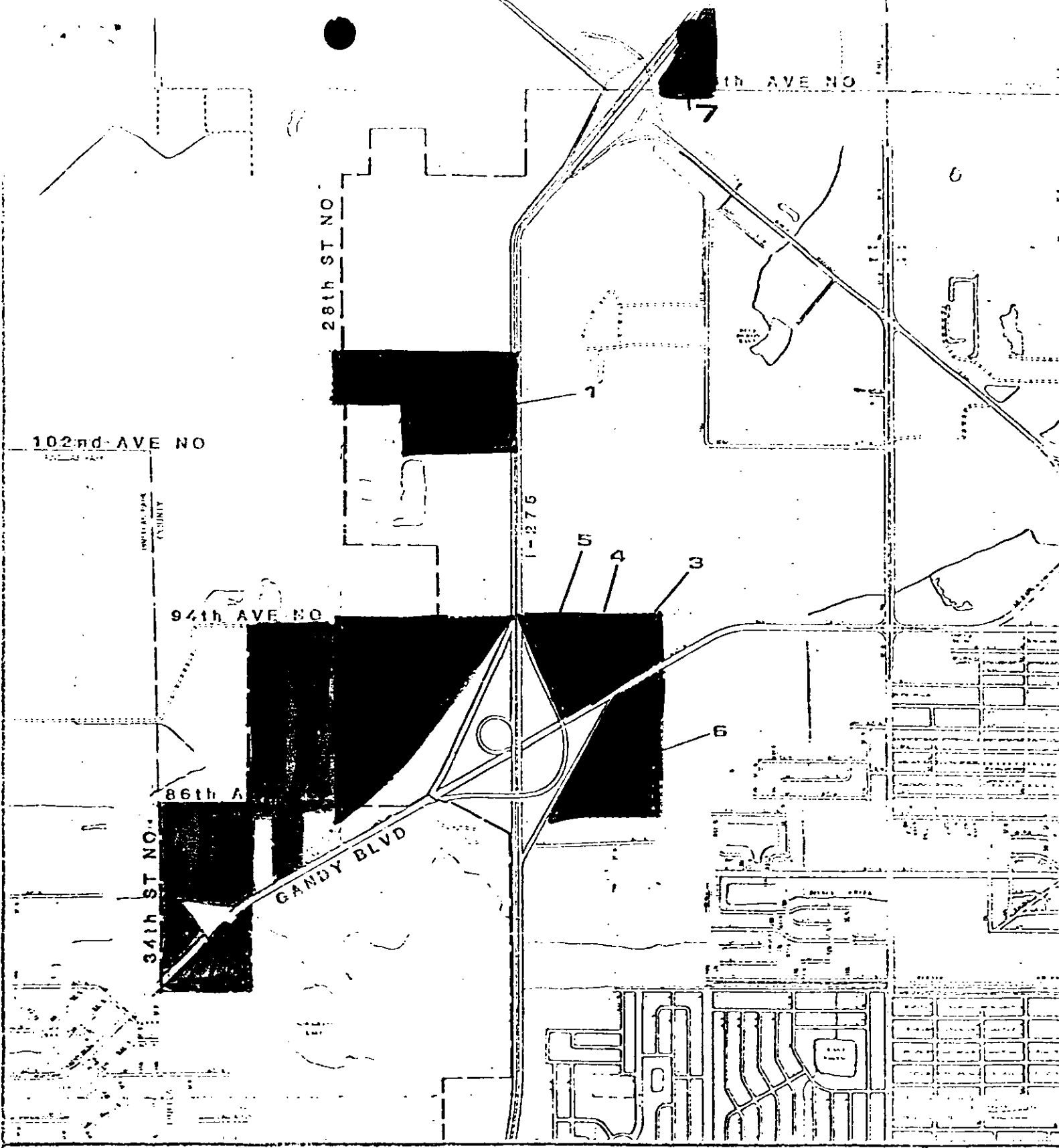
Sincerely,

Richard E. Mussett, AICP
Planning Director

REM/bs/h

Attachment

cc: Tee Corbo, Director, Sanitation Department



ANNEXED INTO ST. PETERSBURG



DEANNEXED BY ST. PETERSBURG, ANNEXED BY PINELLAS PARK

October 19, 1983

Gene E. Jordan, P.E., Director
Public Works and Utilities
315 Court Street
Clearwater, Florida 33516

Dear Mr. Jordan:

Please clarify sections 2.5 and 3.10 of the application for site certification of the Resource Recovery Facility, Phase II, by providing plans showing the location of ditches and stormwater retention pond in plan and cross-sectional views. Also please provide plans detailing the discharge structure mentioned in section 2.5, and calculations computing stormwater flows. The department wishes to review compliance of the facility with Chapter 17-25, FAC, and Condition of Certification XIV D.1.

Sincerely,

Hamilton S. Oven, Jr., P.E.
Administrator
Power Plant Siting Section

HSO/sb

cc: Bill Hennessey
Jim Andrews

BEFORE THE FLORIDA PUBLIC SERVICE COMMISSION

In re: Petition by Pinellas County) DOCKET 830417-EU
for determination of need for a solid) ORDER NO. 12611
waste-fired cogeneration power plant.) ISSUED: 10-14-83

The following Commissioners participated in the disposition of this matter:

GERALD L. GUNTER, Chairman
JOSEPH P. CRESSE
JOHN R. MARKS, III
KATIE NICHOLS
SUSAN LEISNER

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While the Power Plant Siting Act requires the Commission to determine whether a need exists for the proposed generating facility, the purpose of the Commission's need determination is

DOCUMENT NO.
400-15

Received DER
OCT 17 1983
R.P.S

to protect electric utility ratepayers from unnecessary expenditures. The statute lists four criteria the Commission must consider in determining need:

- 1) the need for electrical system reliability and integrity;
- 2) the need for adequate electricity at a reasonable cost;
- 3) whether the proposed plant is the most cost effective alternative available; and
- 4) conservation measures taken or reasonably available that might mitigate the need for new plant (Sec. 403.519, F.S.)

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ORDERED by the Florida Public Service Commission that this Order constitute the final report required by Section 403.507(1)(b), Florida Statutes, the report concluding that a need exists, within the meaning of Section 403, Florida Statutes, for the construction of the 29 MW generating facility proposed by Pinellas County, Florida. It is further

ORDERED that a copy of this Order be furnished to the Department of Environmental Regulation, as required by Section 403.507(1)(b), Florida Statutes. It is further


ORDERED that any person adversely affected by the action proposed herein may file a petition for a formal proceeding, as provided in Rule 25-22.29, within 21 days of the date of this order, November 4, 1983, in the form provided by Rule 25-22.36(7)(a) and (f). It is further

ORDERED that in the absence of such a petition, this Order shall become effective and final as provided by Rule 25-22.29(6), as stated in a subsequent order.

By Order of the Florida Public Service Commission, this
14th day of OCTOBER 1983.

(S E A L)

BED


STEVE TRIBBLE
COMMISSION CLERK



Henningson, Durham & Richardson

cc Don Kell
Pat Lewis

Suite 103
5455 Koger Boulevard
St. Petersburg, FL 33702
(813) 577-9455

Received DER

October 12, 1983

OCT 14 1983

P P S

E.S.E.
P.O. Box ESE
Gainesville, FL 32602

Attention: Karen Hatfield

Dear Karen:

I have re-examined the location of monitoring wells at the Pinellas Resource Recovery Facility and have concluded that well #2 (see attached Figure) is not required. This is due to the planned expansion of the Class I landfill in a southerly direction. Once this is accomplished, this well could no longer be termed an "up-gradient monitor" and would not be useful.

I spoke with Steve Denahan about this and he concurred. Therefore, on this date, I have directed your representative with the well contractor to delete well #2 from the monitoring plan.

Very truly yours,

HENNINGSON, DURHAM & RICHARDSON, INC.

James C. Andrews

JCA:jm

Attachment

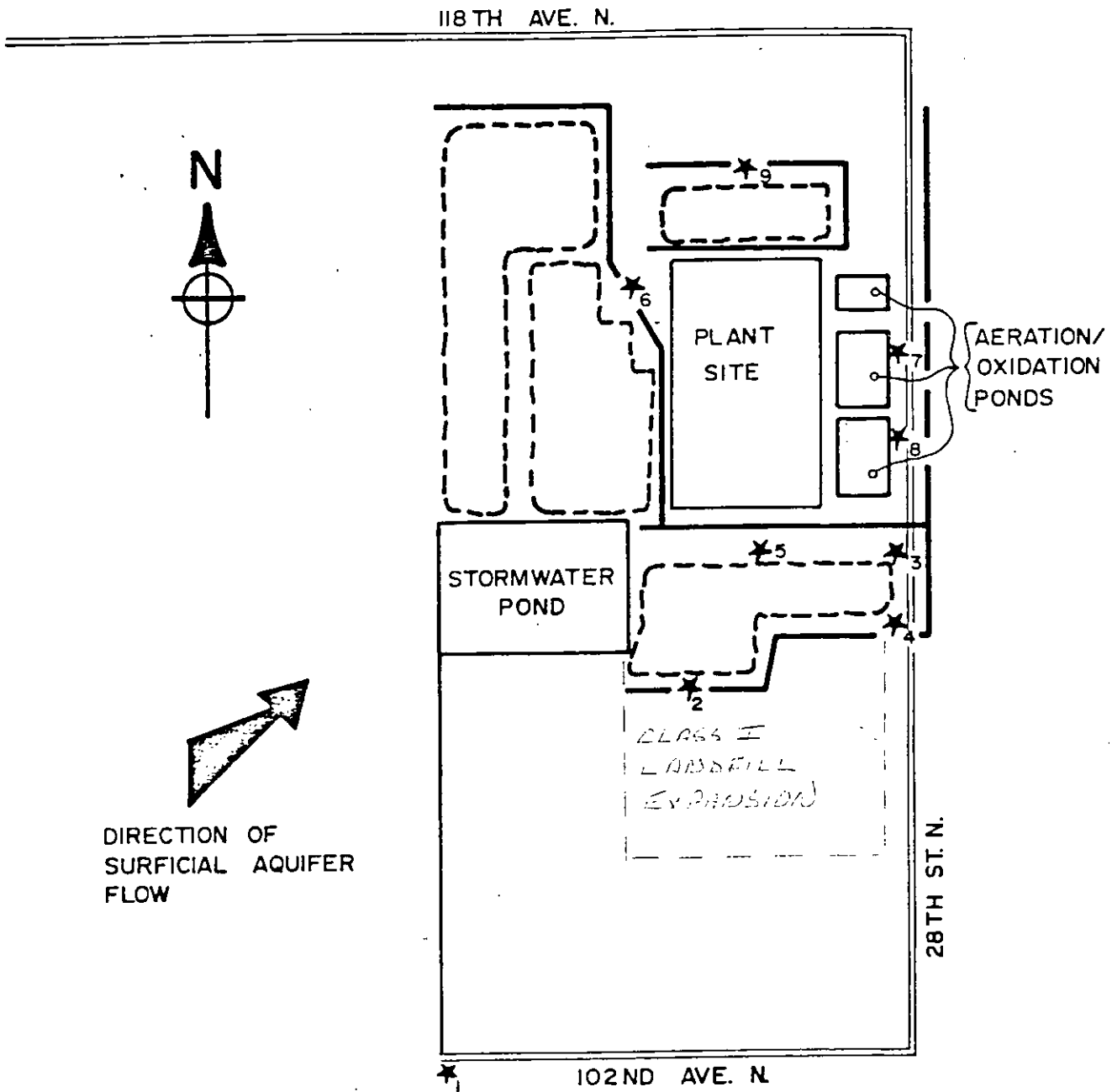
cc: W. W. Dasher
D. F. Acenbrack
Hamilton Oven

Architecture
Engineering
Planning
Systems
Sciences

Alexandria
Atlanta
Austin
Charlotte
Chicago
Dallas
Denver
Houston
Minneapolis
Norfolk
Omaha
Pensacola
Phoenix
Santa Barbara
Seattle

FIGURE 6-4

WELL LOCATIONS AND EM SURVEY LINES



- ★ NEW OBSERVATION WELLS
- BOUNDARY OF LANDFILLS
- EM SURVEY

October 4, 1983

Mr. W. W. Dasher
Pinellas County Department
of Solid Waste
Post Office Box 21623
St. Petersburg, Florida 33742-1623

Dear Mr. Dasher:

The Department of Environmental Regulation has reviewed your letter of September 19, 1983 concerning the use of resource recovery boiler aggregate. The department has no objection to use of the aggregate for daily cover at the Bridgeway Acres II, Class I landfill, stockpiling at the Refuse-to-Energy Facility and general above grade usage within the perimeters of the proposed slurry wall construction at the Refuse-to-Energy Facility site.

Sincerely,

Hamilton S. Oven, Jr., P.E.
Administrator
Power Plant Siting Section

HSO/sb

cc: Bill Hennessey
Pat Lewis

LAW OFFICES
BLAIN & CONE, P. A.

September 30, 1983

L. M. BUDDY BLAIN
THOMAS E. CONE, JR.
GARY A. GIBBONS
PETER J. T. TAYLOR
MALCOLM P. MICKLER, III
MINDY K. OGDEN

202 MADISON STREET
TAMPA, FLORIDA 33602
(813) 223-3888

Received DER

OCT 3 1983

PPS

Mr. Hamilton S. Oven, Jr.
Professional Engineer
Administrator
Power Plant Siting Section
Florida Department of
Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32301

Re: Pinellas County Resource Recovery Project

Dear Buck:

Our contract representing the Southwest Florida Water Management District is expiring September 30, 1983. Please forward future correspondence relating to this subject directly to Stephen A. Walker, General Counsel, Southwest Florida Water Management District, 2379 Broad Street, Brooksville, Florida 33512-9712.

We appreciate your assistance and cooperation.

Sincerely,



Thomas E. Cone, Jr.

TEC, JR/gc

cc: Stephen A. Walker, Esquire



Henningson, Durham & Richardson

P.O. Box 12744
Pensacola, FL 32575
(904) 432-2481

R.E. Retcliff, P.E.
K.L. Gregory, A.I.A.

October 3, 1983

Hamilton S. Oven, Jr., P.E.
Administrator
Power Plant Siting Section
Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Fl. 32301-8241

Dear Mr. Oven:

Attached, please find the information requested in your 21 September letter. This page of emission source data should be inserted after page II-1 in the third boiler application.

Very truly yours,

HENNINGSON, DURHAM & RICHARDSON, INC.

James C. Andrews
James C. Andrews VED

Enclosure

JCA/ved

Architecture
Engineering
Planning
Systems
Sciences

Alexandria
Atlanta
Austin
Charlotte
Chicago
Dallas
Denver
Helena
Knoxville
Minneapolis
Norfolk
Omaha
Pensacola
Phoenix
Santa Barbara
Seattle
Washington, D.C.

Pinellas County Resource Recovery Project
Source Parameters Used in Modeling

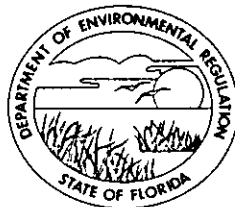
Source Number	Source Description	Emission Rate (g/s)		Source Location		Stack Parameters				PSD Source
		SO ₂	TSP	UTM-E	UTM-N	Diam. (m)	Temp. (K)	Height (m)	Exit Velocity (m/s)	
1	RRF Unit 3	10.5	2.8	335.2	3084.1	2.37	505.0	49.1	26.8	yes
2	RRF Units 1-2	21.0	5.6	335.2	3084.1	2.37	505.0	49.1	26.8	yes
3	McKay Bay RRF	21.4	4.1	360.0	3091.9	1.91	500.0	45.7	21.3	yes
4	TECO Big Bend	6002.2	79.2	361.9	3075.0	7.00	426.0	149.4	15.6	yes
5	FPC Bartow	722.2	30.9	342.4	3082.7	3.35	408.0	91.4	44.0	no
6	FPC Higgins	286.7	8.9	336.5	3098.5	3.81	422.0	53.0	10.4	no
7	Anclote-Unit 1	1631.9	58.1	324.9	3119.0	3.66	416.0	152.1	50.0	no
8	Anclote-Unit 2	816.0	29.0	324.9	3119.0	3.66	416.0	152.1	28.3	no
9	Hooker Pt.-Units 1&2	328.0	15.1	360.0	3087.5	4.30	427.0	61.0	8.1	no
10	Hooker Pt.-Units 3&5	384.8	16.7	360.0	3087.5	3.20	400.0	93.3	26.9	no
11	Hooker Pt.-Unit 4	142.6	9.6	360.0	3087.5	2.90	438.0	93.3	42.4	no
12	Hooker Pt.-Unit 6	832.6	10.1	360.0	3087.5	5.40	417.0	93.3	23.4	no
13	TECO Gannon-Units 1-5	130.7	11.8	385.0	3091.0	3.43	403.0	85.3	9.2	no
14	TECO Gannon-Unit 6	58.3	2.6	385.0	3091.0	2.87	403.0	85.3	18.0	no
15	Golden Triangle	0.457	0.0	330.0	3085.0	-	-	12.45	-	no

T7215/9-28-83

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTHWEST DISTRICT

7601 HIGHWAY 301 NORTH
TAMPA, FLORIDA 33610-9544



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

WILLIAM K. HENNESSEY
DISTRICT MANAGER

September 27, 1983

Mr. W. W. Dasher
Pinellas County Department of
Solid Waste
Post Office Box 21623
St. Petersburg, Florida 33742-1623

Dear Mr. Dasher:

Re: Aggregate Cover

This is in response to your letter dated September 19 concerning the use of aggregate as cover material at the Bridgeway Acres Class III Landfill and at the Refuse-to-Energy Facility.

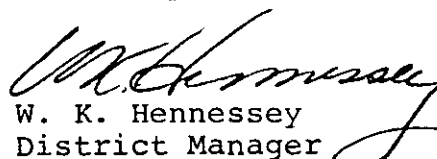
The Southwest District has primary responsibility on matters related to the Class III landfill, whereas the Power Plant Siting Section in Tallahassee has primary responsibility over the Refuse-to-Energy Facility.

As to Item #1, the District does not have any objection, as per the attached letter dated September 1, 1983.

By copy of this letter, we are referring response to Items #2, #3 and #4 to Mr. Hamilton Oven, from our Power Plant Siting Section in Tallahassee, as this pertains directly to the Power Plant Siting Certification Area.

If you have any further questions concerning this matter, please contact Mr. Pat Lewis at telephone 813/985-7402.

Sincerely,


W. K. Hennessey
District Manager

PWL/jdj
Attachment
cc: Buck Oven

DEPARTMENT OF ENVIRONMENTAL REGULATION

ROUTING AND TRANSMITTAL SLIP

ACTION NO.

ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION)

Hamilton Oven

INITIAL

DATE

2.

Thru: W. K. Heunhasey

WCH

INITIAL

DATE

3.

Thru: E. G. Snipes, H. Kerns

INITIAL

DATE

4.

INITIAL

DATE

REMARKS:

Attached please find our response to Pinellas County's letter of Sept. 15, 1983, concerning possible uses of aggregate material. We have responded to item #1, but have referred response to #2, 3 and 4 to the Power Plant Siting Section, as these are directly related to the power plant certified area.

It is our recommendation that disposal or use of this type of material be limited to on-site, in areas that have zones of discharge or appropriate containment (see attached memo from Jim Estler).

INFORMATION

REVIEW & RETURN

REVIEW & FILE

INITIAL & FORWARD

DISPOSITION

REVIEW & RESPOND

PREPARE RESPONSE

FOR MY SIGNATURE

FOR YOUR SIGNATURE

LET'S DISCUSS

SET UP MEETING

INVESTIGATE & REPT

INITIAL & FORWARD

DISTRIBUTE

CONCURRENCE

FOR PROCESSING

INITIAL & RETURN

FROM:

Pat Lewis

DATE 9-27-83

PHONE 552-7270

STATE OF FLORIDA



DEPARTMENT OF

Health & Rehabilitative Services

Bob Graham, Governor

1317 WINEWOOD BOULEVARD

TALLAHASSEE, FLORIDA 32301

September 27, 1983

Hamilton S. Owen, Jr., P.E.
Administrator
Power Plant Siting Section
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32301-8241


RE: Pinellas County Resource
Recovery Project - Phase II
Power Plant Site Certification
Application

Dear Mr. Owen:

I have had staff in program areas of environmental health, radiological health and contaminated waste disposal carefully review the referenced application. It is the consensus opinion of these professionals that the application is appropriate and reflects a primary need in Pinellas county.

Our review of records through conferences with Pinellas county health officials also indicates operation of the present unit is very good and that planned waste disposal meets current standards. The public health impacts should be positive and the Department recommends approval of the application.

Sincerely,


David H. Pingree
Secretary

Received DER

SEP 29 1983

BBS

September 26, 1983

Mr. William E. Williams
Division of Administrative Hearings
2009 Apalachee Parkway
Tallahassee, Florida 32301

RE: Pinellas County Resource Recovery
Project - Phase II PA-83-18
DOAH Case No. 83-2355

Dear Mr. Williams:

Please find attached four pages previously omitted by the applicant for the Pinellas County Resource Recovery Project power plant siting application.

Sincerely,

Hamilton S. Oven, Jr., P.E.
Administrator
Power Plant Siting Section

HSO/sb

cc: William W. Deane
Bonnie E. Davis
C. Laurence Keeseey
Tom Cone
Gary Kuhl
■ Jim Hoffsis
Barney Capehart
W. Gray Dunlap
Scott Wilson
Jacob Stowers, III
Larry Chako

TO: Power Plant Siting Review Committee
FROM: Hamilton S. Oven, Jr., P.E.
DATE: September 26, 1983
SUBJECT: Pinellas County Resource Recovery Project -
Phase II PA-83-18

Attached are four pages previously omitted by the applicant
for the Pinellas County Resource Recovery Project power plant
siting application.

cc All Parties

LAW OFFICES

BLAIN & CONE, P. A.

September 26, 1983

L. M. BUDDY BLAIN
THOMAS E. CONE, JR.
GARY A. GIBBONS
PETER J. T. TAYLOR
MALCOLM P. MICKLER, III
MINDY K. OGDEN

202 MADISON STREET
TAMPA, FLORIDA 33602
(813) 223-3888

Hamilton S. Oven, Jr., Esquire
Administration
Power Plant Siting Section
Florida Department of Environmental
Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32301

Re: Pinellas County Resource Recovery Project
PA 83-18, DOAH Case No. 83-2355


Dear Buck:

Effective October 1, 1983 our office will no longer be representing the Southwest Florida Water Management District in connection with this case. I suggest you forward all future correspondence directly to:

Stephen A. Walker, Esquire
Southwest Florida Water Management District
2379 Broad Street
Brooksville, Florida 33512-9712

If you have any questions about this, please let us know. It's been a pleasure working with you.

Sincerely,


Thomas E. Cone, Jr.

TEC, JR/gc

cc: Stephen A. Walker, Esq.

Received DER

SEP 28 1983

BRS

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

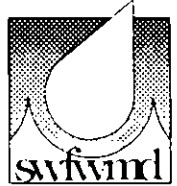


2379 BROAD STREET, BROOKSVILLE, FLORIDA 33512-9712
PHONE (904) 796-7211 SUNCOM 684-1011

BRUCE A. SAMSON, Chairman, Tampa
Wm. O. STUBBS, JR., Vice Chairman, Dade City
JIM KIMBROUGH, Secretary, Brooksville
RONALD B. LAMBERT, Treasurer, Wauchula
DON CRANE, Assistant Secretary, St. Petersburg
ARCH UPDIKE, JR., Assistant Treasurer, Lake Wales

WALTER H. HARKALA, Plant City
MARY A. KUMPE, Sarasota
MICHAEL ZAGORAC, JR., Belleair

GARY W. KUHL, Executive Director



September 22, 1983

Received DER

SEP 26 1983

PPS

Mr. Hamilton S. Oven, Jr., P.E.
Administrator, Power Plant Siting Section
Twin Towers Office Bldg.
2600 Blair Stone Rd.
Tallahassee, FL 32301-8241

Re: Pinellas County Resource Recovery Project

Dear Mr. Oven:

The Southwest Florida Water Management District (SWFWMD) Staff has reviewed the above referenced August 1983 application. As stated in Section 2.2, "Changes in Regional Demography, Land and Water Use" and Section 2.5.2 "Water Withdrawals", no onsite water withdrawals are required or proposed, and the county has acquired a guaranteed supply of non-potable water from the City of St. Petersburg's reclaimed water supply and potable water from the Pinellas County Water System. Therefore, the project's water use will not require District Consumptive Use Permits.

The county is using reclaimed water for its industrial non-potable needs, which reduces the demand for potable water and promotes water conservation. We encourage the use of reclaimed water for this and other similar projects.

We appreciate the opportunity to review and comment on these documents. The District is always interested in measures to assure the protection of the state's groundwater resources. If we can be of any further assistance, please do not hesitate to contact this office.

Sincerely,

W. D. COURSER
Director
Resource Regulation Department

WDC:DLS:cm

cc: S. A. Walker
J. E. Curren
T. H. Luter
D. L. Slonena
K. A. Weber
P. M. Dooris

September 21, 1983

Mr. James C. Andrews
Post Office Box 12744
Pensacola, Florida 32575

RE: Pinellas County Resource Recovery Project

Dear Mr. Andrews:

Please provide to the Department a list of the sources used in modeling the impacts of the third boiler of the Resource Recovery Project. The sources should be identified by name and should include the following information for each emission point: 1) emission rate for each applicable pollutant; 2) UTM coordinate; 3) stack parameters; and 4) an indication of whether the emission point consumes any PSD increment.

Sincerely,

KWA for

Hamilton S. Oven, Jr., P.E.
Administrator
Power Plant Siting Section

HSO/sb

cc: Bene E. Jordan, P.E.
Tom Rogers

INTEROFFICE MEMORANDUM

For Routing To District Offices And/Or To Other Than The Addressee		
To: _____	Loctn.: _____	
To: _____	Loctn.: _____	
To: _____	Loctn.: _____	
From: _____	Date: _____	
Reply Optional []	Reply Required []	Info. Only []
Date Due: _____	Date Due: _____	

TO: Hamilton S. Oven, Jr.

THROUGH: W. K. Hennessey *WKH*

THROUGH: Dan Williams *DW*

FROM: Jim Estler *JE*

DATE: September 20, 1983

SUBJECT: Pinellas County Resource Recovery Project PA83-18

In response to your memo of September 7, 1983, the District has reviewed the revised application and request the following be included in the Department review.

At issue is the ultimate disposal of the boiler residue. As stated on Page 26 of their application, non-marketable boiler residue is to be disposed of in one of the following manners:

1. Landfill above the natural water table at the Class I Site (Bridgeway Acres II).
2. Weekly cover for Class III landfill (experimental-coordinated with District DER).
3. Daily cover for Class I landfill (separated from putrescible solid waste).
4. Stockpiled and/or used above grade within County property.

Fly ash is part of what is referred to as boiler residue. If the material separation process is in operation, the fly ash would end up as part of what they consider aggregate. According to the previous tests conducted on the boiler residue and aggregate, the levels of some metals are above drinking water standards. These results are similar to the analysis of fly ash from coal fired power plants.

As you are aware, we have expressed our concerns regarding fly ash in the past and have requested an agency policy be developed on this matter. We have recently requested that this review include the boiler residue (ie: aggregate). We have recommended the safeguards listed in our original fly ash memo be applied to boiler residue.

MEMORANDUM

Re: Pinellas County Reesource
Recovery Project PA83-18

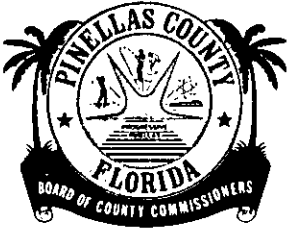
September 20, 1983
Page Two

The following concerns should be addressed as part of the Department's review of this and similar applications:

1. Disposal of boiler residue when the separation process is down should be governed by the safeguards previously proposed for fly ash.
2. Non-marketable residue should only be disposed of in an approved manner at an approved site. The statement that it may be "stock piled and/or used above grade within County property" could be interpreted to mean the County could use this matter as fill at other locations other than at the resource recovery site.
3. Ultimate use of the marketable residue which could include the aggregate should be controlled in some manner in order to provide reasonable assurance that environmental problems will not develop from its sale and ultimate use. We do not however want to get in the mode of approving the use of marketable residue for projects like metal recycling where environmental problems are not anticipated. An example of this potential problem would be the sale of the aggregate as fill material to some outside party. There are presently no safeguards proposed governing where and how the fill would be used.

Please advise what your feelings are in this regard. If you have any questions, please give me a call at SunCom 552-7270.

JWE/scm



**BOARD OF COUNTY COMMISSIONERS
PINELLAS COUNTY, FLORIDA**

**DEPARTMENT OF PUBLIC WORKS AND UTILITIES
ENGINEERING . OPERATIONS . SOLID WASTE . WATER . SEWER
315 COURT STREET
CLEARWATER, FLORIDA 33516
Phone: (813) 462-3251**

COMMISSIONERS

BARBARA SHEEN TODD, CHAIRMAN
JOHN CHESNUT, JR., VICE-CHAIRMAN
GABRIEL CAZARES
CHARLES E. RAINEY
BRUCE TYNDALL

Received DER

September 20, 1983

SEP 23 1983

PRS

Mr. Hamilton S. Oven, Jr.,
Administrator - Power Plant Siting Section
Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32301

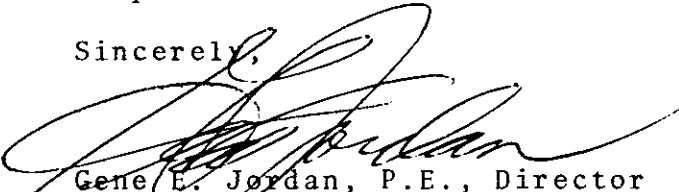
Dear Mr. Oven:

This will acknowledge receipt of your letter of September 14, 1983.

We will take the necessary action to correct the statements in the application Section 2.2 page 10.

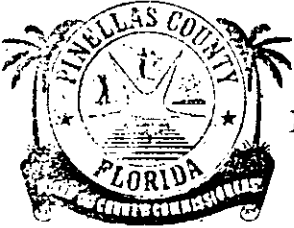
I have asked our County Attorney, Mr. W. Gray Dunlap, to advise us as to the rezoning matter and we will let you know as soon as possible as to the outcome.

Sincerely,



Gene E. Jordan, P.E., Director
Public Works and Utilities

cc: W. Gray Dunlap - County Attorney
W. W. Dasher - Director of Public Works Operations
D. F. Acenbrack - Director of Solid Waste Management



BOARD OF COUNTY COMMISSIONERS

PINELLAS COUNTY, FLORIDA

315 COURT STREET

CLEARWATER, FLORIDA 33516

COMMISSIONERS

BARBARA SHEEN TODD, CHAIRMAN
JOHN CHESNUT, JR., VICE-CHAIRMAN
GABRIEL CAZARES
CHARLES E. RAINEY
BRUCE TYNDALL

W. GRAY DUNLAP
COUNTY ATTORNEY

September 20, 1983

Division of Administrative Hearings
State of Florida
2000 Apalachee Parkway
Oakland Building
Tallahassee, Florida 32301

Received DER

Attention: William E. Williams

SEP 23 1983

Re: Pinellas County's Application for
Power Plant Siting Certification-V
Case No. 83-2355

P.P.S

Gentlemen:

By letter dated August 9, 1983, the Department of Environmental Regulation (DER) stated that the County's application for certification was incomplete pursuant to the requirements of Section 403.5065(2), Florida Statutes.

In response to that notification, provisions of the application were modified to fulfill the concerns expressed by the Department. The revised application was submitted on September 6, 1983.

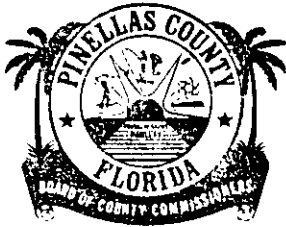
Pinellas County hereby requests that your Order, dated September 9, 1983, be set aside based on resubmittal of the application and subsequent statement by DER that the revised document is complete and accepted by the Department.

Very truly yours,

W. Gray Dunlap
County Attorney

WGD/cam

cc: DER - Power Plant
Siting Section



BOARD OF COUNTY COMMISSIONERS

COMMISSIONERS

BARBARA SHEEN TODD, CHAIRMAN
JOHN CHESNUT, JR., VICE-CHAIRMAN
GABRIEL CAZARES
CHARLES E. RAINEY
BRUCE TYNDALL

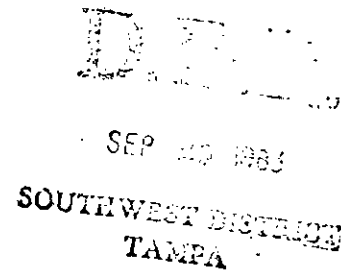
DEPARTMENT OF SOLID WASTE MANAGEMENT
2800 110TH AVENUE NORTH
ST. PETERSBURG, FLORIDA 33702
PHONE (813) 825-1565

P.O. BOX 21623
ST. PETERSBURG, FLORIDA 33742-1623



September 19, 1983

Mr. W. K. Hennessey
Southwest District Manager
Department of Environmental Regulation
7601 Highway 301 North
Tampa, FL 33610-9455



Re: Aggregate Cover

Dear Mr. Hennessey:

One byproduct of the incineration of solid waste at the Pinellas Refuse-to-Energy Plant is a material composed of glass, sand, grit, clinkers, and flyash, and described as aggregate. Presently, nearly 500 tons per day is being produced. In a previous experiment, the County utilized this aggregate material as cover material at its' Class III landfill. The Department has reviewed the results of this experiment and has conditionally approved the continuation of this practice.

At this time, Pinellas County proposes to expand the use of aggregate to include the following:

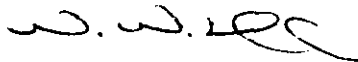
1. Continued use of the aggregate as weekly cover for the Class III landfill.
2. Utilization as daily cover at the Bridgeway Acres II, Class I landfill.
3. Stockpiling on County-owned lands at the Refuse-to-Energy Facility above grade.
4. General above grade usage at the Refuse-to-Energy Facility for road stabilization, fill, and platforms for the proposed slurry wall construction.

1 only at site

Mr. W. K. Hennessey
September 19, 1983
Page 2

Due to the problems associated with managing the large volume of aggregate being produced daily, Pinellas County asks that the Department review this proposal as expeditiously as is possible. Pending a favorable review by the Department, use of the aggregate at the Class III landfill will continue.

Sincerely,



W. W. Dasher, Director
Public Works Operations

WWD:ltl


cc: Buck Oven, DER
Gene Jordan, Dir, PW&U
G. Dunlap, County Attorney
HDR

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

INTEROFFICE MEMORANDUM

For Routing To District Offices And/Or To Other Than The Addressee		
To: _____	Loctn.: _____	
To: _____	Loctn.: _____	
To: _____	Loctn.: _____	
From: _____	Date: _____	
Reply Optional []	Reply Required []	Info. Only []
Date Due: _____	Date Due: _____	

TO: Hamilton S. Oven, Jr.
Bureau of Permitting

FROM: Donald P. Schiesswohl 
Bureau of Wastewater Management and Grants

DATE: September 19, 1983

SUBJECT: Power Plant Siting Application
Pinellas County Resource Recovery Project

The revised application for the power plant siting of the third boiler expansion at the Pinellas County Resources Recovery Facility has been reviewed with respect to the use of treated wastewater effluent for the cooling tower make-up water and the discharge of boiler blowdown and other waste streams to the Pinellas County Wastewater Treatment System. The questions raised in our memorandum of August 5, 1983 have been responded to satisfactorily. Accordingly, it is our opinion that the proposed additional unit will not present a problem. This statement is based on the information furnished and that apparently no problems have been experienced with the present arrangement of using treated wastewater effluent (AWT quality) and discharging waste streams to the Pinellas County Wastewater Treatment System.

DPS/jt

DEPARTMENT OF ENVIRONMENTAL REGULATION

ROUTING AND TRANSMITTAL SLIP

ACTION NO.

ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION)	INITIAL
<i>H. S. Overz Bur of Permitting</i>	DATE
2. <i>Power Plant Siting</i>	INITIAL
	DATE
3.	INITIAL
	DATE
4.	INITIAL
	DATE

REMARKS:

Please let me know if you would like the Pinellas project reports returned to you.

INFORMATION

- REVIEW & RETURN
- REVIEW & FILE
- INITIAL & FORWARD

DISPOSITION

- REVIEW & RESPOND
- PREPARE RESPONSE
- FOR MY SIGNATURE
- FOR YOUR SIGNATURE
- LET'S DISCUSS
- SET UP MEETING
- INVESTIGATE & REPLY
- INITIAL & FORWARD
- DISTRIBUTE
- CONCURRENCE
- FOR PROCESSING
- INITIAL & RETURN

FROM: *Don Schieswohl*

DATE *Sept 19, 1983*

PHONE *8-2582*

September 19, 1983

Mr. William E. Williams
Division of Administrative Hearings
2009 Apalachee Parkway
Tallahassee, Florida 32301

RE: Pinellas County Resource Recovery Project
PA 83-18, DOAH Case No. 83-2355

Dear Mr. Williams:

The Department of Environmental Regulation has reviewed the revised Pinellas County Power Plant Siting Application pursuant to Section 403.5065(2), F.S. The department hereby finds the application complete as of September 6, 1983.

Sincerely,

Hamilton S. Oven, Jr., P.E.
Administrator
Power Plant Siting Section

H50/sb

cc: William W. Deane, Esq.
W. Gray Dunlap, Esq.
Bonnie E. Davis, Esq.
C. Laurence Keeseey, Esq.
Tom Cone, Esq.
Gene Jordan
Barney Capehart

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

INTEROFFICE MEMORANDUM

For Routing To District Offices And/Or To Other Than The Addressee		
To: _____	Locn.: _____	
To: _____	Locn.: _____	
To: _____	Locn.: _____	
From: _____	Date: _____	
Reply Optional []	Reply Required []	Info. Only []
Date Due: _____	Date Due: _____	

To: H.S. Oven, Administrator, Power Plant Siting

Through: Dr. G.J. Thabaraj, Chief, Bureau of Water Analysis *SA for GST*
Dr. L.T. Ross, Chief Biologist, Biology Section *CWS for CR*

From: *LO* Lawrence A. Olsen, Biology Section

Date: 16 September, 1983

Subject: Power Plants- Pinellas County Resource Recovery Project PA 83-18;
review of sufficiency of application

I have reviewed the above-referenced document for sufficiency in terms of ecological effects of plant construction and operation. Since the land is already heavily affected by previous industrial and landfill operations and by the already existing resource recovery facility, the effects of the additional capacity will be insignificant, as the document points out. However, there is one point which I believe has been insufficiently addressed. That is, under Section 2.5.1 Affected Waters, the applicant indicated that during heavy rainfalls, stormwater discharge does get offsite, via a ditch which eventually reaches tidal mangrove wetlands in Old Tampa Bay. I have the following questions pertaining to this runoff:

1. How often does this occur during a year?
2. Has the water quality of the water in the ditch ever been monitored?
3. What is the frequency with which the 20 acre holding pond overflows into the ditch?

I would expect that the answers to the above questions are fairly readily at hand, at least for questions 1 and 3. I would like to be sure that the potential for the export of nutrients, contaminants and suspended solids to the wetlands is minimal.

Received DER

SEP 20 1983

PPS

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

INTEROFFICE MEMORANDUM

For Routing To District Offices And/Or To Other Than The Addressee		
To: _____	Loctn: _____	
To: _____	Loctn: _____	
To: _____	Loctn: _____	
From: _____	Date: _____	
Reply Optional []	Reply Required []	Info. Only []
Date Due: _____	Date Due: _____	

TO: Hamilton S. Oven
THRU: Clair Fancy *CH*
FROM: Tom Rogers *TR*
DATE: September 15, 1983
SUBJ: Pinellas County Resource Recovery Project PA 83-18;
Completeness and Sufficiency Review

Please have the consultant for this project provide me a list of the sources used in the modeling. These sources should be identified by name and include the following information for each emission point: (1) emission rate for each applicable pollutant; (2) UTM coordinate; (3) stack parameters; and (4) indication of whether the emission point consumes PSD increment.

TR/ks

September 14, 1983

Mr. Gene Jordan
Pinellas County Public Works
and Utilities
315 Court Street
Clearwater, Florida 33516

Dear Mr. Jordan:

In reviewing the revised application for the Pinellas County Recovery Project as received on September 6, 1983, the department noted in Section 2.2 on page 10 the following:

1. A statement that "The COC for the original application recommended actions on three parcels of land on and adjacent to the certified site". This statement is incorrect. The department's Site Certification Review report contained those recommendations. The recommended zoning changes were not incorporated in the Conditions of Certification.

2. Paragraph No. 2 reads: "The majority of the 160 acre portion of the certified site which was zoned M-1 was rezoned, by special ordinance, to IH, heavy industrial. This designation permits, among other things, solid waste landfills. A small portion of this tract, located in the southwest corner and nearest the residential area, was rezoned as P, public. This designation allows for the disposal of boiler residue only (see Figure 2-4)." This was not a part of the department's recommendations.

The rezoning indicates a possible procedural error on the County's part. Rezoning of the site appears contrary to the Order Relating to Land Use and Zoning by the Governor and Cabinet dated March 21, 1979, and appears contrary to subsection 403.508(2), Florida Statutes.

Page Two
Mr. Jordan
September 14, 1983

It is suggested that the attorney representing the County contact the department's attorney and the attorney for the Department of Community Affairs to discuss this matter.

Sincerely,

Hamilton S. Oven, Jr., P.E.
Administrator
Power Plant Siting Section

HSO/sb

cc: William W. Deane, Esq.
W. Gray Dunlap, Esq.
C. Laurence Keeseey, Esq.
Bonnie E. Davis, Esq.
Lynn Capehart, Esq.
Tom Cone, Esq.
D. F. Acenbrack, Esq.

INTEROFFICE MEMORANDUM

For Routing To District Offices And/Or To Other Than The Addressee		
To: <u>Hamilton Owen</u>	Loctn.:	
To: _____	Loctn.:	
To: _____	Loctn.:	
From: <u>Don Kell</u>	Date:	<u>9/16/83</u>
Reply Optional []	Reply Required []	Info. Only []
Date Due: _____	Date Due: _____	

TO: Hamilton Owen, Jr.
Power Plant Siting Section

THROUGH: Dr. Rodney S. DeHan, Administrator *RSD*
Groundwater Section

FROM: Don Kell *DK*
Groundwater Section

DATE: September 14, 1983

SUBJECT: Pinellas County Resource Recovery Project - August 1983
PPS Application

Received DER

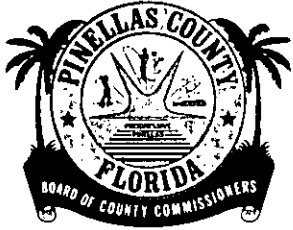
SEP 19 1983

P P S

Pending completion of, and subsequent approval of, the "Comprehensive surface and ground water management program for the entire 730 acre site", we have no adverse comment regarding the slurry wall - zone of discharge concept that might be adopted as an option, and as described in the application.

It is assumed that points 1 through 10 of item (5) in your August 9, 1983 letter to Mr. Williams will be satisfied upon finalization of the proposal.

DK/mj



BOARD OF COUNTY COMMISSIONERS

PINELLAS COUNTY, FLORIDA

315 COURT STREET

CLEARWATER, FLORIDA 33516

COMMISSIONERS

BARBARA SHEEN TODD, CHAIRMAN
JOHN CHESNUT, JR., VICE-CHAIRMAN
GABRIEL CAZARES
CHARLES E. RAINEY
BRUCE TYNDALL

September 13, 1983

Received DEF

SEP 16 1983

P P S

Mr. Hamilton S. Oven, Jr., P.E.
Administrator, Power Plant Siting Section
State Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32301

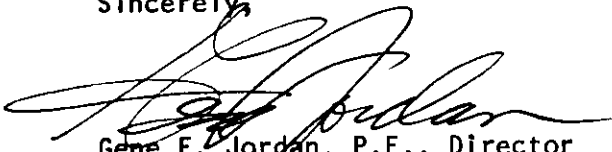
Re: Power Plant Siting Certification (PPSC)

Dear Mr. Oven:

This is in response to your letter of August 31, 1983, concerning the boiler load rate and suggested ways of modifying the Conditions of Certification to confirm that the combustion unit will be capable of handling 1,050 TPD of solid waste at 5,000 BTU/pound.

As seen in paragraph 3.0 on page 20 of the PPSC application, we have taken your suggestion and included the information as part of the proceedings for certifying the Phase II boiler. Also, page 4 of Appendix entitled Operate/Construct Air Pollution Source makes reference to this matter.

Sincerely,



Gene E. Jordan, P.E., Director
Public Works and Utilities

GEJ:ltl

cc: W. K. Hennessey, SW Dist Dir
W. Gray Dunlap, County Attorney
W. W. Dasher, Dir, PW Opns
D. F. Acenbrack, Dir, S/W Mgt
HDR

September 12, 1983

Mr. Larry Chako
City of St. Petersburg
Pollution Control
Post Office Box 2842
St. Petersburg, Florida 33731

RE: Pinellas County Resource Recovery
Project, Phase II, PA 83-18
DOAH Case No. 83-2355

Dear Mr. Chako:

Attached please find a revised application for power plant site certification for an expansion of the Pinellas County Resource Recovery Project as received on September 6, 1983. The application was revised in response to my August 9, 1983 letter to the Hearing Officer.

The Department will review the new application for completeness and sufficiency as required by Chapter 403, Part II, Florida Statutes.

Sincerely,

Hamilton S. Oven, Jr., P.E.
Administrator
Power Plant Siting Section

HSO/sb

September 12, 1983

Mr. Jacob Stowers, III
Pinellas County Pollution Control
Pinellas County Courthouse
315 Court Street
Clearwater, Florida 33516

RE: Pinellas County Resource Recovery
Project, Phase II, PA 83-18
DOAH Case No. 83-2355

Dear Mr. Stowers:

Attached please find a revised application for power plant site certification for an expansion of the Pinellas County Resource Recovery Project as received on September 6, 1983. The application was revised in response to my August 9, 1983 letter to the Hearing Officer.

The Department will review the new application for completeness and sufficiency as required by Chapter 403, Part II, Florida Statutes.

Sincerely,

Hamilton S. Owen, Jr., P.E.
Administrator
Power Plant Siting Section

September 12, 1983

Mr. Scott Wilson
Tampa Bay Regional
Planning Council
9455 Koger Boulevard
St. Petersburg, Florida 33702

RE: Pinellas County Resource Recovery
Project, Phase II, PA 83-18
DOAH Case No. 83-2355

Dear Mr. Wilson:

Attached please find a revised application for power plant site certification for an expansion of the Pinellas County Resource Recovery Project as received on September 6, 1983. The application was revised in response to my August 9, 1983 letter to the Hearing Officer.

The Department will review the new application for completeness and sufficiency as required by Chapter 403, Part II, Florida Statutes.

Sincerely,

Hamilton S. Owen, Jr., P.E.
Administrator
Power Plant Siting Section

HSO/sb
Attachment

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

INTEROFFICE MEMORANDUM

For Routing To District Offices And/Or To Other Than The Addressee		
To: _____	Loctn.: _____	
To: _____	Loctn.: _____	
To: _____	Loctn.: _____	
From: _____	Date: _____	
Reply Optional []	Reply Required []	Info. Only []
Date Due: _____	Date Due: _____	

TO: Dan Williams SW District
Joyce Gibbs Pinellas County DEM
Clair Fancy
Bob King

FROM: Ed Palagyi, BACT Coordinator

DATE: September 12, 1983

SUBJ: Resource Recovery - Pinellas County

Greetings: One of the prodigious honors of air program affiliation is being a member of the prestigious BACT review group.

Your global proximity and environmental concerns have won you a choice seat on this illustrious committee.

Please review the attached set-up preliminary pre-draft of a BACT for the proposed Pinellas County Resource Recovery proposed modification. Fill in the blanks with your recommended emission limits. A list of incinerator projects taken from the EPA BACT clearinghouse report is attached as background information.

Please send your completed response to Ed Palagyi, BAQM, before October 1, 1983. Your cooperation in this matter is very much appreciated.

EP/ks

D.E.R.

SEP 15 1983

SOUTHWEST DISTRICT
TAMPA

BACT Clearinghouse Reports
Refuse Incinerators

Westchesler County Resource Rec. NY

3 @ 750 T/D

PM - 0.3 gr/dscf at 12% CO₂
CO - .62 lb/ton waste
NOx - 3 " " "
Pb - .03 gr/dscf
Hg - .03 " "
Be - .03 " "

Steam Supply Corp. OK

3 @ 230 T/D

PM - .06 gr/dscf
SO₂ - 17.5 lb/hr
NOx - 46 " "
VOC - 3.5 " "
CO - 54.6 " "
Hg - .2 " "

Energy Answers Corp. MA

3 @ 600 T/D Semas Project

PM 0 .05 gr/dscf
NOx - .5 lb/10⁶ Btu

Tampa McKay Bay Res. Rec. FL

4 @ 250 T/D

SO₂ - 170 lb/hr
NOx - 300 " "
VOC - 9 " "
Pb - 3 " "
F - 6 " "
Hg - .6 " "
Be - 5 grams/day

Municipal Inc. MD

600 T/D

PM - .03 gr/dscf
SO₂ - 35 lb/hr
CO - 30 " "
VOC - 1.3 " "
NOx - 2.6 " "

NESWC Resource Rec. MA

750 T/D

PM - /05 gr/dscf
NOx - .32 lb/10⁶ Btu
CO - .07 " " "
SOx - .02 " " "

N. W. Maryland Waste Disposal MD

2010 T/D

(Modified Source)

SO₂ - 335 lb/hr
CO - 109 " "
NOx - 227 " "
F - 4.2 " "

PRELIMINARY

Best Available Control Technology (BACT) Determination

Public Works and Utilities

Pinellas County

The applicant plans to construct a third municipal solid waste fired boiler to increase the throughput of the existing resource recovery facility located in Pinellas County, Florida. The proposed mass burn Martin combustion system will be similar to the two existing units. The new unit will be capable of incinerating 1050 tons per day of municipal waste, and will increase the solid waste processing capacity of the facility to 3150 tons per day.

The proposed mass burn unit is designed for a heat input of 411 million Btu per hour based upon a waste heat content of 5000 Btu per pound. This added unit will increase the processing throughput of the facility to allow incineration of the solid waste expected to be generated over the next ten years.

Potential Air Pollutant Emissions (ton/year)

Particulate - 109 (25)*

Sulfur Dioxide - 577 (40)

Nitrogen Oxides	- 577	(40)
Carbon Monoxide	- 288	(100)
Lead	- 58	(0.6)
Beryllium	- .0019	(.0004)
Mercury	- 2.1	(0.1)
Hydrogen Floride	- 28	(3)

* Regulated Air Pollutants - Significant Emission Rates.

The steam generated will be used to produce electrical power for distribution into the peninsula grid system. The new source is being reviewed according to Florida Administrative Code Chapter 17-17, Electrical Power Plant Siting and Rule 17-2.500, Prevention of Significant Deterioration. The Bureau of Air Quality Management is performing the air quality review and the BACT determination for the siting committee. The certification number for the existing facility is PA 78-11.

BACT Determination Requested by the Applicant:

An electrostatic precipitator (ESP) will be installed to control the discharge of particulate matter at 0.03 gr/dscf, or less, corrected to 12% CO₂. The ESP will also control lead, beryllium and mercury emissions. Sulfur dioxide emissions will be limited by firing municipal waste, a low sulfur content fuel. Burner design and operating procedures will be the methods used to limit NOx emissions. ~~Burner controls installed to minimize the~~

~~limit NOx emissions.~~ Burner controls installed to minimize the emission of CO due to incomplete combustion.

Date of Receipt of a BACT Application:

September 7, 1983

Date of Publication with Florida Administrative Weekly:

September 16, 1983

Review Group Members:

Bob King - New Source Review Section

Clair Fancy - Central Air Permitting

Tom Rogers - Air Modeling Section

Dan Williams - SW District Office

BACT Determination by DER:

Pollutant	Emission
Particulates	0.03 grains/dscf, corrected to 12 percent CO ₂
Sulfur dioxide	_____

Nitrogen Oxides

Carbon Monoxide

Lead

Beryllium

Mercury

3200 grams/day

Particulates

40 CFR 60.150, Subpart O,
will apply when more than
2205 lb/day (dry basis)
of municipal sewage sludge
is fired in the incinerator.

Visible Emissions

_____opacity

Compliance testing for the mass emission rate limits for particulate, SO₂, and NO_x shall be conducted in accordance with Rule 17-2.700.

Compliance with the opacity limit shall be demonstrated in accordance with DER Method 9, Rule 17-2.700.

When more than 2205 lb/day of municipal sewage sludge is fired, compliance with the Mercury emission limit shall be conducted in accordance with 40 CFR 61, Method 101 Appendix B.

A continuous monitoring system to measure the opacity of emissions shall be installed, calibrated, and maintained in accordance with the provisions of Rule 17-2.710 - Continuous Monitoring Requirements. The CEM must be installed and operational prior to compliance testing.

BACT Determination Rationale

NSPS, 40 CFR 60.50, Subpart E is applicable to this source. If more than 2205 pounds per day of municipal sewage sludge (dry basis) is fired in the incinerator, NSPS 40 CFR 60.150, Subpart O, also applies. The mercury emission limit is the National Emission Standard for Mercury 40 CFR 61.50, Subpart E. If Subpart E is applicable to the proposed source is subject to interpretation.

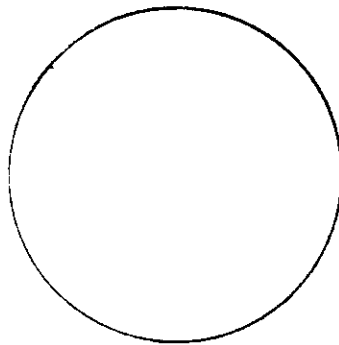
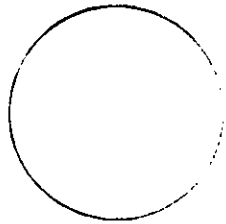
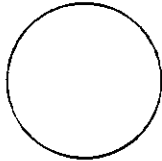
Several factors to be considered are:

- 1) Resource recovery facilities have a high potential for severely and adversely affecting air quality. Pollutants of concern SO₂, NO_x, particulates, HC, HCL, and HF acid gases.

- 2) The thermal destruction of municipal waste is a recognized method of disposal, and A. reduces landfill area requirements; B. eliminates a breeding ground for rodents; C. reduces possibility of ground water contamination; D. allows for the recovery of various metals for recycle.
- 3) Air pollution control technology is currently commercially available and capable of achieving the levels of control necessary to reduce most emissions from resource recovery facilities.
- 4) Calculation of sulfur dioxide emission factors for solid waste based upon the amount of SO₂ generated per million Btu of solid waste burned show the high value of the solid waste SO₂ emission factor for residue fuel oil containing 0.5 percent sulfur.
- 5) The technology for controlling NO_x emissions from resource recovery facilities is still in the experimental stage.
- 6) The land area needed for a landfill (dump) will be reduced approximately 90 percent. The residue (ash) to be disposed of in a landfill will be 15 percent of the mass but only 5 percent of the volume of waste collected and burned.

This is a set-up preliminary pre-draft for your review and comments. Please write in your recommended BACT limits and rationale.

Return to Ed Palagyi, BAQM, before October 1, 1983.



STATE OF FLORIDA
DIVISION OF ADMINISTRATIVE HEARINGS

Received DER

SEP 13 1983

P P S

In Re: PINELLAS COUNTY RESOURCE RECOVERY)
PROJECT, Application for Power Plant) CASE NO. 83-2355
Cite Certification)
_____)

O R D E R

THIS CAUSE having come on for consideration on the Hearing Officer's own motion, and the Hearing Officer having reviewed the matters on file in this cause, it is found and ordered as follows:

1. By letter dated July 27, 1983, the Department of Environmental Regulation requested the assignment of a Hearing Officer to conduct further proceedings in this cause. That correspondence reflected that the Department of Environmental Regulation received a power plant site certification application concerning the Pinellas County Resource Recovery Project-Phase II on July 26, 1983.

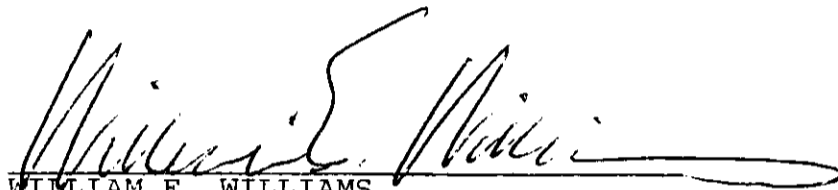
2. Subsequently, by letter dated August 9, 1983, the Hearing Officer and other parties to this cause were advised that the Department of Environmental Regulation had determined that the referenced application was incomplete pursuant to the requirements of Section 403.5065(2), Florida Statutes.

3. As of the date of this order, no pleadings or appearances of any nature have been filed by or on behalf of the applicant. Specifically, the applicant in this cause has neither filed a statement agreeing with the Department's statement of incompleteness, nor a statement contesting that conclusion. Accordingly, it is

ORDERED:

1. The parties to this proceeding shall have a period of ten (10) days from receipt of this order to show cause, if any they can, why the applicant's silence should not be construed as a withdrawal of this application. Failure to comply with the requirements of this order will result in the entry by the Hearing Officer of a recommended order of dismissal.

DONE AND ORDERED this 9th day of September, 1983,
at Tallahassee, Florida.



WILLIAM E. WILLIAMS
Hearing Officer
Division of Administrative Hearings
2009 Apalachee Parkway
Oakland Building
Tallahassee, Florida 32301
904/488-9675

FILED with the Clerk of the Division
of Administrative Hearings this 9th
day of September, 1983.

Copies furnished to:

William W. Deane, Esq.
Department of Environmental
Regulation
2600 Blair Stone Road
Tallahassee, Florida 32301

Hamilton S. Oven, Jr., P.E.
Administrator
Power Plant Siting Section
Department of Environmental
Regulation
2600 Blair Stone Road
Tallahassee, Florida 32301

Pinellas County Board of
County Commissioners
Post Office Box 21623
St. Petersburg, Florida 33742-1623
Attn: Department of Solid Waste
Management

W. Gray Dunlap, Esq.
County Attorney
Pinellas County Courthouse
315 Court Street
Clearwater, Florida 33516

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

INTEROFFICE MEMORANDUM

For Routing To District Offices And/Or To Other Than The Addressee		
To: <u>Tom RODGERS</u>	Loctn: <u>TLH</u>	
To: _____	Loctn: _____	
To: _____	Loctn: _____	
From: _____	Date: _____	
Reply Optional []	Reply Required []	Info. Only []
Date Due: _____	Date Due: _____	

DER

SEP 7 1983

TO: Power Plant Siting Review Committee
FROM: Hamilton S. Oven, Jr. *Hso*
DATE: September 7, 1983
SUBJECT: Pinellas County Resource Recovery Project
PA 83-18

BAQM

Attached is a revised copy of the Pinellas County power plant siting application. The application was revised in response to comments made by the department in early August. Please review the revised application for completeness and sufficiency and submit your comments concerning the same to me by September 16, 1983.

cc: Frank Andrews
Clair Fancy
Tom Rodgers
Ed Palagyi
Larry Olsen
Don Kell
Don Schiesswohl
Bill Hennessey
Patrick Lewis
Suzanne Walker

September 7, 1983

Mr. William E. Williams
Division of Administrative Hearings
2009 Apalachee Parkway
Tallahassee, Florida 32301

RE: Pinellas County Resource Recovery
Project, Phase II, PA 83-18
DOAH Case No. 83-2355

Dear Mr. Williams:

Attached please find a revised application for power plant site certification for an expansion of the Pinellas County Resource Recovery Project as received on September 6, 1983. The application was revised in response to my August 9, 1983 letter to you. *To the Hearing Office*

The Department will review the new application for completeness and sufficiency as required by Chapter 403, Part II, Florida Statutes.

Sincerely,

Hamilton S. Oven, Jr., P.E.
Administrator
Power Plant Siting Section

HSO/sb

cc: William W. Deane - a
Bonnie E. Davis - PSC
C. Laurence Keeseey - a
Tom Cone
Gary Kuhl - a - SUEFLUMD
Jim Hoffsis - a - PSC
Barney Capehart - a
W. Gray Dunlap -

TO: Power Plant Siting Review Committee
FROM: Hamilton S. Oven, Jr.
DATE: September 7, 1983
SUBJECT: Pinellas County Resource Recovery Project
PA 83-18

Attached is a revised copy of the Pinellas County power plant siting application. The application was revised in response to comments made by the department in early August. Please review the revised application for completeness and sufficiency and submit your comments concerning the same to me by September 16, 1983.

cc: Frank Andrews
Clair Fancy
Tom Rodgers -2
Ed Palagyi -a
Larry Olsen -a
Don Kell -a
Don Schiesswohl -a
Bill Hennessey -a
Patrick Lewis -a
Suzanne Walker

September 1, 1983

Mr. W. W. Dasher
Director, Public Works Operations
Pinellas County Department of Solid
Waste Management
Post Office Box 21623
St. Petersburg, Florida 33742-1623

Dear Mr. Dasher:

The Department of Environmental Regulation has reviewed the conceptual hydrogeological investigation presented in Ardaman Associates' August 9, 1983, letter. This preliminary survey appears comprehensive enough to provide the information necessary to assess the feasibility of the bentonite-slurry wall leachate control proposal and future ground water monitoring plans.

Sincerely,

Hamilton S. Oven, Jr., P.E.
Administrator
Power Plant Siting Section

HSO/sb

cc: Pat Lewis
Don Kell

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION
INTEROFFICE MEMORANDUM

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To: _____	Loctn.: _____	
To: _____	Loctn.: _____	
To: _____	Loctn.: _____	
From: _____	Date: _____	
Reply Optional []	Reply Required []	Info. Only []
Date Due: _____	Date Due: _____	

TO: Steve Fox
THROUGH: W. K. Hennessey *WKH*
FROM: Jim Estler *JE*
DATE: September 6, 1983
SUBJECT: Agency Position On the Use of
Fly Ash Material

On April 11, 1983, we requested an agency position on the use of fly ash material. We have received a copy of Buck Owen's comments on this matter but have not yet heard anything further.

Recently, we attended two meetings in Tallahassee on resource recovery facilities applying for certification under the Power Plant Siting Act. The issue of fly ash was brought up at both meetings. Apparently, the combustion by-products of these sources yield a material containing a percentage of fly ash. The remainder of the materials, referred to by Pinellas County Resource Recovery representatives as aggregate (material which passes through their metal separation process), has a chemical analysis similar to that of fly ash. The County uses the aggregate in their construction activities (ie: as fill).

It appears that these materials, if deposited in contact with groundwater, will contribute to a water quality violation. We therefore plan to limit such disposal to sites having zones of discharge or appropriate containment.

We expressed a concern at the meetings that disposal of this aggregate material should be governed by the same safeguards as our recommended ones for fly ash.

Please include disposal of wastes from resource recovery facilities in your review of the fly ash issue and ultimate formulation of an agency policy.

Should you or your staff have any questions, please give Jim Estler a call at Sun Com 552-7270.

JE/scm

REPORT ON USE OF AGGREGATE AS COVER MATERIAL - AUGUST 29, 1983

In midJuly a review of the Bridgeway Acres Class III Landfill posed the opportunity to experiment with the use of a refined "aggregate" from the Resource Recovery Plant as a material for use as a maneuvering surface and for cover over deposited wastes.

The Pinellas County Solid Waste System had stockpiled several thousand tons of aggregate in the vicinity; pending determination of its character and application. The Tampa Regional office of DER was consulted and agreed to a month's trial, provided the material not be placed below the natural water table and further provided that it remain on site.

The Department of Solid Waste Management authorized and directed its contractor, Laidlaw Waste Systems, to use aggregate it was hauling as cover. This was done during the 30 day period ending on August 20.

Climatic conditions were typical for the season, with almost daily rainfall and low to moderate winds. On some occasions heavy rainfall (2" to 3") fell.

Immediately into the trial period extensive roadway and maneuvering surfaces were laid out from the top of the paved entry roadway westward. This enabled delivering vehicles to travel to the westernmost limit of the landfill. The new surface was built on earlier daily cover, which was predominantly clay soil, and built with about 8" of aggregate.

CONCLUSIONS

1. As a roadway, the aggregate remained pourous and bound well into the clay cover soil, which was barely saturated, thus not releasing much moisture upward during compaction. Rolling wheels of delivery vehicles compacted the aggregate well and resulting slopes drained moderately to well. Even during rains, the traffic did not rut on straight runs and surfaces held up better than on natural soils when making turns.
2. Because of the bed thickness and compacted stability, the aggregate isolated troublesome materials from vehicle wheels, thus substantially reducing flat tires and the congestion normally associated with incapacitated trucks.
3. The combined drying effects of sun and wind were offset by overnight dampness and rain to keep to an absolute minimum any airborne dust from aggregate constituents. This is likely to change once

seasonal weather changes take place.

4. After steel wheel compaction of wastes, aggregate was easily moved with excellent feathering characteristics to accomplish weekly cover. After secondary compaction the (cover) objective of fire-stop appeared to be properly met.
5. Resistance to air movement through compacted aggregate was not measured.
6. Weathering resistance of both naturally piled and compacted aggregate appeared to be higher than any naturally available on--site material.
7. No measure was attempted of any corrosibility or resulting abrasive wear from aggregate on refuse vehicles or heavy machinery.

RECOMMENDATION:

The practice of utilizing aggregate for surface and cover construction be continued throughout the remainder of the season when we can expect rain, to be discontinued immediately if natural drying appears to produce any airborne difficulties with dust, especially off--site.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION



SOUTHWEST DISTRICT

7601 HIGHWAY 301 NORTH
TAMPA, FLORIDA 33610-9544

BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

WILLIAM K. HENNESSEY
DISTRICT MANAGER

September 1, 1983

Mr. Robert S. Becker
Solid Waste Operations Manager
Pinellas County Department of Solid Waste Management
P.O. Box 21623
St. Petersburg, FL 33742-1623

Re; Aggregate Cover
Class III Landfill

Dear Mr. Becker:

This is in response to your letter of August 19, 1983 concerning the above referenced subject. Following our on-site meeting of August 30, 1983 and review of the report concerning the use of the aggregate as cover material at the Class III landfill, we offer the following comments:

1. During the inspection, no fugitive dust problem was observed as a result of the use of this material as initial cover. We concur that a closer look should be taken during dry periods when cover may become dry. If a dust problem should develop, use should be discontinued unless adequate dusting controls are taken.
2. This material appears to meet the criteria for "initial cover" pursuant to Section 403.703(16), F.S. (see attached).
3. We have no objection for the use of this material as initial cover at the Class III landfill, provided that it does not create a fugitive dust problem, and it is not used as part of the intermediate or final soil cover.

If you have any questions concerning this matter, please do not hesitate to contact me at telephone number 813/985-7402.

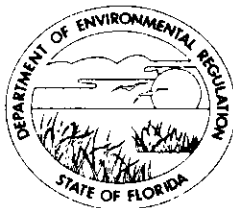
Sincerely,

Patrick W. Lewis
Environmental Specialist

PWL/bc

cc: W.W. Dasher
Doug Bramlett
John Reese

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION



SOUTHWEST DISTRICT

7601 HIGHWAY 301 NORTH
TAMPA, FLORIDA 33610-9544

BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

WILLIAM K. HENNESSEY
DISTRICT MANAGER

September 1, 1983

Mr. Gene E. Jordan
Director of Public
Works & Utilities
315 Court Street
Clearwater, FL 33516

- Re: (1) DER Warning Notice #52-83-04-087
(2) DER letter dated April 29, 1983
(3) Residue analysis submitted to DER
on June 28, 1983

Dear Mr. Jordan:


Concerning the referenced correspondence relating to disposal of boiler residue generated at the Resource Recovery Plant, we feel the requirements of paragraph E.6 of Certification Case #PA 78-11 have been met in that the residue analysis shows the residue to be non-hazardous. We, therefore, approve of your plans to place boiler residue below the groundwater level in the existing "pit" which has remained open and is now full of leachate contaminated stormwater and groundwater.

The contaminated water should be pumped to treatment then spray irrigated in such a manner as to prevent run-off into the stormwater collection system. We recommend removal of the ferrous materials before disposal of residue into the dewatered pit. This dewater to treatment and disposal plan approval is a one time event intended to correct a severe specific problem area of the Bridgeway Acres Landfill.

This letter hereby constitutes closure of our enforcement involving warning notice #52-83-04-087.

Please contact this office when this project commences so our field personnel can monitor the work.

Sincerely,


R. Craig McArthur
Enforcement Supervisor

DSB/err
cc: W.K. Hennessey
Ace Acenbrack
Bill Dasher
pat Lewis

Protecting Florida and Your Quality of Life
Buck Owen