



Department of Environmental Protection

Lawton Chiles
Governor

Virginia B. Wetherell
Secretary

December 4, 1998

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. E. David Fernandez
Utilities Director
The City of Key West
Southernmost Waste to Energy Facility
5701 W. Junior College Road
Key West, Florida 33040

Re: DEP File No. 0870047-002-AC
Soot Blowing Modification

Dear Mr. Fernandez:

The Department reviewed your request to allow manual soot blowing in Units 1 and 2, municipal solid waste combustors, as described in the application received on September 4, 1998. The Department's analysis was discussed in the technical evaluation distributed with the Intent to Issue Air Construction Permit Modification. The existing operation permits numbered AO 44-207778 and AO 44-207781 are hereby modified by this construction permit as follows:

NEW SPECIFIC CONDITION

The permittee may manually soot blow with compressed air in each of the external boiler soot ports in lieu of automatically soot blowing with steam. The permittee shall maintain at the facility a copy of the current procedure for manually soot blowing. [Rule 62-4.070(3), F.A.C.]

This permit modification is issued pursuant to Chapter 403, Florida Statutes. Any party to this order (permit modification) has the right to seek judicial review of the permit pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Legal Office; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 (thirty) days from the date this Notice is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

Howard L. Rhodes, Director
Division of Air Resources
Management

Mr. E. David Fernandez
DEP File No. 0870047-002-AC
December 4, 1998
Page 2 of 2

CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this PERMIT was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 12-8-98 to the person(s) listed:

Mr. E. David Fernandez, SWTE *
Mr. David Knowles, South District
Mr. Jim Edds, South District, Marathon

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.

Kym J. Ober 12-8-98
(Clerk) (Date)

Memorandum

Florida Department of
Environmental Protection

TO: Howard L. Rhodes

THRU: Clair Fancy *JKP*
Al Linero *AL*

FROM: Joe Kahn *JK*

DATE: December 4, 1998

SUBJECT: City of Key West
Southernmost Waste to Energy Facility
DEP File No. 0870047-002-AC

BAR

Attached for approval and signature is a letter that will amend existing operation permits numbered AO 44-207778 and AO 44-207781 to allow manual soot blowing at the city's municipal waste combustion facility.

This modification will formally allow the city to use manual soot blowing with compressed air instead of automatically soot blowing with steam. The steam soot blowing system damaged the boiler heat exchange surfaces and caused operational problems at the facility. There were no comments received as a result of the intent to issue and public notice for this project.

I recommend your approval and signature.

Fold at line over top of envelope to the right of the return address

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):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
 Mr. E. David Fernandez
 The City of Key West
 Southernmost Waste to
 Energy Facility
 5701 W. Jr. College Rd.
 Key West, FL 33040

4a. Article Number
 Z 333 612 567

4b. Service Type

- Registered
- Express Mail
- Return Receipt for Merchandise
- Certified
- Insured
- COD

5. Received By: (Print Name)
 Phil Rushing

7. Date of Delivery
 12/11/98

6. Signature: (Addressee or Agent)
 X *[Signature]*

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

PS Form 3811, December 1994

102595-97-B-0179

Domestic Return Receipt

Thank you for using Return Receipt Service.

Z 333 612 567

US Postal Service
Receipt for Certified Mail

No Insurance Coverage Provided.
 Do not use for International Mail (See reverse)

Sent to	David Fernandez
Street & Number	City of Key West
Post Office, State, & ZIP Code	Southernmost Waste
Postage	No Energy
Certified Fee	FL, FL
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	12-8-98
	0870047-002-AC

PS Form 3800, April 1995

THE CITIZEN KEY WEST

3420 Northside Drive Key West Fl. 33040 Office 305-294-6641 Fax 305-294-0768

Published Daily
Key West, Monroe County, Florida 33040

RECEIVED
NOV 16 1998
BUREAU OF
AIR REGULATION


STATE OF FLORIDA COUNTY OF MONROE

Before the undersigned authority personally appeared Randy G. Erickson, who on oath says that he is director of the Advertising Department of the Key West Citizen, a daily newspaper published at Key West, in Monroe County Florida; that the attached copy of advertisement, being a legal notice in the matter of

Notice of Intent to Issue Air Construction Permit
Permit No. 0870047-002-AC

In the _____ Court, was published in said newspaper in the issues of
Nov. 9, 1998

Affiant further says that The Key West Citizen is a newspaper published in Key West, in said Monroe County, Florida, and that the said newspaper has heretofore been continuously published in said Monroe County, Florida each day (except Saturdays) and has been entered as second-class mail matter at the post office in Key West, in said Monroe County, Florida, for a period of 1 year next preceding the first publication of the attached copy of advertisement; and affiant further says that he 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.



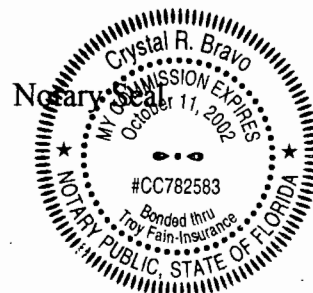
Signature of Affiant

Sworn and subscribed before me this 12th day of November, 1998.



Signature of Notary Public

Expires Oct. 11, 2002
Personally Known Produced Identification _____
Type of Identification Produced _____



**PUBLIC NOTICE OF INTENT TO
ISSUE AIR CONSTRUCTION
PERMIT**

**STATE OF FLORIDA
DEPARTMENT OF ENVIRON-
MENT/ PROTECTION**

Draft Permit No. 0870047-002-AC
The City of Key West, Southern-
most Waste to Energy Facility
Monroe County

The Department of Environmen-
tal Protection (Department) gives
notice of its intent to issue an air
construction permit to The City of
Key West for the Southernmost
Waste to Energy Facility located
at 5701 W. Junior College Road,
Key West, Monroe County. A Best
Available Control Technology
(BACT) determination was not re-
quired pursuant to Rule 62-
212.400, F.A.C. and 40 CFR
52.21, Prevention of Significant
Deterioration (PSD). The appli-
cant's name and address are The
City of Key West, Southernmost
Waste to Energy Facility, 5701 W.
Junior College Road, Key West,
Florida 33040.

This Permit will allow the appli-
cant to use a manual method of
soot blowing and discontinue us-
ing the originally installed contin-
uous steam soot blowers.

Air quality impact analysis was
not conducted. Emissions from
the facility will not consume PSD
increment and will not signifi-
cantly contribute to or cause a vi-
olation of any state or federal am-
bient air quality standards.

The Department will issue the fi-
nal permit with the attached con-
ditions unless a response re-
ceived in accordance with the fol-
lowing procedures results in a dif-
ferent decision or significant
change of terms or conditions.

The Department will accept writ-
ten comments concerning the
proposed permit issuance action
for a period of 14 (fourteen) days
from the date of publication of
"Public Notice of Intent to Issue
Air Construction Permit." Written
comments should be provided to
the Department's Bureau of Air
Regulation at 2600 Blair Stone
Road, Mail Station #5505, Talla-
hassee, FL 32399-2400. Any
Written comments filed shall be
made available for public inspec-
tion. If written comments received
result in a significant change in
the proposed agency action, the
Department shall revise the pro-
posed permit and require, if appli-
cable, another Public Notice.

The Department will issue the
permit with the attached condi-
tions unless a timely petition for
an administrative hearing is filed
pursuant to sections 120.569 and
120.57 F.S., before the deadline
for filing a petition. The proce-
dures for petitioning for a hearing
are set forth below.

A person whose substantial inter-
est are affected by the proposed
permitting decision may petition
for and administrative proceeding
(hearing) under sections 120.659
and 120.57 of the Florida Statu-
tes. The petition must contain the
information set forth below
and must be filed (received) in
the Office of General Counsel of
the Department at 3900 Com-
monwealth Boulevard, Mail Sta-
tion #35, Tallahassee, Florida
32399-3000. Petition filed by the

permit applicant or any of the par-
ties listed below must be filed
within fourteen days of receipt of
this notice of intent. Petitions filed
by any persons other than those
entitled to written notice under
section 120.60(3) of the Florida
Statutes must be filed with four-
teen days of publication of the
public notice or within fourteen
days of receipt of this notice of in-
tent, whichever occurs first. Under
section 120.60(3), however,
any person who asked the De-
partment for notice of agency ac-
tion may file a petition within four-
teen days of receipt of that notice,
regardless of the date of publica-
tion. A petitioner shall mail a copy
of the petition of the applicant at
the address indicated above at the
time of filing. The failure of
any person to file a petition within
the appropriate time period shall
constitute a waiver of that per-
son's right to request an adminis-
trative determination (hearing)
under sections 120.569 and
120.57 F.S., or to intervene in this
proceeding and participate as a
party to it. Any subsequent inter-
vention will be only at the ap-
proval of the presiding officer
upon the filing of a motion in com-
pliance with Rule 28-106.205 of
the Florida Administrative Code.

A petition that disputes the mate-
rial facts on which the Depart-
ment's action is based must con-
tain the following information: (a)
The name and address of each
agency affected and each agency's
file or identification number, if

known; (b) The name, address
and telephone number of the peti-
tioner, the name address and
telephone number of the petiti-
oner's representative, if any, which
shall be the address for service;
purposes during the course of the
proceeding; and explanation of
how the petitioner's substantial
interest will be affected by the
agency determination; (c) A state-
ment of how and when petitioner
received notice of the agency ac-
tion or proposed action; (d) A
statement of all disputed issues of
material fact. If there are none the
petition must so indicate; (e) A
concise statement of the ultimate
facts alleged, as well as the rules
and statutes which entitle the pe-
titioner to relief; and (f) A demand
for relief.

A petition that does not dispute
the material facts upon which the
Department's action is based
shall state that no such facts are
in dispute and otherwise shall
contain the same information as
set forth above, as required by
rule 28-106.301.

Because the administrative hear-
ing process is designed to formu-
late final agency action, the filing
of a petition means that the De-
partment's final action may be dif-
ferent from the position taken by it
in this notice. Persons whose
substantial interests will be af-
fected by any such final decision
of the Department on the applica-
tion have the right to petition to
become a party of the proceed-
ing, in accordance with the re-
quirements set forth above.

Mediation is not available in this
proceeding.

A complete project file is available
for public inspection during nor-
mal business hours, 8:00 a.m. to
5:00 p.m., Monday through Fri-
day, except legal holidays, at:
Department of Environmental
protection, Bureau of Air Regula-
tion, 111 S. Magnolia Drive, Suite
4, Tallahassee, Florida, 32301,
Telephone 850-488-0114, Fax
850-922-6979.

Department of Environmental
Protection, South District Office,
2295 Victoria Avenue, Suite 364,
Fort Myers, Florida 33901, Tele-
phone 941-332-6975, Fax 941-
332-6969.

The complete project file includes
the application, technical evalua-
tions, Draft Permit, and the infor-
mation submitted by the responsi-
ble official, exclusive of confiden-
tial records under Section
403.111, F.S. Interested persons
may contact the Administrator,
New Resource Review Section at

111 South Magnolia Drive, Suite
4, Tallahassee, Florida 32301, or
call 850-488-0114, for additional
information.

November 9th, 1998.



Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

October 26, 1998

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. E. David Fernandez
The City of Key West
Southernmost Waste to Energy Facility
5701 W. Junior College Road
Key West, Florida 33040

Re: Draft Permit No. 0870047-002-AC
Southernmost Waste to Energy Facility


Dear Mr. Fernandez:

Enclosed is one copy of the Draft Air Construction Permit for the modification of its soot blowing procedure for The City of Key West, Southernmost Waste to Energy Facility located at 5701 W. Junior College Road, Key West, Monroe County. The Technical Evaluation, the Department's Intent to Issue Air Construction Permit and the "Public Notice of Intent to Issue Air Construction Permit" are also included.

The "Public Notice of Intent to Issue Air Construction Permit" must be published one time only, as soon as possible, in the legal advertisement section of a newspaper of general circulation in the area affected, pursuant to the requirements Chapter 50, Florida Statutes. Proof of publication, i.e., newspaper affidavit, must be provided to the Department's Bureau of Air Regulation office within seven (7) days of publication. Failure to publish the notice and provide proof of publication may result in the denial of the permit.

Please submit any written comments you wish to have considered concerning the Department's proposed action to A. A. Linero, P.E., Administrator, New Source Review Section at the above letterhead address. If you have any other questions, please contact Joseph Kahn, P.E. or Mr. Linero at 850/488-0114.

Sincerely,


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

CHF/jk

Enclosures

In the Matter of an
Application for Permit by:

The City of Key West
5701 W. Junior College Road
Key West, Florida 33040

Draft Permit No. 0870047-002-AC
Southernmost Waste to Energy Facility
Monroe County

INTENT TO ISSUE AIR CONSTRUCTION PERMIT

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit (copy of Draft Permit attached) for the proposed project, detailed in the application specified above and the attached Technical Evaluation, for the reasons stated below.

The applicant, The City of Key West, Southernmost Waste to Energy Facility, applied on September 4, 1998, to the Department for an air construction permit for the modification of its soot blowing procedure. The facility is located at 5701 W. Junior College Road, Key West, Monroe County. The Draft permit will allow the applicant to use a manual method of soot blowing and discontinue using the originally installed continuous steam soot blowers.

The Department has permitting jurisdiction under the provisions of Chapter 403, Florida Statutes (F.S.), and Florida Administrative Code (F.A.C.) Chapters 62-4, 62-210, and 62-212. The above actions are not exempt from permitting procedures.

The Department intends to issue this air construction permit based on the belief that reasonable assurances have been provided to indicate that operation of these emission units will not adversely impact air quality, and the emission units will comply with all appropriate provisions of Chapters 62-4, 62-204, 62-210, 62-212, 62-296, and 62-297, F.A.C.

Pursuant to Section 403.815, F.S., and Rule 62-110.106(7)(a)1., F.A.C., you (the applicant) are required to publish at your own expense the enclosed "Public Notice of Intent to Issue Air Construction Permit." The notice shall be published one time only in the legal advertisement section of a newspaper of general circulation in the area affected. Rule 62-110.106(7)(b), F.A.C., requires that the applicant cause the notice to be published as soon as possible after notification by the Department of its intended action. For the purpose of these rules, "publication in a newspaper of general circulation in the area affected" means publication in a newspaper meeting the requirements of Sections 50.011 and 50.031, F.S., in the county where the activity is to take place. 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 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). You must provide proof of publication within seven days of publication, pursuant to Rule 62-110.106(5), F.A.C. 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. Failure to publish the notice and provide proof of publication may result in the denial of the permit pursuant to Rules 62-110.106(9) & (11), F.A.C.

The Department will issue the final permit with the attached conditions unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed permit issuance action for a period of fourteen days from the date of publication of "Public Notice of Intent to Issue Air Permit." Written comments should be provided to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, FL 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to sections 120.569 and 120.57 F.S., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the 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 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner, the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of how and when petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and (f) A demand for relief.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by Rule 28-106.301.

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that 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 such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available in this proceeding.

In addition to the above, a person subject to regulation has a right to apply for a variance from or waiver of the requirements of particular rules, on certain conditions, under Section 120.542 F.S. The relief provided by this state statute applies only to state rules, not statutes, and not to any federal regulatory requirements. Applying for a variance or waiver does not substitute or extend the time for filing a petition for an administrative hearing or exercising any other right that a person may have in relation to the action proposed in this notice of intent.


The application for a variance or waiver is made by filing a petition with the Office of General Counsel of the Department, 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida 32399-3000. The petition must specify the following information: (a) The name, address, and telephone number of the petitioner; (b) The name, address, and telephone number of the attorney or qualified representative of the petitioner, if any; (c) Each rule or portion of a rule from which a variance or waiver is requested; (d) The citation to the statute underlying (implemented by) the rule identified in (c) above; (e) The type of action requested; (f) The specific facts that would justify a variance or waiver for the petitioner; (g) The reason why the variance or waiver would serve the purposes of the underlying statute (implemented by the rule); and (h) A statement whether the variance or waiver is permanent or temporary and, if temporary, a statement of the dates showing the duration of the variance or waiver requested.

The Department will grant a variance or waiver when the petition demonstrates both that the application of the rule would create a substantial hardship or violate principles of fairness, as each of those terms is defined in Section

120.542(2) F.S., and that the purpose of the underlying statute will be or has been achieved by other means by the petitioner.

Persons subject to regulation pursuant to any federally delegated or approved air program should be aware that Florida is specifically not authorized to issue variances or waivers from any requirements of any such federally delegated or approved program. The requirements of the program remain fully enforceable by the Administrator of the EPA and by any person under the Clean Air Act unless and until the Administrator separately approves any variance or waiver in accordance with the procedures of the federal program.

Executed in Tallahassee, Florida.


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


CERTIFICATE OF SERVICE

The undersigned duly designated deputy agency clerk hereby certifies that this INTENT TO ISSUE AIR CONSTRUCTION PERMIT (including the PUBLIC NOTICE, Technical Evaluation, and the Draft permit) was sent by certified mail (*) and copies were mailed by U.S. Mail before the close of business on 10-28-98 to the person(s) listed:

Mr. E. David Fernandez, SWTE *
Mr. David Knowles, South District
Mr. Jim Edds, South District, Marathon

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.


(Clerk) 10-28-98
(Date)

**NOTICE TO BE PUBLISHED
IN THE NEWSPAPER**

PUBLIC NOTICE OF INTENT TO ISSUE AIR CONSTRUCTION PERMIT

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

Draft Permit No. 0870047-002-AC
The City of Key West, Southernmost Waste to Energy Facility
Monroe County

The Department of Environmental Protection (Department) gives notice of its intent to issue an air construction permit to The City of Key West for the Southernmost Waste to Energy Facility located at 5701 W. Junior College Road, Key West, Monroe County. A Best Available Control Technology (BACT) determination was not required pursuant to Rule 62-212.400, F.A.C. and 40 CFR 52.21, Prevention of Significant Deterioration (PSD). The applicant's name and address are: The City of Key West, Southernmost Waste to Energy Facility, 5701 W. Junior College Road, Key West, Florida 33040.

This permit will allow the applicant to use a manual method of soot blowing and discontinue using the originally installed continuous steam soot blowers.

An air quality impact analysis was not conducted. Emissions from the facility will not consume PSD increment and will not significantly contribute to or cause a violation of any state or federal ambient air quality standards.

The Department will issue the final permit with the attached conditions unless a response received in accordance with the following procedures results in a different decision or significant change of terms or conditions.

The Department will accept written comments concerning the proposed permit issuance action for a period of 14 (fourteen) days from the date of publication of "Public Notice of Intent to Issue Air Construction Permit." Written comments should be provided to the Department's Bureau of Air Regulation at 2600 Blair Stone Road, Mail Station #5505, Tallahassee, FL 32399-2400. Any written comments filed shall be made available for public inspection. If written comments received result in a significant change in the proposed agency action, the Department shall revise the proposed permit and require, if applicable, another Public Notice.

The Department will issue the permit with the attached conditions unless a timely petition for an administrative hearing is filed pursuant to sections 120.569 and 120.57 F.S., before the deadline for filing a petition. The procedures for petitioning for a hearing are set forth below.

A person whose substantial interests are affected by the proposed permitting decision may petition for an administrative proceeding (hearing) under sections 120.569 and 120.57 of the 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 3900 Commonwealth Boulevard, Mail Station #35, Tallahassee, Florida, 32399-3000. Petitions filed by the permit applicant or any of the parties listed below must be filed within fourteen days of receipt of this notice of intent. Petitions filed by any persons other than those entitled to written notice under section 120.60(3) of the Florida Statutes must be filed within fourteen days of publication of the public notice or within fourteen days of receipt of this notice of intent, whichever occurs first. Under section 120.60(3), however, any person who asked the Department for notice of agency action may file a petition within fourteen days of receipt of that notice, regardless of the

NOTICE TO BE PUBLISHED IN THE NEWSPAPER

date of publication. A petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. The failure of any person to file a petition within the appropriate time period shall constitute a waiver of that person's right to request an administrative determination (hearing) under sections 120.569 and 120.57 F.S., or to intervene in this proceeding and participate as a party to it. Any subsequent intervention will be only at the approval of the presiding officer upon the filing of a motion in compliance with Rule 28-106.205 of the Florida Administrative Code.

A petition that disputes the material facts on which the Department's action is based must contain the following information: (a) The name and address of each agency affected and each agency's file or identification number, if known; (b) The name, address, and telephone number of the petitioner, the name, address, and telephone number of the petitioner's representative, if any, which shall be the address for service purposes during the course of the proceeding; and an explanation of how the petitioner's substantial interests will be affected by the agency determination; (c) A statement of how and when petitioner received notice of the agency action or proposed action; (d) A statement of all disputed issues of material fact. If there are none, the petition must so indicate; (e) A concise statement of the ultimate facts alleged, as well as the rules and statutes which entitle the petitioner to relief; and (f) A demand for relief.

A petition that does not dispute the material facts upon which the Department's action is based shall state that no such facts are in dispute and otherwise shall contain the same information as set forth above, as required by rule 28-106.301

Because the administrative hearing process is designed to formulate final agency action, the filing of a petition means that 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 such final decision of the Department on the application have the right to petition to become a party to the proceeding, in accordance with the requirements set forth above.

Mediation is not available in this proceeding.

A complete project file 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:

Department of Environmental Protection
Bureau of Air Regulation
111 S. Magnolia Drive, Suite 4
Tallahassee, Florida, 32301
Telephone: 850/488-0114
Fax: 850/922-6979

Department of Environmental Protection
South District Office
2295 Victoria Avenue, Suite 364
Fort Myers, Florida 33901
Telephone: 941/332-6975
Fax: 941/332-6969

The complete project file includes the application, technical evaluations, Draft Permit, and the information submitted by the responsible official, exclusive of confidential records under Section 403.111, F.S. Interested persons may contact the Administrator, New Resource Review Section at 111 South Magnolia Drive, Suite 4, Tallahassee, Florida 32301, or call 850/488-0114, for additional information.

**Technical Evaluation
Southernmost Waste to Energy Facility
Issuance of 0870047-002-AC
The City of Key West
Key West, Monroe County**

PROJECT

The applicant, the City of Key West, has proposed a new manual method of soot blowing using compressed air and an air lance to replace its existing steam soot blowers. The facility is a resource recovery facility with two combustion units, with a design capacity of 6,250 lbs/hour of mixed municipal solid waste per unit, and is located at 5701 W. Junior College Road, Key West, Monroe County. Based on recent site visits, it is not likely that the change will result in an increase in visible emissions or related emissions of particulate matter.

BACKGROUND

The facility's past method of soot blowing using the installed continuous steam soot blowers has several problems, as described by the applicant. The facility produces saturated steam, which when used for soot blowing, would condense easily in the boiler and cause the ash to harden and stick to the boiler tubes. This ash would clog the generating section of the boiler. Also, the lances on the fixed soot blowers did not have an acceptable longevity because the lance ends would burn off. The steam lances damaged the boiler tubes, which in turn caused tube failures. The chain driven rotary failed frequently, causing the rotary to stick open and endanger the steam supply to the turbine. Using steam for soot blowing caused the boiler water levels and temperature to cycle unacceptably. Ultimately, the facility ceased to use the steam soot blowing system and installed ports to provide access to the heat exchange surfaces via a manual air lance. Shortly afterwards, the applicant received a letter from the Department's South District dated May 2, 1997, requesting the discontinuation of the manual method of soot blowing and requiring usage of the originally installed continuous steam soot blowers. Rather than return to the previously unacceptable means of soot blowing with the steam system, the applicant resorted to manually removing the ash residue from the heat exchange surfaces during frequent (monthly) scheduled boiler outages.

The proposed manual soot blowing system uses dry air at 120 psi. Compressed air is introduced into the heat exchange area of the boiler using an air lance that is manually inserted through new soot ports which are positioned for every other row of the boiler tubes. Per the applicant, benefits of this system are that it allows for more efficient cleaning with fewer scheduled outages; the maintenance is low because of simplicity of the system; the new system does not affect the temperatures or water levels of the units, so the units do not have cycling problems; and the reduction of tube problems will save the facility time, labor and money.

VISIBLE EMISSIONS

The Department concluded that visible emissions are not likely to increase after two site visits, on May 5 and July 8, 1998. No visible emissions were seen after viewing the manual method of soot blowing at these site visits. Jim Edds, a certified VE reader, viewed the procedure on July 8, 1998.

**Technical Evaluation
Southernmost Waste to Energy Facility
The City of Key West**

RULE BASIS AND CONCLUSION

Since there is no expected increase in visible emissions, and similarly no expected increase in particulate emissions, the modification is not subject to review for the Prevention of Significant Deterioration (PSD) and a determination of Best Available Control Technology (BACT) is not required in accordance with Rule 62-212.400, F.A.C. With no expected increase in emissions, this change may not actually constitute a modification pursuant to Rule 62-210.200(188), F.A.C. However, this change is a change in the method of operation of the units, and rather than requiring the applicant to demonstrate that no permitting action was required for this change by preparing an extensive evaluation of past actual and future potential emissions, the Department required a construction permit for this action pursuant to Rule 62-210.300(1), F.A.C. The permit will effectively modify the existing operation permits by adding a permit condition through this permitting action that will explicitly allow the facility to use the manual method of soot blowing with compressed air instead of automatically soot blowing with steam. This is the complete extent of this permitting action. The basis for this condition is Rule 62-4.070(3), F.A.C., in that the Department has reasonable assurance that this method of soot blowing will not result in air quality violations, or increased visible emissions or related increased emissions of particulate matter.

DATE

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. E. David Fernandez
Utilities Director
The City of Key West
Southernmost Waste to Energy Facility
5701 W. Junior College Road
Key West, Florida 33040

Re: DEP File No. 0870047-002-AC
Soot Blowing Modification

Dear Mr. Fernandez:

The Department reviewed your request to allow manual soot blowing in Units 1 and 2, municipal solid waste combustors, as described in the application received on September 4, 1998. The Department's analysis was discussed in the technical evaluation distributed with the Intent to Issue Air Construction Permit Modification. The existing operation permits numbered AO44-207778 and AO44-207781 are hereby modified by this construction permit as follows:

NEW SPECIFIC CONDITION

The permittee may manually soot blow with compressed air in each of the external boiler soot ports in lieu of automatically soot blowing with steam. The permittee shall maintain at the facility a copy of the current procedure for manually soot blowing. [Rule 62-4.070(3), F.A.C.]

This permit modification is issued pursuant to Chapter 403, Florida Statutes. Any party to this order (permit modification) has the right to seek judicial review of the permit pursuant to Section 120.68, F.S., by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the Clerk of the Department in the Legal Office; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 (thirty) days from the date this Notice is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

Howard L. Rhodes, Director
Division of Air Resources
Management

Mr. E. David Fernandez
DEP File No. 0870047-002-AC
DATE
Page 2 of 2

CERTIFICATE OF SERVICE

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

Mr. E. David Fernandez, SWTE *
Mr. David Knowles, South District
Mr. Jim Edds, South District, Marathon

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.

(Clerk) (Date)

DRAFT



Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

P.E. Certification Statement

The City of Key West
Southernmost Waste to Energy Facility

DRAFT Permit No.: 0870047-002-AC
Facility ID No.: 0870047

Project type: Draft Air Construction Permit

I HEREBY CERTIFY that the engineering features described in the above referenced application and related additional information submittals, if any, and subject to the proposed permit conditions, provide reasonable assurance of compliance with applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 62-4 and 62-204 through 62-297. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including but not limited to the electrical, mechanical, structural, hydrological, and geological features).

This review was conducted by Susan DeVore-Fillmore under my responsible supervision.



Permitting Authority:
Florida Department of Environmental Protection
Division of Air Resources Management
Bureau of Air Regulation
New Source Review Section
Mail Station #5505
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Telephone: 850/488-0114
Fax: 850/922-6979

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

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. E. David Fernandez
 The City of Key West
 Southernmost West to E.F.
 5701 W Jr. College Rd.
 Key West, FL 33040

4a. Article Number

2 333 612 489

4b. Service Type

- Registered Certified
- Express Mail Insured
- Return Receipt for Merchandise COD

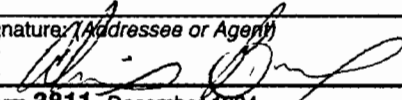
7. Date of Delivery

10/30/94

5. Received By: (Print Name)

6. Signature (Addressee or Agent)

X



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

PS Form 3811, December 1994

102595-97-B-0179

Domestic Return Receipt

Thank you for using Return Receipt Service.

2 333 612 489

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

Sent to David Fernandez
 Street & Number City of Key West
 Post Office, State, & ZIP Code Southernmost
 Postage Key West, FL
 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 10-28-98
 0870047-002-AC

PS Form 3800, April 1995



THE CITY OF KEY WEST

P. O. BOX 1409
KEY WEST, FLORIDA 33040-1409

August 24, 1998

RECEIVED

SEP 04 1998

**BUREAU OF
AIR REGULATION**

Mr. Joe Cahn
Department Environment Protection
Division of Air Resource management
Bureau of Air Regulation Title V 2600
Blair Stone Road
Tallahassee, Florida 32399-2400

RE: Soot Blowing Modification

Using steam the original soot blowing system caused major problems with our equipment. The loose ash was converted to a solid state which jammed our rotaries and the steam damaged our tubes.

PROBLEMS:

1. The steam had high moisture content, which caused the ash to harden and stick to the tubes, making it harder to clean the generating section.
2. The lances on the fixed soot blowers did not last as the ends were constantly burning off.
3. The steam lances did damage to the tubes, which caused tube failures.
4. The I.K. steam lance cut the screen tubes.
5. The chain driven rotary would always come off and the rotary would stick open endangering our steam supply to the turbine. There was a need to constantly make adjustments to maintain the correct pressure.
6. The labor, parts and time to maintain the system was very expensive.
7. Using steam caused the boiler water levels and temperatures to cycle.
8. The units plugged up faster and required longer down time to clean the ash residue.

The new system is simple and solves many of the above problems.


ADVANTAGES:

1. New system uses dry air at the same pressure 120 psi.
2. The soot ports are positioned for every other row which allows for more efficient cleaning.
3. The units stay up longer without plumage.

Key to the Caribbean - Average yearly temperature 77° F.

4. Maintenance is low because of the simplicity of the system.
5. The new system does not effect the temperatures or water levels of the units, so the units do not have the cycling problems.
6. Fewer tube problems will save the facility time, labor and money.

Sincerely

A handwritten signature in cursive script that reads "E. David Fernandez". The signature is written in black ink and is positioned to the right of the typed name.

E. David Fernandez,
Utilities Director

cc: SD


 FLORIDA DEP LOGO

Department of Environmental Protection

DIVISION OF AIR RESOURCES MANAGEMENT

APPLICATION FOR AIR PERMIT - SHORT FORM

See Instructions for Form No. 62-210.900(2)

I. APPLICATION INFORMATION

This section of the Application for Air Permit form identifies the facility and provides general information on the scope of this application and the purpose for which this application is being submitted. This section also includes information on the owner or authorized representative of the facility and the necessary statements for the applicant and professional engineer, where required, to sign and date for formal submittal of the Application for Air Permit to the Department. If the application form is submitted to the Department using ELSA, this section of the Application for Air Permit must also be submitted in hard-copy.

Identification of Facility Addressed in This Application

Enter the name of the corporation, business, governmental entity, or individual that has ownership or control of the facility; the facility site name, if any; and the facility's physical location. If known, also enter the facility identification number.

1. Facility Owner/Company Name: City of Key West	
2. Site Name: Southern Most Waste to Energy Facility	
3. Facility Identification Number: [] Unknown 0870047	
4. Facility Location: 5701 W. Junior College Rd. Street Address or Other Locator: City: Key West County: Monroe Zip Code: 33040	
5. Relocatable Facility? [] Yes [X] No	6. Existing Permitted Facility? [X] Yes [] No

Application Processing Information (DEP Use)

1. Date of Receipt of Application:	04-SEP-1998
2. Permit Number:	0870047-002-4C

Owner/Authorized Representative

1. Name and Title of Owner/Authorized Representative:	
The City of Key West / E. David Fernandez	
2. Owner/Authorized Representative Mailing Address:	
<p>Organization/Firm: Southern Most Waste to Energy Facility Street Address: 5701 W. Junior College Rd. City: Key West State: Florida Zip Code: 33040</p>	
3. Owner/Authorized Representative Telephone Numbers:	
<p>Telephone: (305) 294-6409 Fax: (305) 293-6415</p>	
4. Owner/Authorized Representative Statement:	
<p><i>I, the undersigned, am the owner or authorized representative* of the facility addressed in this Application for Air Permit. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. Further, I agree to operate and maintain the air pollutant emissions units and air pollution control equipment described in this application so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. I understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions unit.</i></p>	
<p><u>E David Fernandez</u> Signature</p>	<p><u>8-24-98</u> Date</p>

* Attach letter of authorization if not currently on file.

Scope of Application

This Application for Air Permit addresses the following emissions unit(s) at the facility. An Emissions Unit Information Section (a Section III of the form) must be included for each emissions unit listed.

Emissions Unit ID	Description of Emissions Unit	Permit Type
001	Municipal Solid Waste Combustor, Resource Recovery	AF2A
002	Municipal Solid Waste Combustor, Resource Recovery	AF2A

Purpose of Application

This Application for Air Permit is submitted to obtain (check one):

- Initial air operation permit for one or more existing, but previously unpermitted, emissions units.
- Initial air operation permit for one or more newly constructed or modified emissions units.

Current construction permit number: _____

- Air operation permit revision to address one or more newly constructed or modified emissions units.

Current construction permit number: _____

Operation permit to be revised: **AO44207781 (Unit 1)**
AO44207778 (Unit 2)

- Air operation permit renewal.

Operation permit to be renewed: _____

Application Processing Fee

Check one:

Attached - Amount: \$ 250.00

Not Applicable.

Construction/Modification Information

1. Description of Alterations: **The additional soot port holes were already in place on the inboard side of furnace #1 & #2, but unauthorized to use without approval from F.D.E.P. which we have now received. The following procedure was tentatively F.D.E.P. approved and implemented on July 8, 1998 and is attached for your review.**

2. Date of Commencement of Construction:

Professional Engineer Certification

1. Professional Engineer Name: **Rolland Flowers**

Registration Number: **47644**

2. Professional Engineer Mailing Address:

Organization/Firm: **City of Key West**

Street Address: **P.O. Box 1409**

City: **Key West**

State: **Florida**

Zip Code: **33041-1409**

3. Professional Engineer Telephone Numbers:

Telephone: **(305) 292 - 8195**

Fax: **(305) 292 - 8278**

4. Professional Engineer Statement:

I, the undersigned, hereby certify, except as particularly noted herein, that:*

(1) To the best of my knowledge, there is reasonable assurance that the air pollutant emissions unit(s) and the air pollution control equipment described in this Application for Air Permit, when properly operated and maintained, will comply with all applicable standards for control of air pollutant emissions found in the Florida Statutes and rules of the Department of Environmental Protection; and

(2) To the best of my knowledge, any emission estimates reported or relied on in this application are true, accurate, and complete and are either based upon reasonable techniques available for calculating emissions or, for emission estimates of hazardous air pollutants not regulated for an emissions unit addressed in this application, based solely upon the materials, information and calculations submitted with this application.

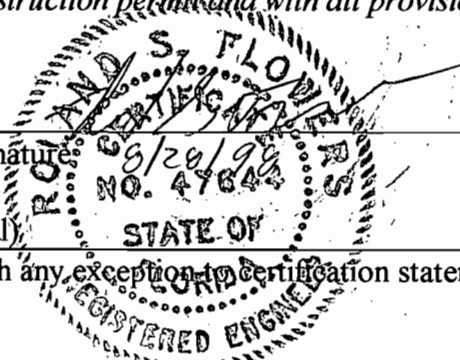
If the purpose of this application is to obtain an initial air operation permit or operation permit revision for one or more newly constructed or modified emissions units (check here [] if so), I further certify that, with the exception of any changes detailed as part of this application, each such emissions unit has been constructed or modified in substantial accordance with the information given in the corresponding application for air construction permit and with all provisions contained in such permit.

Signature _____

Date _____

8/28/98

(seal)



* Attach any exception to certification statement.

Application Contact

1. Name and Title of Application Contact: **E. David Fernandez, Utilities Director**

2. Application Contact Mailing Address:

Organization/Firm: **Southern Most Waste to Energy Facility**

Street Address: **5701 W. Junior College Rd.**

City: **Key West**

State: **Florida**

Zip Code: **33040**

3. Application Contact Telephone Numbers:

Telephone: **(305) 293 - 6409**

Fax: **(305) 293 - 6415**

Application Comment

[Empty box for Application Comment]

Facility Regulatory Classifications

1. Small Business Stationary Source? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Unknown
2. Title V Source? <input type="checkbox"/> No
3. Synthetic Non-Title V Source by Virtue of Previous Air Construction Permit? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Construction Permit Number/Issue Date: _____
4. One or More Emission Units Subject to NSPS? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
5. Facility Regulatory Classifications Comment (limit to 200 characters)

B. FACILITY SUPPLEMENTAL INFORMATION

This subsection of the Application for Air Permit form provides supplemental information related to the facility as a whole. (Supplemental information related to individual emissions units within the facility is provided in Subsection III-B of the form.) Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

Supplemental Requirements for All Applications

1. Area Map Showing Facility Location: <input checked="" type="checkbox"/> Attached, Document ID: Figure #1 <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
2. Facility Plot Plan: <input checked="" type="checkbox"/> Attached, Document ID: Figure #2 <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
3. Process Flow Diagram(s): <input checked="" type="checkbox"/> Attached, Document ID: Figure #3 <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested
4. Precautions to Prevent Emissions of Unconfined Particulate Matter: <input checked="" type="checkbox"/> Attached, Document ID: Att#1.Doc. <input type="checkbox"/> Not Applicable <input type="checkbox"/> Waiver Requested

Emissions Unit Information Section 1 of 4**III. EMISSIONS UNIT INFORMATION**

A separate Emissions Unit Information Section (including subsections A and B) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION**Type of Emissions Unit Addressed in This Section**

Check one:

- This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).
- This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.
- This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Municipal Solid Waste Combustor – Unit #1	
2. Emissions Unit Identification Number: <input type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown 001	
3. Emissions Unit Status Code: A	4. Emissions Unit Major Group SIC Code: 49
5. Emissions Unit Comment (limit to 500 characters):	

Emissions Unit Information Section 2 of 4

Emissions Unit Control Equipment

A.

1. Description (limit to 200 characters): Electrostatic Precipitator – High Efficiency
2. Control Device or Method Code: 010

B.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

C.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

Emissions Unit Information Section 3 of 4**Emissions Unit Details**

1. Initial Startup Date: January 13, 1987		
2. Long-term Reserve Shutdown Date: N/A		
3. Package Unit: N/A		
Manufacturer:		Model Number:
4. Generator Nameplate Rating:	3.5	MW
5. Incinerator Information:		
	Dwell Temperature: 1650	°F
	Dwell Time: 1	seconds
	Incinerator Afterburner Temperature: N/A	°F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate:		mmBtu/hr
2. Maximum Incineration Rate:	6250 lb/hr	75 tons/day
3. Maximum Process or Throughput Rate:	6250	
4. Maximum Production Rate:	N/A	
5. Operating Capacity Comment (limit to 200 characters):		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:		
	24 hours/day	7 days/week
	52 weeks/year	8760 hours/year

Emissions Unit Information Section 1 of 4**III. EMISSIONS UNIT INFORMATION**

A separate Emissions Unit Information Section (including subsections A and B) must be completed for each emissions unit addressed in this Application for Air Permit. If submitting the application form in hard copy, indicate, in the space provided at the top of each page, the number of this Emissions Unit Information Section and the total number of Emissions Unit Information Sections submitted as part of this application.

A. GENERAL EMISSIONS UNIT INFORMATION**Type of Emissions Unit Addressed in This Section**

Check one:

- This Emissions Unit Information Section addresses, as a single emissions unit, a single process or production unit, or activity, which produces one or more air pollutants and which has at least one definable emission point (stack or vent).
- This Emissions Unit Information Section addresses, as a single emissions unit, a collectively-regulated group of process or production units and activities which has at least one definable emission point (stack or vent) but may also produce fugitive emissions.
- This Emissions Unit Information Section addresses, as a single emissions unit, one or more process or production units and activities which produce fugitive emissions only.

Emissions Unit Description and Status

1. Description of Emissions Unit Addressed in This Section (limit to 60 characters): Municipal Solid Waste Combustor – Unit #2	
2. Emissions Unit Identification Number: <input type="checkbox"/> No Corresponding ID <input type="checkbox"/> Unknown 002	
3. Emissions Unit Status Code: A	4. Emissions Unit Major Group SIC Code: 49
5. Emissions Unit Comment (limit to 500 characters):	

Emissions Unit Information Section 2 of 4

Emissions Unit Control Equipment

A.

1. Description (limit to 200 characters): Electrostatic Precipitator – High Efficiency
2. Control Device or Method Code: 010

B.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

C.

1. Description (limit to 200 characters):
2. Control Device or Method Code:

Emissions Unit Information Section 3 of 4**Emissions Unit Details**

1. Initial Startup Date: January 13, 1987		
2. Long-term Reserve Shutdown Date: N/A		
3. Package Unit: N/A		
Manufacturer:		Model Number:
4. Generator Nameplate Rating:	3.5	MW
5. Incinerator Information:		
Dwell Temperature:	1650	°F
Dwell Time:	1	seconds
Incinerator Afterburner Temperature:	N/A	°F

Emissions Unit Operating Capacity

1. Maximum Heat Input Rate:		mmBtu/hr
2. Maximum Incineration Rate:	6250 lb/hr	75 tons/day
3. Maximum Process or Throughput Rate: 6250		
4. Maximum Production Rate: N/A		
5. Operating Capacity Comment (limit to 200 characters):		

Emissions Unit Operating Schedule

Requested Maximum Operating Schedule:		
24 hours/day		7 days/week
52 weeks/year		8760 hours/year

Emissions Unit Information Section 4 of 4**B. EMISSIONS UNIT SUPPLEMENTAL INFORMATION**

This subsection of the Application for Air Permit form provides supplemental information related to the emissions unit addressed in this Emissions Unit Information Section. Supplemental information must be submitted as an attachment to each copy of the form, in hard-copy or computer-readable form.

Supplemental Requirements for All Applications

1. Process Flow Diagram [X] Attached, Document ID: <u>Figure#4</u> [] Not Applicable [] Waiver Requested
2. Fuel Analysis or Specification [] Attached, Document ID: _____ [X] Not Applicable [] Waiver Requested
3. Detailed Description of Control Equipment [X] Attached, Document ID: <u>Att#7.Doc.</u> [] Not Applicable [] Waiver Requested
4. Description of Stack Sampling Facilities [X] Attached, Document ID: <u>Att#8.Doc.</u> [] Not Applicable [] Waiver Requested
5. Compliance Test Report [] Attached, Document ID: _____ [X] Previously submitted, Date: _____ [] Not Applicable
6. Procedures for Startup and Shutdown [X] Attached, Document ID: <u>Att#10.Doc.</u> [] Not Applicable
7. Operation and Maintenance Plan [X] Attached, Document ID: <u>Att#11.Doc.</u> [] Not Applicable
8. Other Information Required by Rule or Statute [] Attached, Document ID: _____ [X] Not Applicable

BASEMAP SOURCE: USGS "KEY WEST, FLA." & "BOCA CHICA KEY, FLA." 7.5 MINUTE QUADRANGLE - 1971, PHOTO DATE 4/4/1970.

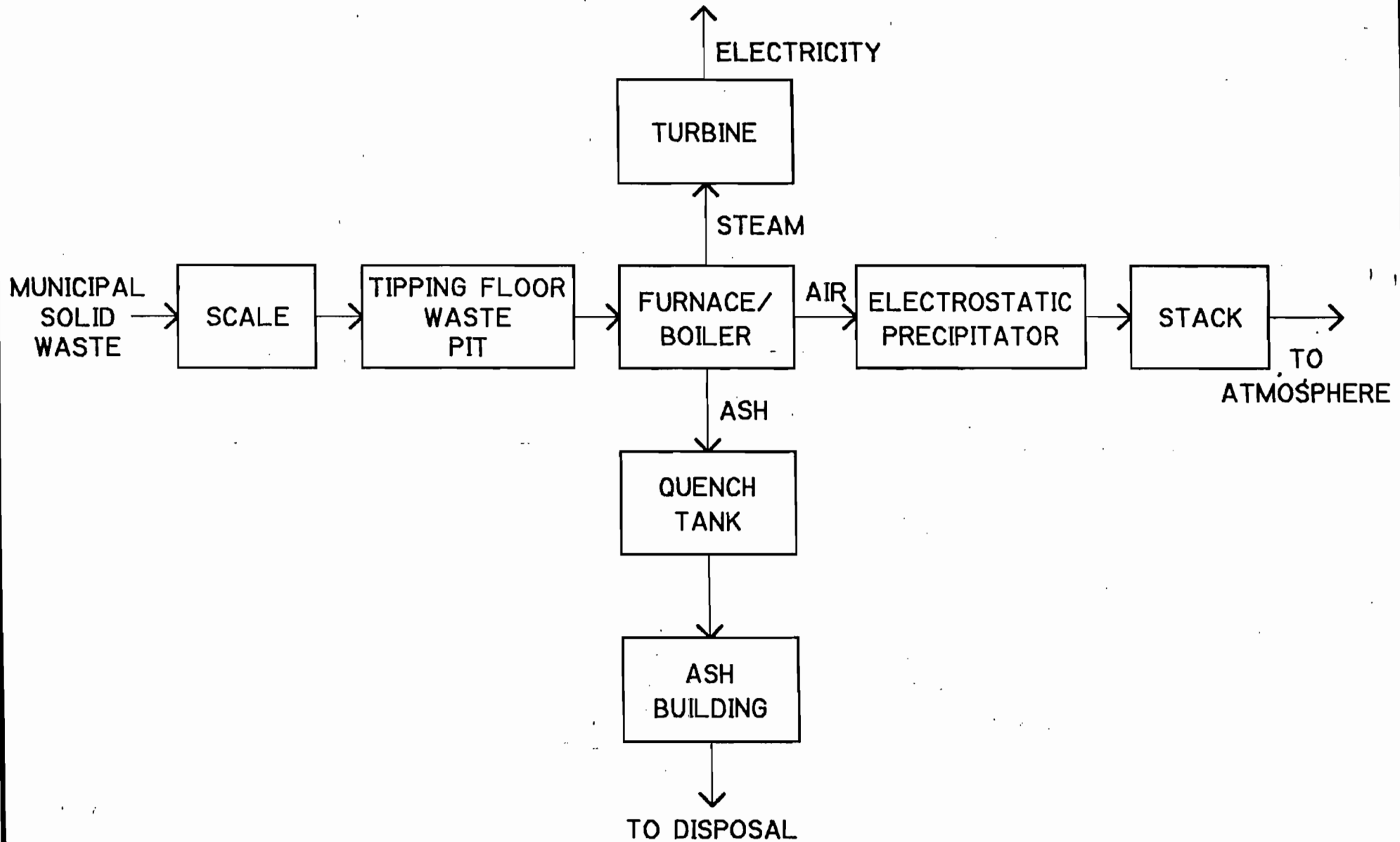


CITY OF KEY WEST, FLORIDA

FACILITY LOCATION MAP

CDM
 environmental engineers, scientists,
 planners, & management consultants

Figure No. 1

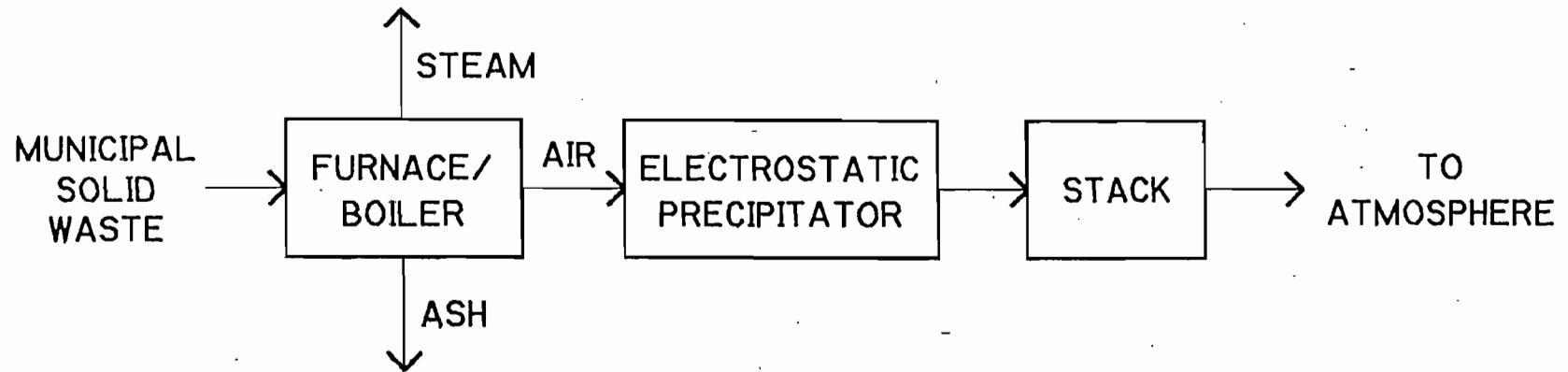


CITY OF KEY WEST
PROCESS FLOW DIAGRAM

SOUTHERNMOST WASTE TO ENERGY

SOOT BLOWING PROCEDURE

- 1. Notify operator, before starting, and receive permission to begin.**
- 2. Verify that both air compressors are in service.**
- 3. If both air compressors are not in service request that the operator turn them on using the proper procedure.**
- 4. Make sure all required personal protection safety equipment is used (back belt, safety glasses, gloves, dust mask, hard hat etc.).**
- 5. Inspect air hose and lances for damage or other problems.**
- 6. Slowly pressurize the air hose and check that the fittings are not leaking, also that they are wired together for safety.**
- 7. Report any problems to your supervisor so he can see that it gets fixed.**
- 8. No more than six ports should be open at any given time during this procedure.**
- 9. Start with the bottom row.**
- 10. Open the first few ports on the bottom section closest to the pit and work toward the stack.**
- 11. Place the air lance in the port before turning air on to prevent ash blow out.**
- 12. While moving lance in and out, it should be rotated back and forth as well as moved up and down in order to loosen up and clear out as much ash as possible.**
- 13. Each port should require at least 2 minutes to clean it properly.**
- 14. As each port is completed it should be closed, making sure that the arms of the cam-lock are pushed all the way to the locked position, before other ports are opened.**
- 15. This procedure should be repeated across the entire bottom row of ports.**
- 16. To set up for doing the top row, get the stairway from the sight glass station and bring it over to the soot blowing area, taking care to keep the hose and lance out of the way. Face the steps toward the stack for easy access to the ports.**
- 17. Position the stairs to allow unencumbered access to the first set of ports.**
- 18. Again, open first set of ports on the top section closest to the pit and work your way toward the stack, following the procedures outlined in steps 11 through 15, taking special care while working up on the stairs.**
- 19. This should be done all the way across the top row of ports.**
- 20. Upon completion of the top row move to the mud drum deck, where there are two ports on either side of the mud drum to be air lanced.**
- 21. Starting with the outside port, remove the cap and place the end of the lance inside the port about 10 inches.**
- 22. Turn the air supply for the outside lance on slowly checking for leaks.**



CITY OF KEY WEST
PROCESS FLOW DIAGRAM

ATTACHMENT 1

PRECAUTIONS TO PREVENT EMISSIONS OF UNCONFINED PARTICULATE MATTER

The following activities at the Southernmost Waste to Energy Facility (SWTE) have the potential to emit unconfined particulate matter:

- municipal solid waste (MSW) handling
- ash handling

Precautions to prevent emissions of unconfined particulate matter are described below:

Municipal Solid Waste Handling

MSW handling activities which generate unconfined particulate matter include unloading garbage trucks, moving MSW from the tipping area into the waste pit and loading MSW into the furnace feed chute.

The waste pit and tipping area are enclosed which minimizes emission of unconfined particulate matter. Combustion air is drawn from the waste pit and tipping area. Thus, unconfined particulate matter in the waste pit and tipping area would be drawn into the furnace.

Ash Handling

Ash is removed from the quench tank and conveyed into a dump truck. The moisture in the ash prevents emission of unconfined particulate matter. The moist ash is then stored in the enclosed ash handling building. A front end loader is used to deposit the ash in a transfer truck. This activity is conducted in a covered loading bay adjacent to the ash building.

• ATTACHMENT 1 (continued)

Additional Precautions

Additional precautions to prevent emissions of unconfined particulate matter at the facility include:

- Roads, parking areas and yards are paved.
- A street sweeper is used to remove particulate matter from roads and other paved areas.
- The unpaved areas of the facility are maintained and either sodded, seeded or landscaped.

ATTACHMENT 7

DETAILED DESCRIPTION OF CONTROL EQUIPMENT

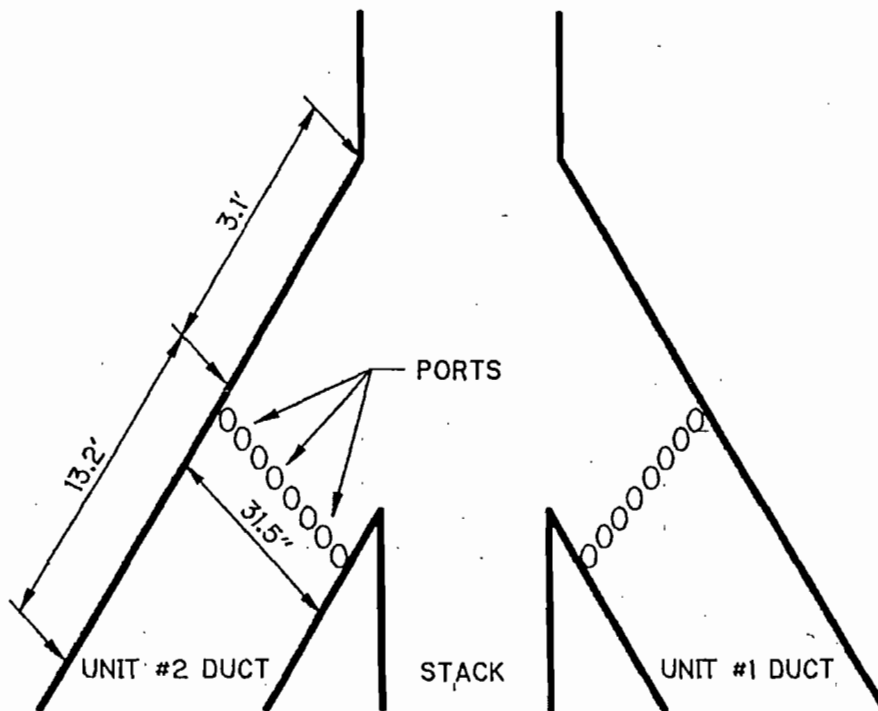
Control Device:	Electrostatic Precipitator
Manufacturer:	Belco Pollution Control Corporation
Model:	RE19
Primary Voltage:	480 Volts
Primary Current:	25 Amps
Secondary Voltage:	55 KVDC
Secondary Current:	150 MADC
Design Flow Rate:	23,000 ACFM
Control Efficiency:	97.7%

ATTACHMENT 8

DESCRIPTION OF STACK SAMPLING FACILITIES

The primary stack sampling facilities are shown on the attached drawing. These stack sampling facilities allow sampling of emissions for each train. Additional stack sampling facilities include:

- A walk around work platform and four, 8-inch stainless steel sample parts are also provided at the 95' level.
- Access is by means of an external ladder with Saf-t-Klimb rail. Safety slides and belts are kept in the control room.



ATTACHMENT 10

PROCEDURES FOR STARTUP AND SHUTDOWN

Excess emissions are possible during periods of startup or shutdown of the emission unit. General procedures to minimize emissions are provided below.

FUEL AND AIR

Fuel for light-off should be as homogenous as possible and is therefore segregated, pre-processed and thoroughly mixed. Yard waste, wet waste and non-combustibles are removed allowing for maximum distribution of the underfire air, but not great enough to cause fouling and particulate carry-over. The air flow must not be too great or too low, but enough for good combustion.

PRECIPITATOR AND ASH SYSTEM

The units are batch-fed until sufficient temperatures are reached for efficiently utilizing the precipitators. This ensures the removal of fly-ash from the emissions systems. The rotary airlocks are also put into service for the removal of regular ash from the system.

STOKER GRATES

The fires are kept small and sufficiently back in the unit until such time as the temperatures and pressure are sufficient for regular operating procedures. This requires that the stoker grates be manually operated during light-off.

ATTACHMENT 11

OPERATION AND MAINTENANCE PLAN

An Operation and Maintenance Manual is kept onsite. This document includes information on the facility's equipment and procedures for operating and maintaining the equipment. The Table of Contents is provided below.

<u>SECTION</u>	<u>DESCRIPTION</u>
1	Glossaries
2	Fundamentals
3	Instructions
4	Boilers & Economizers
5	Precipitators
6	Turbine/Generator
7	Cooling Tower
8	Cranes
9	Water Conditioning Equipment
10	Water Tests Procedure
11	Exercises
12	Turbine/Generator Start-up
13	Fans
14	Lufkin Reducing Gear
15	Terry Turbine
16	Crane Scale Computer
17	Crane Scale Printer
18	Crane Scale Commands
19	Miscellaneous
20	Rotaries
21	Stokers
22	Soot Lance Inspection & Replacement
23	Automatic Controllers
24	Alpha Programming
25	Electrostatic Precipitator Fundamentals
26	Lubrication Recommendations
27	Right to Know & Material Safety Data Sheets
28	Var/Power Factor Controller
29	
30	
31	

SOUTHERNMOST WASTE TO ENERGY

SOOT BLOWING PROCEDURE

- 1. Notify operator, before starting, and receive permission to begin.**
- 2. Verify that both air compressors are in service.**
- 3. If both air compressors are not in service request that the operator turn them on using the proper procedure.**
- 4. Make sure all required personal protection safety equipment is used (back belt, safety glasses, gloves, dust mask, hard hat etc.).**
- 5. Inspect air hose and lances for damage or other problems.**
- 6. Slowly pressurize the air hose and check that the fittings are not leaking, also that they are wired together for safety.**
- 7. Report any problems to your supervisor so he can see that it gets fixed.**
- 8. No more than six ports should be open at any given time during this procedure.**
- 9. Start with the bottom row.**
- 10. Open the first few ports on the bottom section closest to the pit and work toward the stack.**
- 11. Place the air lance in the port before turning air on to prevent ash blow out.**
- 12. While moving lance in and out, it should be rotated back and forth as well as moved up and down in order to loosen up and clear out as much ash as possible.**
- 13. Each port should require at least 2 minutes to clean it properly.**
- 14. As each port is completed it should be closed, making sure that the arms of the cam-lock are pushed all the way to the locked position, before other ports are opened.**
- 15. This procedure should be repeated across the entire bottom row of ports.**
- 16. To set up for doing the top row, get the stairway from the sight glass station and bring it over to the soot blowing area, taking care to keep the hose and lance out of the way. Face the steps toward the stack for easy access to the ports.**
- 17. Position the stairs to allow unencumbered access to the first set of ports.**
- 18. Again, open first set of ports on the top section closest to the pit and work your way toward the stack, following the procedures outlined in steps 11 through 15, taking special care while working up on the stairs.**
- 19. This should be done all the way across the top row of ports.**
- 20. Upon completion of the top row move to the mud drum deck, where there are two ports on either side of the mud drum to be air lanced.**
- 21. Starting with the outside port, remove the cap and place the end of the lance inside the port about 10 inches.**
- 22. Turn the air supply for the outside lance on slowly checking for leaks.**

23. The lance should be run in and out two or three times while rotating it back and forth. Upon completion turn the air off for the outside lance, remove the lance from the port and replace the cap.
24. Using the inside air lance and air supply repeat steps 21 through 23 for the inside port.
25. Return to the side of the unit and once again do the bottom row of ports following steps 11 through 15.
26. That completes the soot blowing procedure for a single unit.
27. Shut off the air supply to the hose and bleed off the pressure.
28. Move hose, lance and stairs to the second unit and repeat this procedure at the designated time.
29. The times to blow soot are as follows:

Day Shift

10:00 AM for the first unit on day shift
14:00 PM for the second unit on day shift

Night Shift

22:00 PM for the first unit on night shift.
02:00 AM for the second unit on night shift

Log the start and completion times of the soot blowing procedure in the supervisor, operator and aux. logbooks. If for some reason you are delayed or unable to blow soot at scheduled times log the reason why in those same logbooks.

Note

Remember safety first, use equipment that you have been issued, if you need help ask for it, and if your not sure how to do the job, ask for instructions before you start.

Warning

Lances will be hot during and right after blowing soot and may cause burns if safety equipment such as gloves are not used!

23. The lance should be run in and out two or three times while rotating it back and forth. Upon completion turn the air off for the outside lance, remove the lance from the port and replace the cap.
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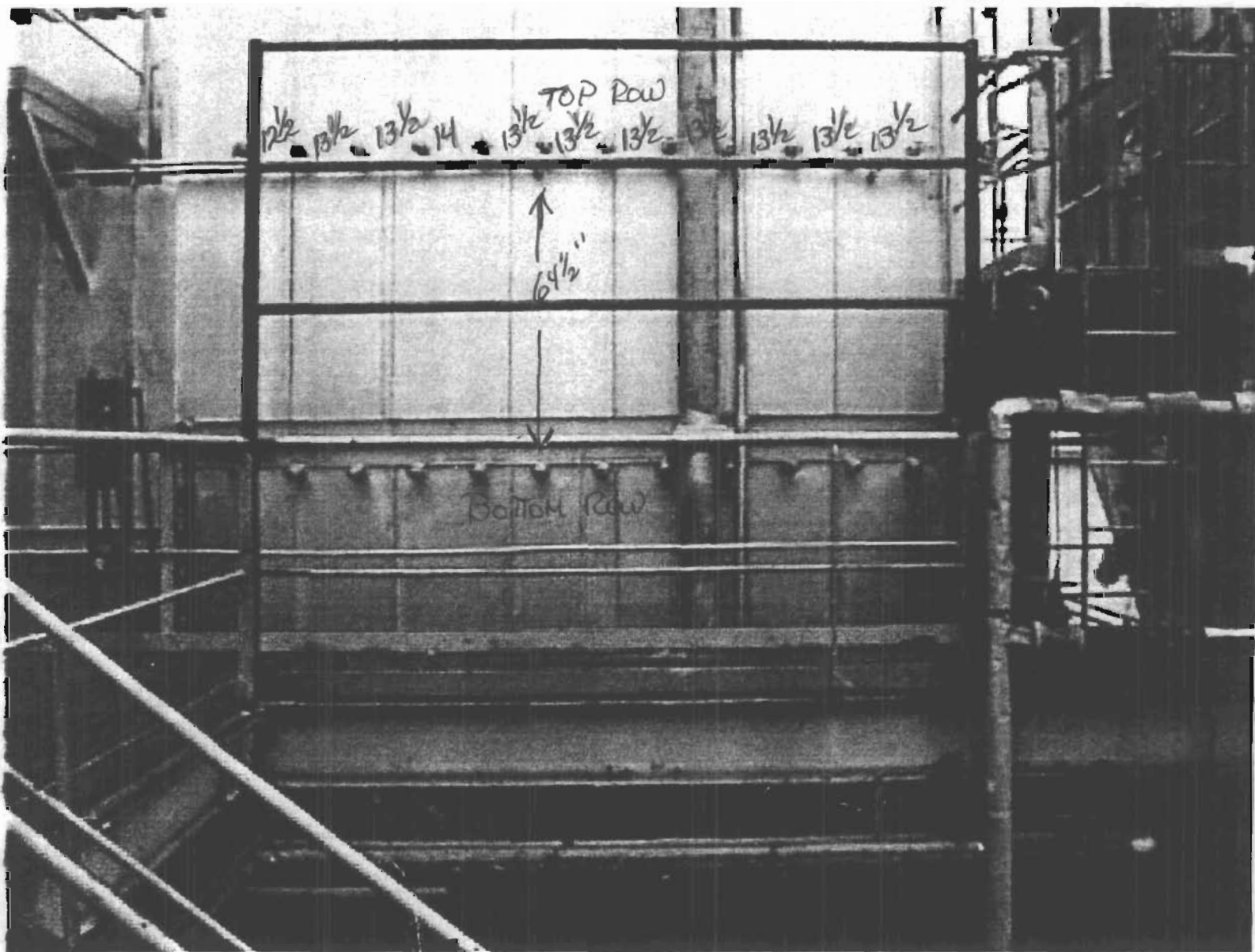
Note

Remember safety first, use equipment that you have been issued, if you need help ask for it, and if your not sure how to do the job, ask for instructions before you start.

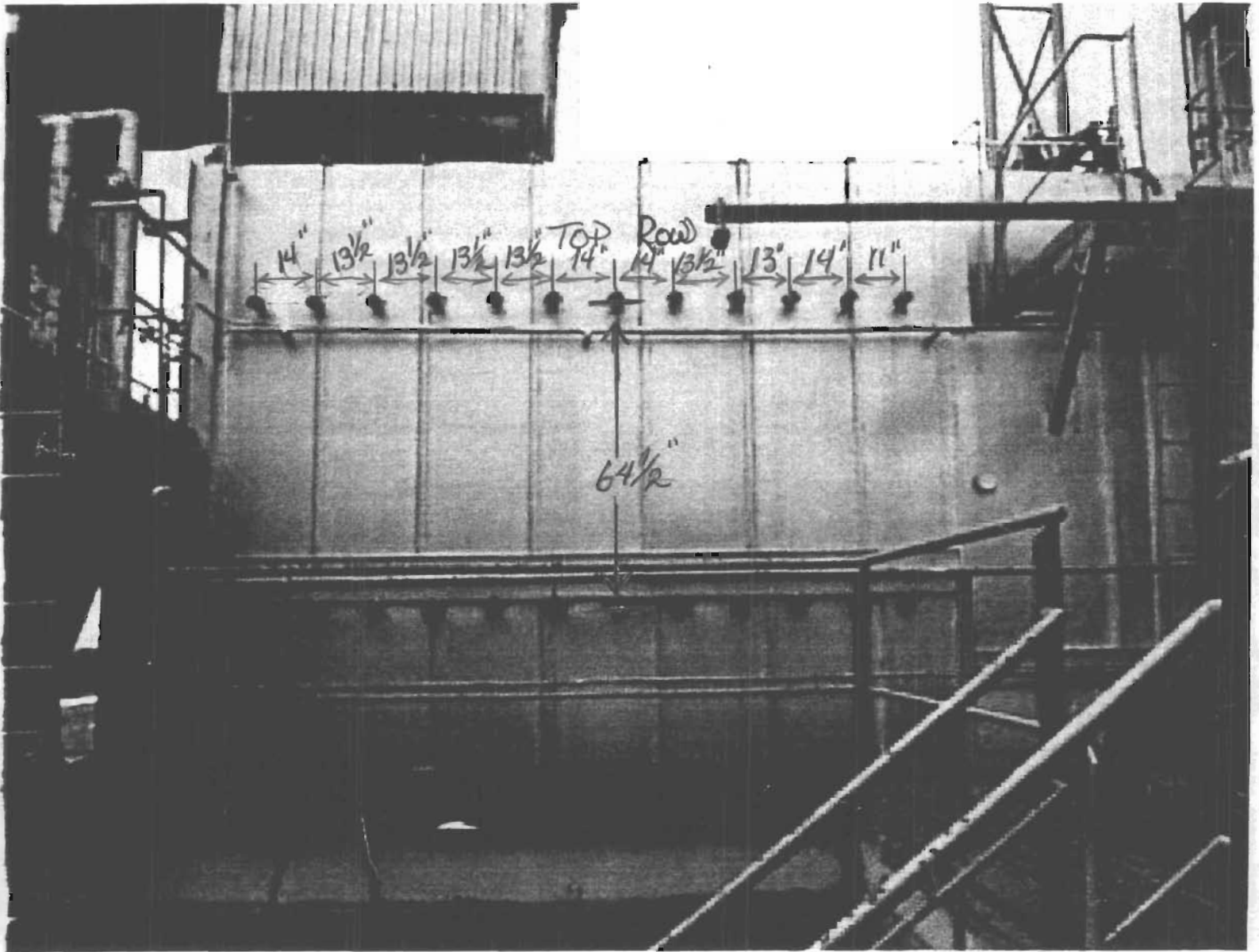
Warning

Lances will be hot during and right after blowing soot and may cause burns if safety equipment such as gloves are not used!

UNIT #1



UNIT #2



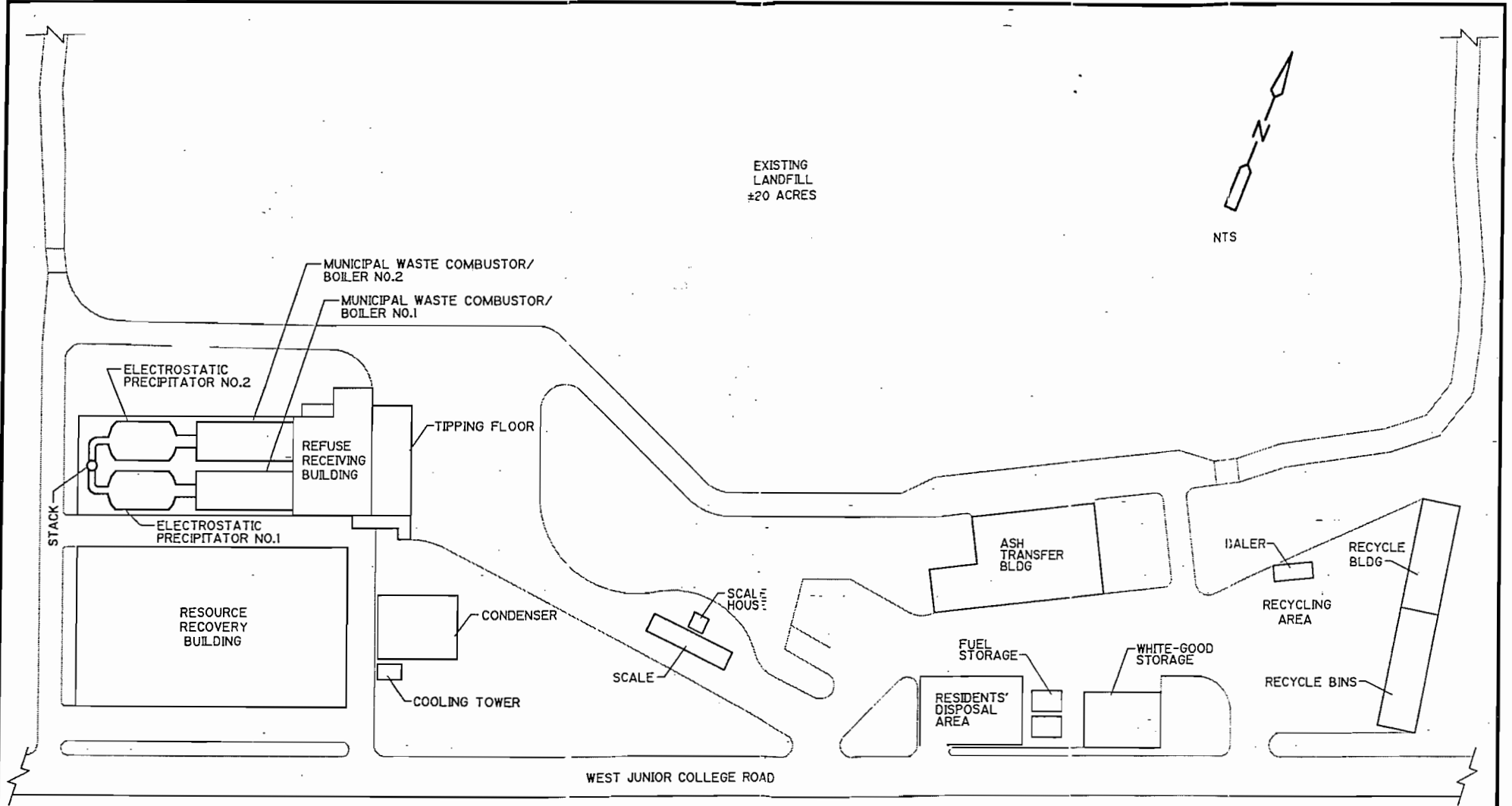
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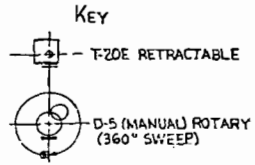
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FIG-2

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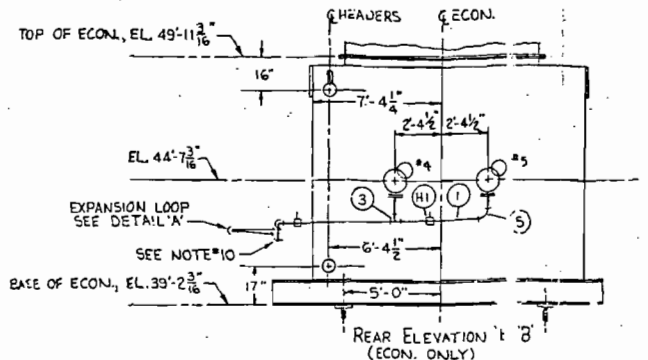
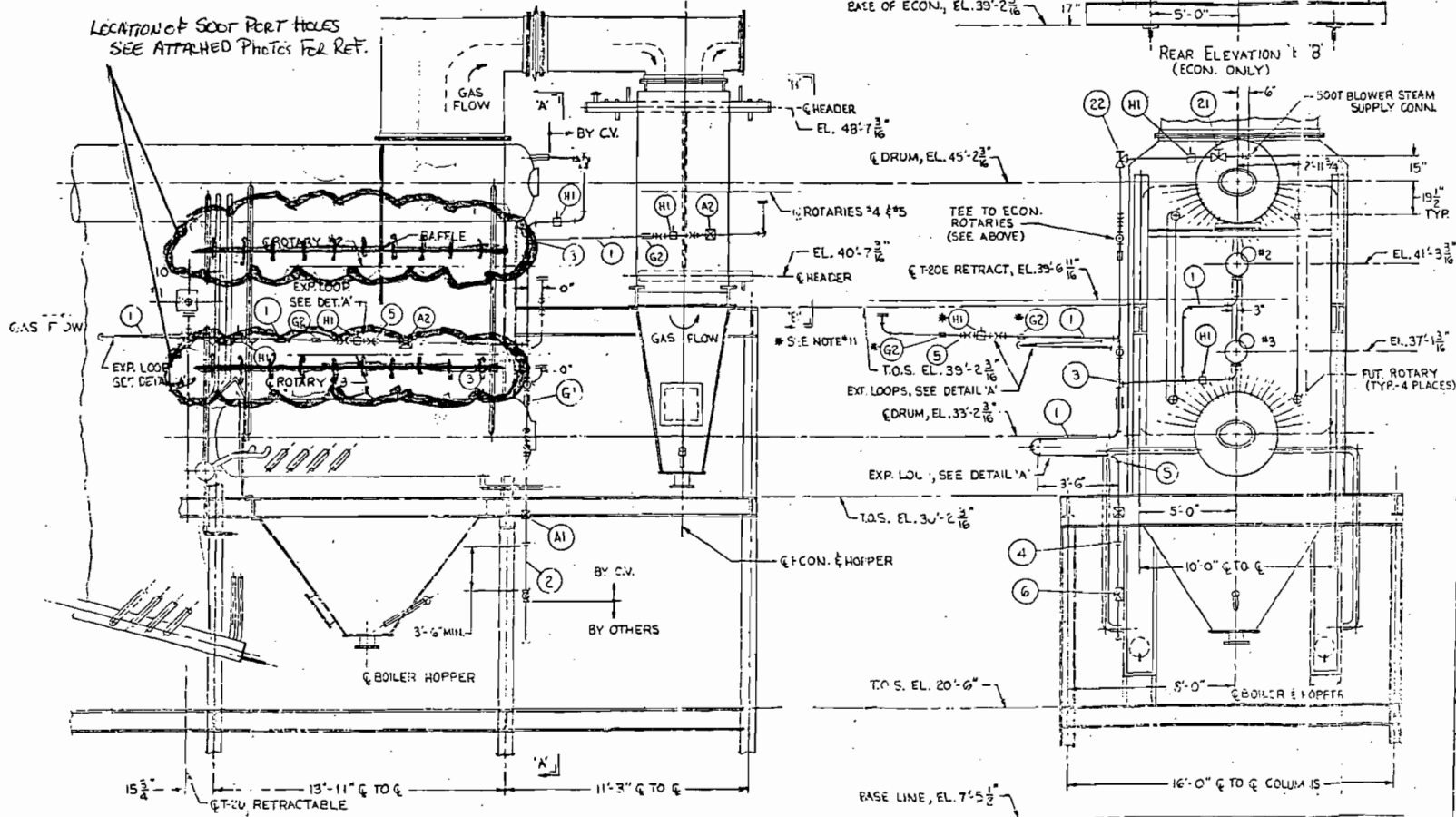


**CITY OF KEY WEST
SITE PLAN**



= LOCATION OF OLD STEAM LANCES

LOCATION OF SOOT PORT HOLES
SEE ATTACHED PHOTOS FOR REF.



ZURN IND., INC. REFERENCE DRAWING
VLA-126 GENERAL ARRANGEMENT
SK-6033 ECONOMIZER ASSEMBLY

- C.V. COMPLEMENTARY DRAWINGS**
- B-288425 T-20E SOOT BLOWER VIEWS
 - L-288426 T-20E SLEEVE VIEWS
 - B-288427 D-5 SOOT BLOWER VIEWS-BOILER
 - B-288428 D-5 SOOT BLOWER VIEWS-ECON.
 - L-288432 PIPING NOTES & EXPN. LOOP DETAIL
 - B-288433 HANGER, ANCHOR & GUIDE DETAILS
 - L-288434 SCHEMATIC PIPING DIAGRAM
 - S-288603 PIPING BILL OF MATERIALS

BOILER DATA

MFGR. & TYPE BOILER: ZURN "VL"
 DESIGN PRESSURE: 750 P.S.I.G.
 OPER. PRESSURE: 675 P.S.I.G. @ 501°F (SAT.)
 FUEL: REFUGE NO. OF BOILERS: (2) TWO

SOOT BLOWER INFORMATION

1. DUCTILE IRON MODEL O 2.50"-600" STD. HEAD
 BLOWING PRESSURE CAN BE REGULATED BY AN EXTERNAL ADJUSTING SCREW ON ALL MODEL "O" HEADS.
2. PIPE, VALVES, AND FITTINGS FURNISHED BY COPE'S-VULCAN EXCEPT AS NOTED.
3. ITEMS MARKED "N" NOT FURNISHED BY COPE'S-VULCAN.
4. SOOT BLOWING MEDIUM: STEAM @ 675 P.S.I.G./SAT. SOURCE: DRUM
5. SLOPE BLOWING MEDIUM PIPING TO MAIN.
6. HAND OF INSTALLATION:
 RETRACTS: NEAR SIDE - BLR #1, FAR SIDE - BLR #2
 BOILER ROTARIES: REAR - AS SHOWN - BLR #1
 REAR - OPP. SHOWN - BLR #2
 ECON. ROTARIES: REAR - OPP. SHOWN - BLR #1
 REAR - AS SHOWN - BLR #2
7. ROTARY ELEMENTS CUT TO LENGTH AND THREADED IN THE FIELD.
8. ALL DIMENSIONS ARE REFERENCE UNLESS OTHERWISE NOTED.
9. SEE DWG. L-288432 FOR EXPANSION LOOP DETAIL.
10. CONNECTS TO TEE ON BOILER FOR ROTARIES, RETRACTS & SOURCE CONN. SEE REAR & SIDE ELEVATIONS.
11. ATTACH TO BUILDING STEEL.

THE INFORMATION CONTAINED HEREIN IS PROPRIETARY TO COPE'S-VULCAN AND IS NOT TO BE REPRODUCED OR CIRCULATED TO ANY OTHER FACILITY WITHOUT THE PRIOR WRITTEN CONSENT OF COPE'S-VULCAN. IN THE EVENT OF SUCH REPRODUCTION OR CIRCULATION, COPE'S-VULCAN WILL BE RESPONSIBLE FOR ANY AND ALL DETRIMENTAL TO COPE'S-VULCAN IS REPRODUCED.



METRO KEY WEST, INC.
 KEY WEST, FLORIDA

SOOT BLOWER ARRANGEMENT AND PHYSICAL PIPING DIAGRAM

NO.	DATE	REVISIONS	BY	CHK.	NO.	DATE	REVISIONS	BY	CHK.	NO.	DATE	REVISIONS	BY	CHK.
1	3-10-24	REPLACED PIPE BENDS & COUPLINGS WITH ELBOWS, ALSO REVISED NOTE #2, PER ZURN MARKED PRINT & CHG. NO. 3 DATED 3-25-23, ALSO	VER	CH	14-385		CHANGED HAND OF ECON. ROTARIES TO REAR PER ZURN MARKED PRINT AND CHANGE NO. 5, DATED 3-27-23	VER	CH					

MASTER ASSY | SUB ASSY | DATE | OSUN | DATE

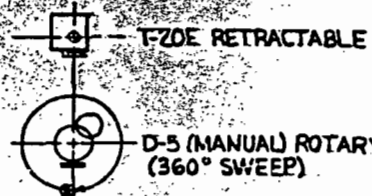
CHECKED | DATE | MFC | DATE

APP'D | DATE | DATE

WFO FROM | PART CODE | SCALE ~ DWG. NO. B-235424 REV. 1

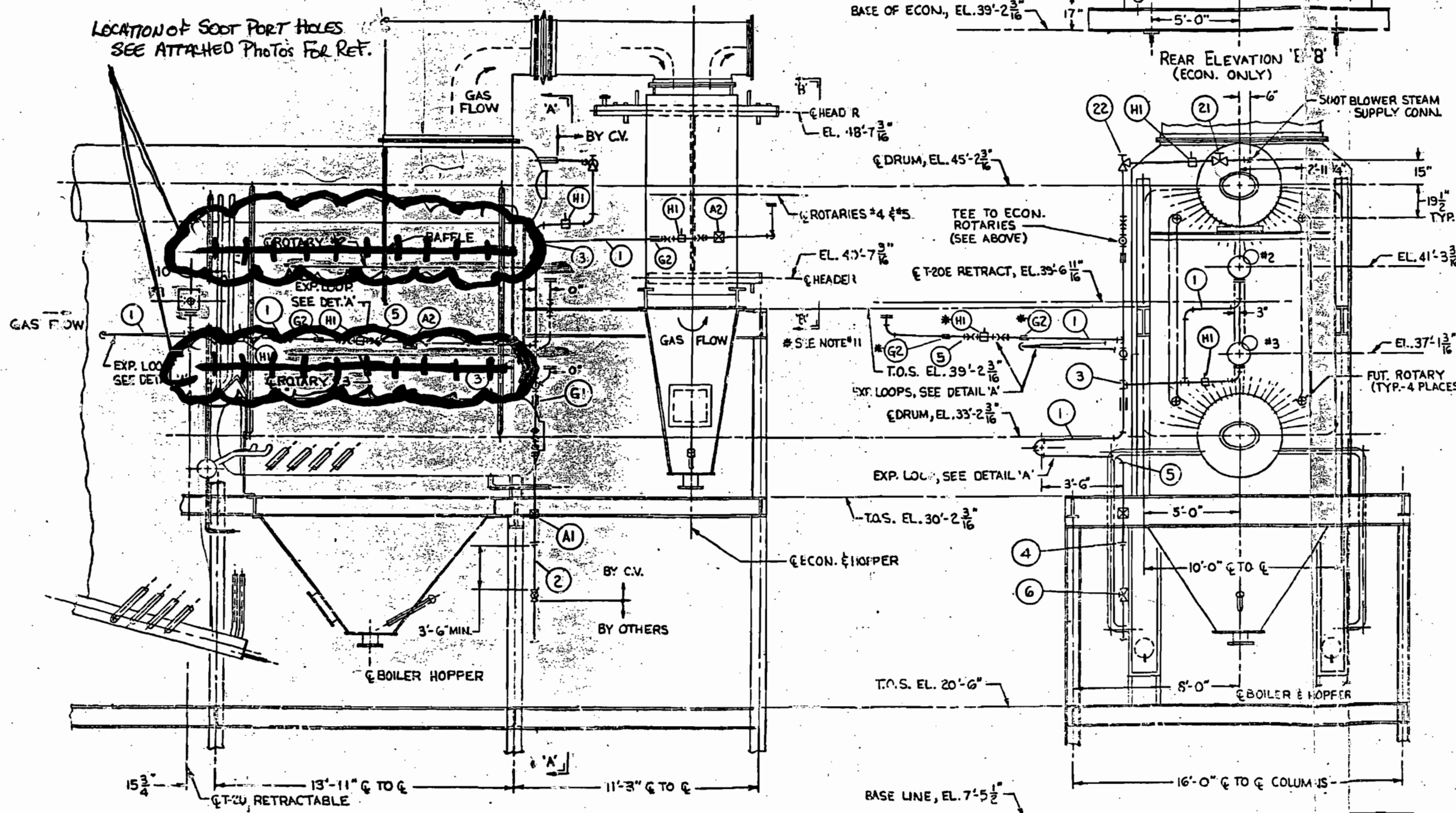
Best Available Copy

KEY



— = LOCATION OF OLD STEAM LANCES

LOCATION OF SOOT PORT HOLES
SEE ATTACHED PHOTOS FOR REF.



ZURN IND., INC. REFERENCE DRAWING

VLA-126 GENERAL ARRANGEMENT
SK-6033 ECONOMIZER ASSEMBLY

C.V. COMPLEMENTARY DRAWINGS

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L-288432 PIPING NOTES & EXPN. LOOP DETAIL
B-288433 HANGER, ANCHOR & GUIDE DETAILS
L-288434 SCHEMATIC PIPING DIAGRAM
S-288603 PIPING BILL OF MATERIALS

BOILER DATA

MFR. & TYPE BOILER: ZURN 'VL'
DESIGN PRESSURE: 750 P.S.I.G.
OPER. PRESSURE: 675 P.S.I.G. @ 501 °F (SAT.)
FUEL: REFUSE NO. OF BOILERS: (2) TWO

SOOT BLOWER INFORMATION

DUCTILE IRON MODEL D 2.50"-600" STD. HEAD

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3. ITEMS MARKED "N" NOT FURNISHED BY COPES-VULCAN.
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5. SLOPE BLOWING MEDIUM PIPING TO DRAIN.
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RETRACTS: NEAR SIDE - BLR #1, FAR SIDE - BLR #2
BOILER ROTARIES: REAR - AS SHOWN - BLR #1
REAR - OPP. SHOWN - BLR #2
ECON. ROTARIES: REAR - OPP. SHOWN - BLR #1
REAR - AS SHOWN - BLR #2
7. ROTARY ELEMENTS CUT TO LENGTH AND THREADED IN THE FIELD.
8. ALL DIMENSIONS ARE REFERENCE UNLESS OTHERWISE NOTED.
9. SEE DWG. L-289432 FOR EXPANSION LOOP DETAIL.
10. CONNECTS TO TEE ON BOILER FOR ROTARIES, RETRACTS & SOURCE CONN. SEE REAR & SIDE ELEVATIONS.
11. ATTACH TO BUILDING STEEL.

THE INFORMATION CONTAINED HEREIN IS PROPRIETARY TO COPES-VULCAN AND IS NOT TO BE REPRODUCED OR GIVEN TO ANY OTHER FACILITY WITHOUT THE PRIOR WRITTEN CONSENT OF COPES-VULCAN. ANY USE OF THIS INFORMATION IN ANY WAY DETRIMENTAL TO COPES-VULCAN IS PROHIBITED.



METRO KEY WEST, INC.
KEY WEST, FLORIDA

SOOT BLOWER ARRANGEMENT AND PHYSICAL PIPING DIAGRAM

NO.	DATE	REVISIONS	BY	CHK.	NO.	DATE	REVISIONS	BY	CHK.	NO.	DATE	REVISIONS	BY	CHK.
1	3-10-86	REPLACED PIPE BENDS & COUPLINGS WITH ELBOWS, ALSO REVISED NOTE #2, PER ZURN MARKED PRINT & CHG. NO. 3 DATED 2-25-86; ALSO	KER		4-386	4-3-86	CHANGED HAND OF "ECON." ROTARIES TO REAR PER ZURN MARKED PRINT AND CHANGE NO. 5, DATED 3-27-86	YER						

DFTSMW	KER	DATE: 2-2-86	OSGN.	DATE
CHECKED	YER	DATE: 3-10-86	MFG.	DATE
APPD.	YER	DATE: 3-10-86		DATE
SIPO FROM				
	PART CODE: 6			
SCALE	DWG. NO. B-288424		REV. 1	

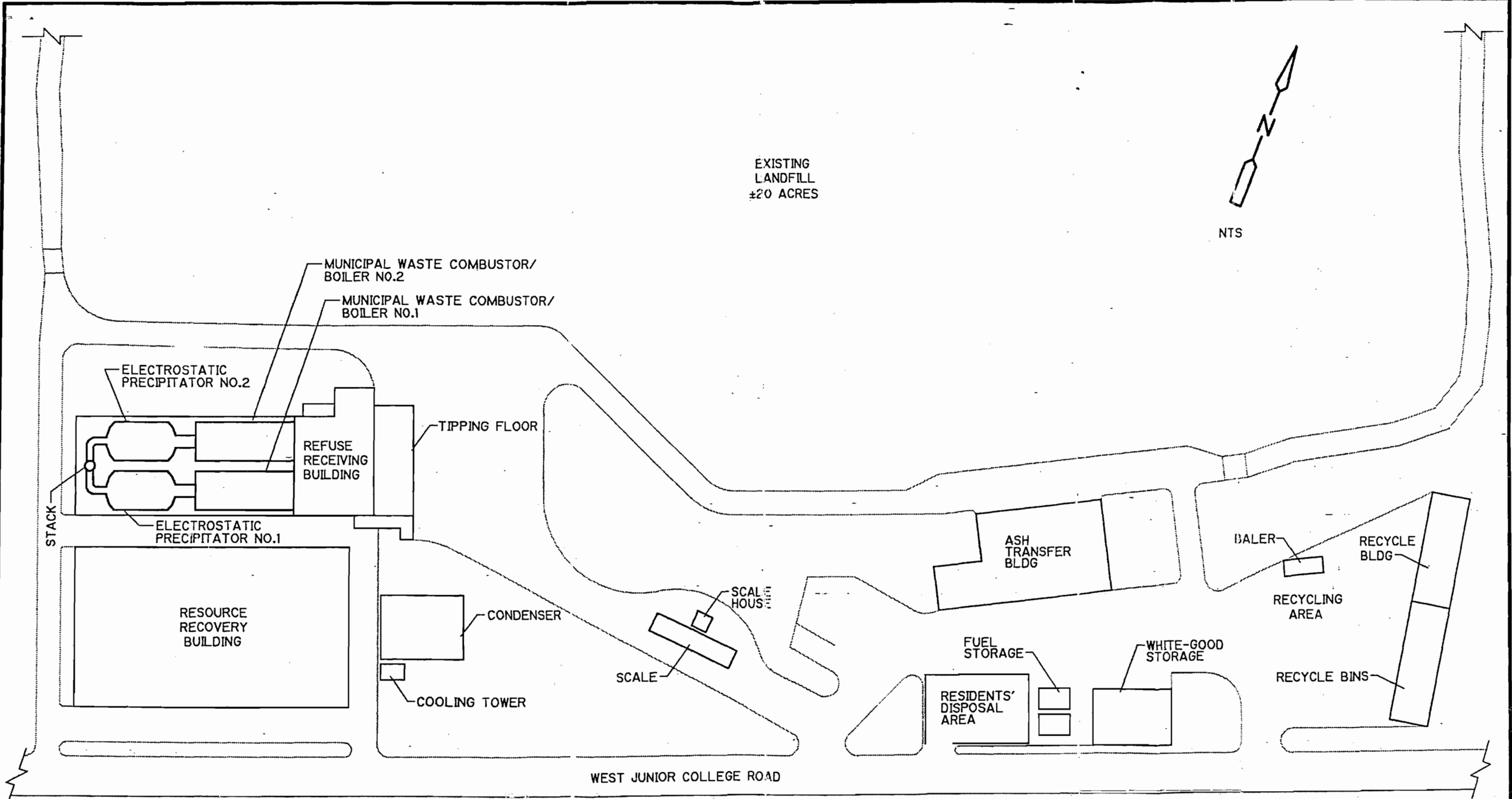
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FIG-2

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**CITY OF KEY WEST
SITE PLAN**

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. E. David Fernandez
 The City of Key West
 Southernmost West to E.F.
 5701 W Jr. College Rd.
 Key West, FL 33040

4a. Article Number
Z 333 612 489

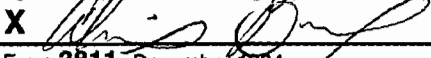
4b. Service Type
 Registered Certified
 Express Mail Insured
 Return Receipt for Merchandise COD

7. Date of Delivery
10/30/98

5. Received By: (Print Name)

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

6. Signature: (Addressee or Agent)

X 

PS Form 3811, December 1994

102595-97-B-0179

Domestic Return Receipt

Thank you for using Return Receipt Service.

Z 333 612 489

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

Sent to David Fernandez
 Street & Number City of Key West
 Post Office, State, & ZIP Code Southernmost
 Postage Key West, FL
 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 10-28-98
 0870047-002-AC

PS Form 3800, April 1995

PUBLIC NOTICE OF INTENT TO
ISSUE AIR CONSTRUCTION
PERMIT

STATE OF FLORIDA
DEPARTMENT OF ENVIRON-
MENTAL PROTECTION

Draft Permit No. 0870047-002-AC
The City of Key West, Southern-
most Waste to Energy Facility
Monroe County

The Department of Environmen-
tal Protection (Department) gives
notice of its intent to issue an air
construction permit to The City of
Key West for the Southernmost
Waste to Energy Facility located at
5701 W. Junior College Road,
Key West, Monroe County. A Best
Available Control Technology
(BACT) determination was not re-
quired pursuant to Rule 62-
212.400, F.A.C. and 40 CFR
52.21, Prevention of Significant
Deterioration (PSD). The appli-
cant's name and address are The
City of Key West, Southernmost
Waste to Energy Facility, 5701 W.
Junior College Road, Key West,
Florida 33040.

This Permit will allow the appli-
cant to use a manual method of
soot blowing and discontinue us-
ing the originally installed contin-
uous steam soot blowers.

Air quality impact analysis was
not conducted. Emissions from
the facility will not consume PSD
increment and will not signifi-
cantly contribute to or cause a vi-
olation of any state or federal am-
bient air quality standards.

The Department will issue the fi-
nal permit with the attached con-
ditions unless a response re-
ceived in accordance with the fol-
lowing procedures results in a dif-
ferent decision or significant
change of terms or conditions.

The Department will accept writ-
ten comments concerning the
proposed permit issuance action
for a period of 14 (fourteen) days
from the date of publication of
"Public Notice of Intent to Issue
Air Construction Permit." Written
comments should be provided to
the Department's Bureau of Air
Regulation at 2600 Blair Stone
Road, Mail Station #5505, Talla-
hassee, FL 32399-2400. Any
Written comments filed shall be
made available for public inspec-

tion. If written comments received
result in a significant change in
the proposed agency action, the
Department shall revise the pro-
posed permit and require, if appli-
cable, another Public Notice.

The Department will issue the
permit with the attached condi-
tions unless a timely petition for
an administrative hearing is filed
pursuant to sections 120.569 and
120.57 F.S., before the deadline
for filing a petition. The proce-
dures for petitioning for a hearing
are set forth below.

A person whose substantial inter-
est are affected by the proposed
permitting decision may petition
for and administrative proceeding
(hearing) under sections 120.659
and 120.57 of the Florida Stat-
utes. The petition must contain
the information set forth below
and must be filed (received) in
the Office of General Counsel of
the Department at 3900 Com-
monwealth Boulevard, Mail Sta-
tion #35, Tallahassee, Florida
32399-3000. Petition filed by the
permit applicant or any of the par-
ties listed below must be filed
within fourteen days of receipt of
this notice of intent. Petitions filed
by any persons other than those
entitled to written notice under
section 120.60(3) of the Florida
Statutes must be filed with four-
teen days of publication of the
public notice or within fourteen
days of receipt of this notice of in-
tent, whichever occurs first. Un-
der section 120.60(3), however,
any person who asked the De-
partment for notice of agency ac-
tion may file a petition within four-
teen days of receipt of that notice,
regardless of the date of publica-
tion. A petitioner shall mail a copy
of the petition of the applicant at
the address indicated above at
the time of filing. The failure of
any person to file a petition within
the appropriate time period shall
constitute a waiver of that per-
son's right to request an adminis-
trative determination (hearing)
under sections 120.569 and
120.57 F.S., or to intervene in this
proceeding and participate as a
party to it. Any subsequent inter-
vention will be only at the ap-
proval of the presiding officer
upon the filing of a motion in com-
pliance with Rule 28-106.205 of
the Florida Administrative Code.

A petition that disputes the mater-
ial facts on which the Depart-
ment's action is based must con-
tain the following information: (a)
The name and address of each
agency affected and each agency's
file or identification number, if

known; (b) The name, address
and telephone number of the peti-
tioner, the name, address and
telephone number of the peti-
tioner's representative, if any, which
shall be the address for service
purposes during the course of the
proceeding; and explanation of
how the petitioner's substantial
interest will be affected by the
agency determination; (c) A state-
ment of how and when petitioner
received notice of the agency ac-
tion or proposed action; (d) A
statement of all disputed issues of
material fact. If there are none the
petition must so indicate; (e) A
concise statement of the ultimate
facts alleged, as well as the rules
and statutes which entitle the pe-
titioner to relief; and (f) A demand
for relief.

A petition that does not dispute
the material facts upon which the
Department's action is based
shall state that no such facts are
in dispute and otherwise shall
contain the same information as
set forth above, as required by
rule 28-106.301.

Because the administrative hear-
ing process is designed to formu-
late final agency action, the filing
of a petition means that the De-
partment's final action may be dif-
ferent from the position taken by it
in this notice. Persons whose
substantial interests will be af-
fected by any such final decision
of the Department on the applica-
tion have the right to petition to
become a party of the proceed-
ing, in accordance with the re-
quirements set forth above.

Mediation is not available in this
proceeding.

A complete project file is available
for public inspection during nor-
mal business hours, 8:00 a.m. to
5:00 p.m., Monday through Fri-
day, except legal holidays, at:

Department of Environmental
Protection, Bureau of Air Regula-
tion, 111 S. Magnolia Drive, Suite
4, Tallahassee, Florida, 32301,
Telephone 850-488-0114, Fax
850-922-6979.

Department of Environmental
Protection, South District Office,
2295 Victoria Avenue, Suite 364,
Fort Myers, Florida 33901, Tele-
phone 941-332-6975, Fax 941-
332-6969.

The complete project file includes
the application, technical evalua-
tions, Draft Permit, and the infor-
mation submitted by the responsi-
ble official, exclusive of confiden-
tial records under Section
403.111, F.S. Interested persons
may contact the Administrator,
New Resource Review Section at

111 South Magnolia Drive, Suite
4, Tallahassee, Florida 32301, or
call 850-488-0114, for additional
information.
November 9th, 1998.

Fold at line over top of envelope to the right of the return address

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):

- Addressee's Address
- Restricted Delivery

Consult postmaster for fee.

Is your RETURN ADDRESS completed on the reverse side?

3. Article Addressed to:
 Mr. E. David Fernandez
 The City of Key West
 Southernmost Waste to
 Energy Facility
 5701 W. G. College Rd.
 Key West, FL 33040

4a. Article Number
 Z 333 612 567

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

7. Date of Delivery
 12/11/98

5. Received By: (Print Name)
 Phil Rushing

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

6. Signature: (Addressee or Agent)
 X *[Signature]*

PS Form 3811, December 1994

102595-97-B-0179

Domestic Return Receipt

Thank you for using Return Receipt Service.

Z 333 612 567

US Postal Service
Receipt for Certified Mail

No Insurance Coverage Provided.
 Do not use for International Mail (See reverse)

Sent to	David Fernandez
Street & Number	City of Key West
Post Office, State, & ZIP Code	Southernmost Waste
Postage	to Energy
Certified Fee	FW, 90
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	12-8-98
0870047-002-AC	

PS Form 3800, April 1995