FLORIDA

Department of Environmental Protection

Lawton Chiles
Governor

Marjory Stoneman Douglas Building
3900 Commonwealth Boulevard
Tallahassee, Florida 32399-3000

Virginia B. Wetherell
Secretary

September 27, 1994

Dr Marc C. Bruner
Solid Waste Authority
7501 North Jog Road
West Palm Beach, Florida 33412

Re: Palm Beach County Resource Recovery Facility
PA 84-20, Ash Management Amendment

Dear Dr. Bruner:

The drawing attached to your letter of September 20, 1994, is too general to demonstrate where the exhaust from the dry chemical silo baghouse will be located. It would be helpful if you would amend one of the drawings from the original application to show the location of the chemical silo and where it will interact with the flyash conveyor. You might consider changing figures contained in Volume IV of the application, such as Attachment 3 or Attachment 5/Sheet 1 of 3. In the alternative, you could modify the second drawing attached to Lee Rosenthal's letter of August 29, 1994 as prepared by Forrester Environmental Services, Inc. to reflect where the silo baghouse will be ducted.

Sincerely,

Hamilton S. Oven

Hamilton S. Oven, P.E.
Administrator, Siting
Coordination Office

cc: Bruce Mitchell
Izzy Goldman
Joe Kahn
Raisa Neginsky
Richard Donelan

September 20, 1994

SWA
SOLID WASTE AUTHORITY

YOUR PARTNER FOR
SOLID WASTE SOLUTIONS

DEPARTMENT OF
ENVIRONMENTAL PROTECTION

SEP 22 1994

SITING COORDINATION

Florida Department of Environmental Protection
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Attn: Hamilton S. Oven

Subject: Additional Information
Amendment to PPSC PA 84-20
Ash Management System

Dear Buck:

Pursuant to our telephone conversation, attached is supplemental information concerning our request for an amendment to the Power Plant Siting Certification for the Authority's North County Resource Recovery Facility.

As you may recall the Amendment requests authorization to construct and operate a Dry Chemical Feed System for the treatment/fixation of fly ash (dry scrubber and ESP residue).

The attached schematic identifies the change from the earlier submittal. Note that the outlet from the dry chemical silo baghouse is now hard piped to the enclosed fly ash conveyor system. This will capture any emissions and contain them in the existing ash management system. With this change the proposed system should not create any additional sources, emissions, or points of release at the facility.

Copies of this request have been sent to FDEP legal counsel and technical staff in West Palm Beach to assist in starting the review process.

Your attention in this matter is most appreciated. If you have any questions or I can be of further assistance, please do not hesitate to contact me.

Very truly yours,

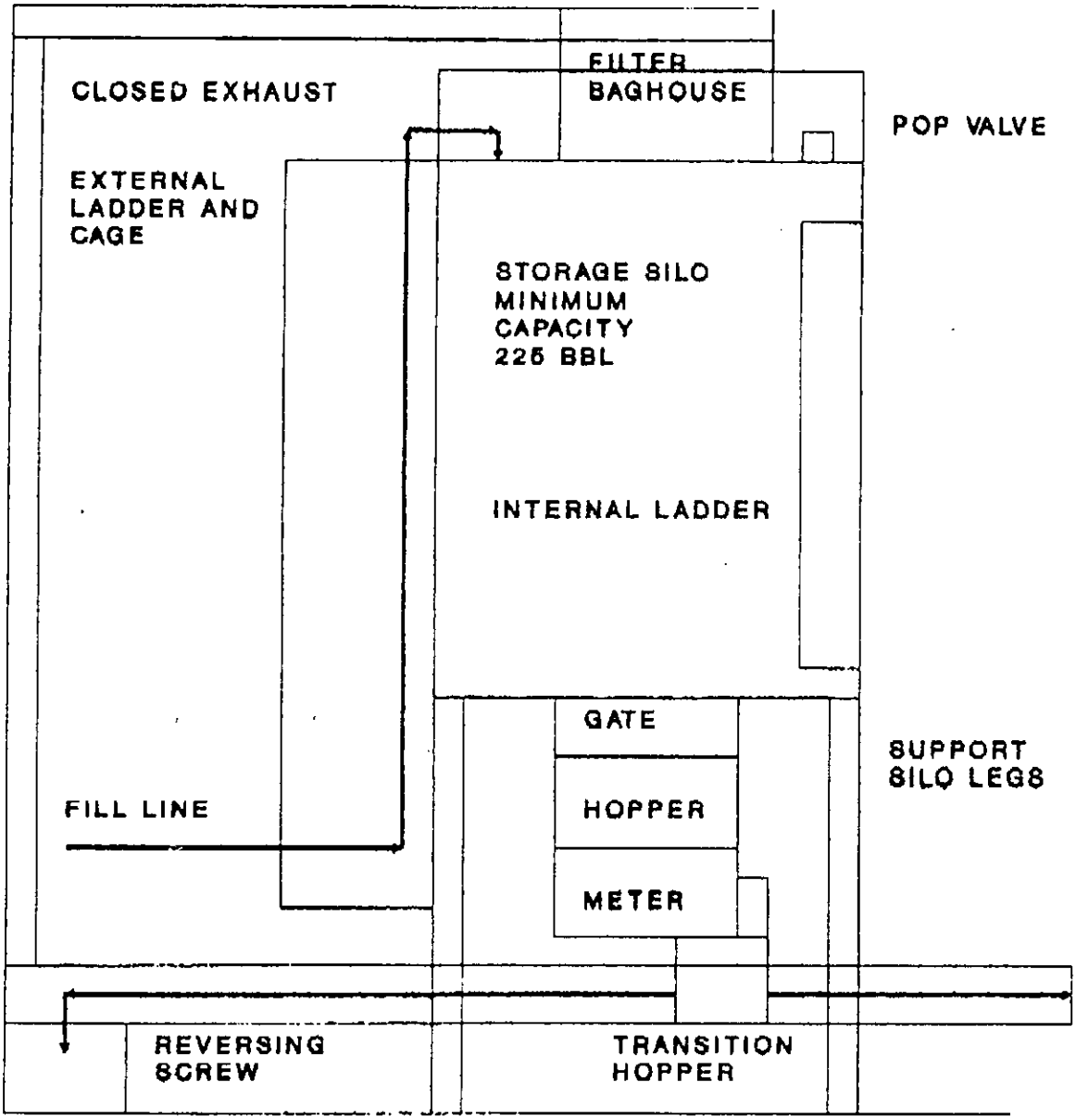
Marc C. Bruner

Marc C. Bruner, Ph.D.
Director of Planning and Environmental Programs

cc: Don Lockhart, SWA
Mark Hammond, SWA
Lee Rosenthal, SWA
John Booth, SWA
Richard Donelan, FDEP
Joe Kahn, FDEP

7501 North Jog Road, West Palm Beach, Florida 33412 (407) 640-4000 FAX 683-4067

FESI/DRY STORAGE AND METERING DETAILS
WEST PALM BEACH COUNTY AUTHORITY



EXISTING FLYASH DRAGS

REINFORCED CONCRETE FOUNDATION

DESIGN NOTES:

- o REVERSING SCREW LOADS TO SOUTH AND NORTH FASR CONVEYORS
- o ACRISON 101-K FEEDER WITH VARIABLE DC DRIVE
- o 8" KNIFE GATE WITH TIGHT FACE TOLERANCE
- o BULK CHEMICAL DENSITY AT 90 TO 100 PCF

Post-it™ brand fax transmittal memo 7671 | # of pages ▸ 6

To Buck Owen	From Lee Rosenthal
Co. FDEP	Co. SWA
Dept.	Phone #
Fax # 904-922-5380	Fax # 407-683-4067

SOLID WASTE AUTHORITY

YOUR PARTNER FOR
SOLID WASTE SOLUTIONS

August 29, 1994

Florida Department of Environmental Protection
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Attn: Richard Donelan

Subject: Amendment to PPSC PA 84-20
Ash Management System

Dear Sir:

The Solid Waste Authority hereby requests that the Power Plant Siting Certification for the Authority's North County Resource Recovery Facility be amended.

This Amendment is requested to authorize the construction and operation of a Dry Chemical Feed System for the treatment/fixation of fly ash (dry scrubber and ESP residue).

The attached letter and schematic identify the basic components of the system. This system can use a variety of chemicals, alone or in combination, to achieve the desired results. At this point in time, it is anticipated that Type II Portland cement will be the dry chemical feedstock. The proposed system should not create any additional sources, emissions, or points of release at the facility.

Copies of this request have been sent to FDEP technical staff in Tallahassee and West Palm Beach, to assist in starting the review process.

The Solid Waste Authority also requests authorization to install temporary facilities to enable us to evaluate and fine tune the effectiveness of this technology while the amendment process is underway.

Your attention in this matter is most appreciated. If you have any questions or I can be of further assistance, please do not hesitate to contact me.

Very truly yours,

Lee Rosenthal

Lee Rosenthal
General Counsel
Solid Waste Authority
of Palm Beach County

cc: Don Lockhart, SWA
Mark Hammond, SWA
Marc Bruner, SWA
John Booth, SWA
Buck Oven, FDEP
Joe Kahn, FDEP

FESI FORRESTER ENVIRONMENTAL SERVICES, INC.

FESI CONFIDENTIAL AND PROPRIETARY INFORMATION

TELECOPY 407/697-8635

August 20, 1994

Mr. Robert F. Worobel
Plant Engineer
Solid Waste Authority of Palm Beach County
7501 North Jog Road
West Palm Beach, Florida 33412

Re: FESI/DRY Permanent System Bid Information

Dear Rob:

The following bid information has been submitted to several vendors for engineering, procurement, construction and delivery of two (2) identical FESI/DRY chemical feed systems for your facility. Please review the specifications, and submit any changes or comments as soon as possible:

FESI/DRY SYSTEM COMPONENTS

The two (2) FESI/DRY systems will include the following process components:

(1) 225 Brrl Steel Silo with support legs, external ladder with cage, internal ladder, 360-degree top railing, 4" pneumatic loading pipe with aluminum cam lock male fitting, 150 Sq. Ft. Dust baghouse with air vibrator and pop-off valve, vibrator air line, top manhole and sealed lid, 8 external air pads for cone turbulation with dry 60 psi air feed, internal inverted cone, cone bottom 8" flanged fitting and sandblast, prime, and paint;

(2) Silo base flange-to-flange 8" slide gate with limited open-face tolerance;

(3) Flange-to-8" diameter spool transition with 8" rubber sock connector and two (2) steel tie bands;

(4) 8" diameter spool to Acrison 101-K inlet transition hopper;

(5) Model 101-K Acrison Feeder with DC drive and variable feed controller for loading range 400 to 100 lbs/hr of FESI/DRY-D at a bulk fed density of 90 pcf upon relay signal from existing facility Bailey flyash drag motor conveyor controls;

(6) Acrison screw to 20' length horizontal reversing screw transition hopper;

(7) 20' 6" diameter reversing screw, screw housing and drive motor for loading from Acrison feeder to either North or South FASR drag conveyors;

(8) Equipment priming and painting - tan or gray finish.

PROCESS SCHEMATICS

The attached process schematics have been prepared for this project with a design objective of FESI/DRY chemical feed directly to the existing facility flyash drag conveyors.

Please call if you have any questions.

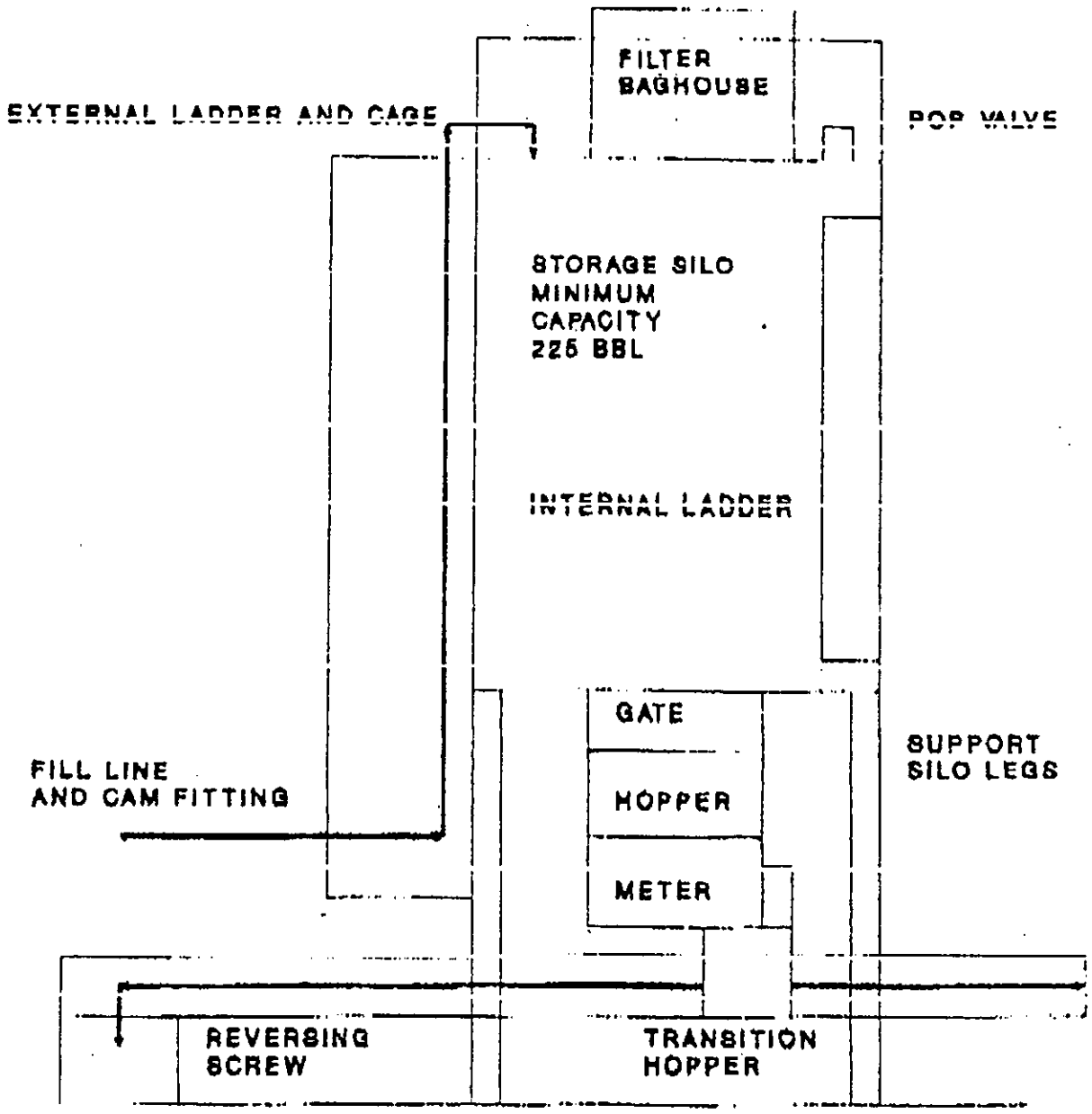
Sincerely,

Keith E. Forrester, P.E., M.S.Env.Eng.
President

c: Ms. J. L. Forrester, MBA, CFO/Vice President

Atts: FESI/DRY Pre-FASR Mixer Process Schematics
File: m/word-3

FESI/DRY STORAGE AND METERING DETAILS
WEST PALM BEACH COUNTY AUTHORITY



EXISTING FLYASH DRAGS REINFORCED CONCRETE FOUNDATION

DESIGN NOTES:
- o REVERSING SCREW LOADS TO SOUTH AND NORTH FASR CONVEYORS
- o ACRISON 101-K FEEDER WITH VARIABLE DC DRIVE
- o 8' KNIFE GATE WITH TIGHT FACE TOLERANCE
- o BULK CHEMICAL DENSITY AT 90 TO 100 PCF

WEST PALM BEACH SOLID WASTE AUTHORITY