

Check Sheet

Company Name: U.S. Sugar Corp
Permit Number: General
PSD Number: _____
Permit Engineer: _____

Application:

- | | |
|--|--------------------------|
| <input type="checkbox"/> Initial Application | Cross References: |
| <input type="checkbox"/> Incompleteness Letters | <input type="checkbox"/> |
| <input type="checkbox"/> Responses | <input type="checkbox"/> |
| <input type="checkbox"/> Waiver of Department Action | <input type="checkbox"/> |
| <input type="checkbox"/> Department Response | |
| <input type="checkbox"/> Other | |

Intent:

- Intent to Issue
- Notice of Intent to Issue
- Technical Evaluation
- BACT or LAER Determination
- Unsigned Permit
- Correspondence with:
 - EPA
 - Park Services
 - Other
- Proof of Publication
 - Petitions - (Related to extensions, hearings, etc.)
 - Waiver of Department Action
 - Other

Final

Determination:

- Final Determination
- Signed Permit
- BACT or LAER Determination
- Other

Post Permit Correspondence:

- Extensions/Amendments/Modifications
- Other

BRYAN CAVE

ST. LOUIS, MISSOURI
LOS ANGELES, CALIFORNIA
NEW YORK, NEW YORK
PHOENIX, ARIZONA
KANSAS CITY, MISSOURI

700 THIRTEENTH STREET, N.W.
WASHINGTON, D.C. 20005-3960
(202) 508-6000
FACSIMILE: (202) 508-6200

IRVINE, CALIFORNIA
SANTA MONICA, CALIFORNIA
OVERLAND PARK, KANSAS
LONDON, ENGLAND
RIYADH, SAUDI ARABIA
FRANKFURT AM MAIN, GERMANY

PETER H. OPPENHEIMER
DIRECT DIAL NUMBER
(202) 508-6067

RECEIVED

January 3, 1995

JAN 09 1995

VIA FEDERAL EXPRESS

Bureau of
Air Regulation

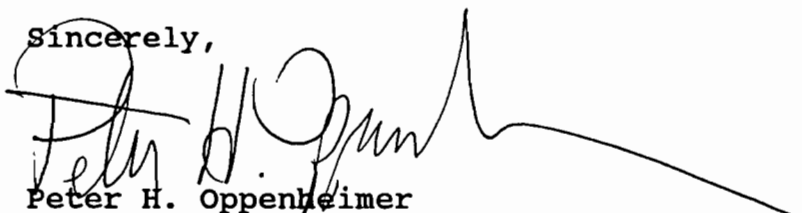
Virginia B. Wetherell, Secretary
c/o Office of General Counsel
Florida Department of Environmental
Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Re: U.S. Sugar Corporation
Bryant Mill Boilers No. 1-3
OGC Case No. 94-1086
OGC Case No. 94-1087
OGC Case No. 94-1088
Palm Beach County

Dear Secretary Wetherell:

Enclosed for filing in conjunction with each of the
above-referenced cases are Requests for Sixth Extension of Time
to File Petitions For Hearing.

Sincerely,


Peter H. Oppenheimer

Enclosures

cc: Peter J. Ware, Director, DEP, Fort Myers Office
Kenneth J. Plante, Esq., General Counsel, DEP
Jefferson M. Braswell, Esq., Assistant General Counsel, DEP
Arthur E. Lyall, Engineer, DEP, Fort Myers Office
Sterling L. Jordan, DEP, Fort Myers Office
Jeffery F. Koerner, Engineer, Palm Beach County
R. Bruce Mitchell, DEP, Tallahassee
Murray Brinson, U.S. Sugar Corporation
Peter B. Briggs, U.S. Sugar Corporation
Don Griffin, U.S. Sugar Corporation
David A. Buff, P.E., KBN
Steven Neck, P.E., ACE

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

U.S. SUGAR CORPORATION
BRYANT MILL BOILER NO. 1,
DEP Permit No. A050-226999,

Petitioner,

vs.

OGC CASE NO. 94-1086

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION,

Respondent.

**REQUEST FOR SIXTH EXTENSION
OF TIME TO FILE PETITION FOR HEARING**

On March 10, 1994, U.S. Sugar Corporation (U.S. Sugar) received by certified mail the Department of Environmental Protection's "Notice of Permit Amendment" for Air Operation Permit No. A050-226999 (Bryant Mill Boiler No. 1).

On March 18, 1994, U.S. Sugar filed, and the Department subsequently granted, a request for an extension of time to and including April 29, 1994 in which to file a petition for administrative proceeding.

On April 26, 1994, U.S. Sugar filed, and the Department subsequently granted, a request for an extension of time to and including July 28, 1994 in which to file a petition for administrative proceeding.

On July 26, 1994 U.S. Sugar filed, and the Department subsequently granted, a request for an extension of time to and

including September 30, 1994 in which to file a petition for administrative proceeding.

On September 27, 1994, U.S. Sugar filed, and the Department subsequently granted, a request for an extension of time to and including November 18, 1994 in which to file a petition for administrative proceeding.

On November 11, 1994, U.S. Sugar filed, and the Department subsequently granted, a request for an extension of time to and including January 16, 1995 in which to file a petition for an administrative proceeding.

Counsel for the Petitioner is writing to request an extension of time to and including Wednesday, May 31, 1995 in which to file a petition for administrative proceeding regarding the proposed permit amendment. This request is made pursuant to Florida Administrative Code Rule 62-103.070. As good cause for granting the requested extension of time for filing, U.S. Sugar would show the following:

1. On August 16, 1994, U.S. Sugar filed a proposal to resolve all outstanding RACT permit issues, in particular those involving proposed specific condition number 13, which establishes test methods for demonstrating compliance with the emission limits for volatile organic compounds (VOCs) and nitrogen oxides (NOX).
2. On December 2, 1994, U.S. Sugar and other members of the sugarcane industry met with representatives of the Department to discuss the VOC test method most

appropriate for bagasse-fired boilers. It was agreed that several bagasse-fired boilers would be stack tested by April 1, 1995 in order to obtain comparative data using methods 25 and 25A. The Department agreed to review the test results and issue amended RACT permits to the affected boilers, including Bryant Boiler No. 1, by May 31, 1995.

3. This request is filed as a protective measure to avoid waiver of U.S. Sugar's rights to challenge or request an administrative hearing on any provision of the proposed permit. Grant of this request will allow the Department the opportunity to complete its review of U.S. Sugar's August 16 submission and issue a final permit amendment that achieves a mutually acceptable resolution of U.S. Sugar's concerns without the need for initiation of formal administrative proceedings.

We discussed this request with the Department's assistant general counsel, Jefferson M. Braswell, Esq., on Tuesday, December 20, 1994. Accordingly, Counsel for the Petitioner respectfully requests that an extension of time be granted for the filing of a petition for administrative proceedings in regard of the Department's Air Operation Permit No. A050-226999 (Bryant Mill Boiler No. 1) to and including Wednesday, May 31, 1995.

If the requested extension of time is not granted for any reason, then this pleading and the prior requests for extensions (which are incorporated herein by reference) shall

constitute a petition filed pursuant to Florida Administrative Code Rule 17-103.155 for an administrative hearing on proposed specific permit conditions numbers 11, 12 and 13 added by the "Notice of Permit Amendment" to the air operation permit of Bryant Mill Boiler No. 1.

BRYAN CAVE

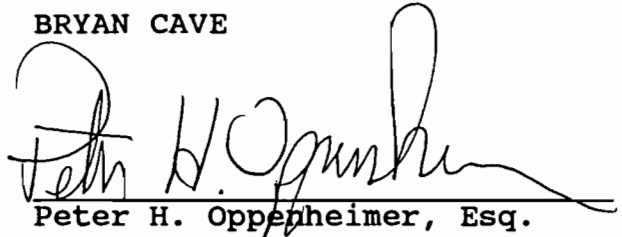
ROBERT F. VAN VOORHEES
PETER H. OPPENHEIMER
COUNSEL FOR U.S. SUGAR CORPORATION

700 13th Street, N.W., Suite 700
Washington, D.C. 20005-3960
Telephone: (202) 508-6067

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished by Federal Express overnight delivery to Jefferson M. Braswell, Esquire, 2600 Blair Stone Road, Tallahassee, FL 32399-2400, on this 3 day of January, 1995.

BRYAN CAVE

A handwritten signature in black ink, appearing to read "Peter H. Oppenheimer", written over a horizontal line.

Peter H. Oppenheimer, Esq.

cc: Peter J. Ware, Director, DEP, Fort Myers Office
Kenneth J. Plante, Esq., General Counsel, DEP
Jefferson M. Braswell, Esq., Assistant General Counsel, DEP
Arthur E. Lyall, Engineer, DEP, Fort Myers Office
Sterling L. Jordan, DEP, Fort Myers Office
Jeffery F. Koerner, Engineer, Palm Beach County
R. Bruce Mitchell, DEP, Tallahassee
Murray Brinson, U.S. Sugar Corporation
Don Griffin, U.S. Sugar Corporation
Peter Barquin, U.S. Sugar Corporation
David A. Buff, P.E., KBN
Steven Neck, P.E., ACE

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

U.S. SUGAR CORPORATION
BRYANT MILL BOILER NO. 2,
DEP Permit No. A050-191899,

Petitioner,

vs.

OGC CASE NO. 94-1087

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION,

Respondent.

_____ /

**REQUEST FOR SIXTH EXTENSION
OF TIME TO FILE PETITION FOR HEARING**

On March 10, 1994, U.S. Sugar Corporation (U.S. Sugar) received by certified mail the Department of Environmental Protection's "Notice of Permit Amendment" for Air Operation Permit No. A050-191899 (Bryant Mill Boiler No. 2).

On March 18, 1994, U.S. Sugar filed, and the Department subsequently granted, a request for an extension of time to and including April 29, 1994 in which to file a petition for administrative proceeding.

On April 26, 1994, U.S. Sugar filed, and the Department subsequently granted, a request for an extension of time to and including July 28, 1994 in which to file a petition for administrative proceeding.

On July 26, 1994 U.S. Sugar filed, and the Department subsequently granted, a request for an extension of time to and

including September 30, 1994 in which to file a petition for administrative proceeding.

On September 27, 1994, U.S. Sugar filed, and the Department subsequently granted, a request for an extension of time to and including November 18, 1994 in which to file a petition for administrative proceeding.

On November 11, 1994, U.S. Sugar filed, and the Department subsequently granted, a request for an extension of time to and including January 16, 1995 in which to file a petition for an administrative proceeding.

Counsel for the Petitioner is writing to request an extension of time to and including Wednesday, May 31, 1995 in which to file a petition for administrative proceeding regarding the proposed permit amendment. This request is made pursuant to Florida Administrative Code Rule 62-103.070. As good cause for granting the requested extension of time for filing, U.S. Sugar would show the following:

1. On August 16, 1994, U.S. Sugar filed a proposal to resolve all outstanding RACT permit issues, in particular those involving proposed specific condition number 13, which establishes test methods for demonstrating compliance with the emission limits for volatile organic compounds (VOCs) and nitrogen oxides (NOX).
2. On December 2, 1994, U.S. Sugar and other members of the sugarcane industry met with representatives of the Department to discuss the VOC test method most

appropriate for bagasse-fired boilers. It was agreed that several bagasse-fired boilers would be stack tested by April 1, 1995 in order to obtain comparative data using methods 25 and 25A. The Department agreed to review the test results and issue amended RACT permits to the affected boilers, including Bryant Boiler No. 2, by May 31, 1995.

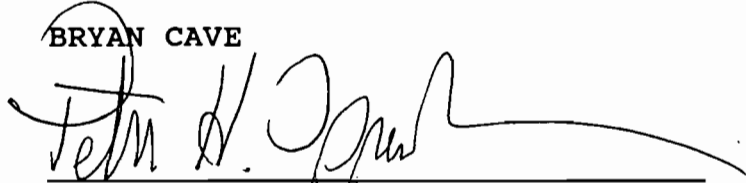
3. This request is filed as a protective measure to avoid waiver of U.S. Sugar's rights to challenge or request an administrative hearing on any provision of the proposed permit. Grant of this request will allow the Department the opportunity to complete its review of U.S. Sugar's August 16 submission and issue a final permit amendment that achieves a mutually acceptable resolution of U.S. Sugar's concerns without the need for initiation of formal administrative proceedings.

We discussed this request with the Department's assistant general counsel, Jefferson M. Braswell, Esq., on Tuesday, December 20, 1994. Accordingly, Counsel for the Petitioner respectfully requests that an extension of time be granted for the filing of a petition for administrative proceedings in regard of the Department's Air Operation Permit No. A050-191899 (Bryant Mill Boiler No. 2) to and including Wednesday, May 31, 1995.

If the requested extension of time is not granted for any reason, then this pleading and the prior requests for extensions (which are incorporated herein by reference) shall

constitute a petition filed pursuant to Florida Administrative Code Rule 17-103.155 for an administrative hearing on proposed specific permit conditions numbers 11, 12 and 13 added by the "Notice of Permit Amendment" to the air operation permit of Bryant Mill Boiler No. 2.

BRYAN CAVE

A handwritten signature in black ink, appearing to read "Robert F. Van Voorhees", written over a horizontal line.

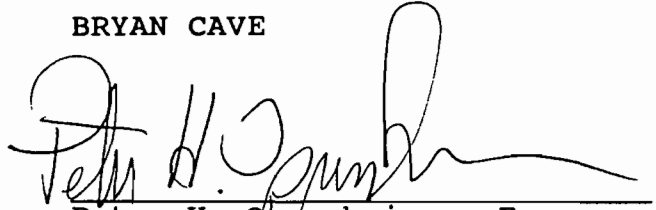
ROBERT F. VAN VOORHEES
PETER H. OPPENHEIMER
COUNSEL FOR U.S. SUGAR CORPORATION

700 13th Street, N.W., Suite 700
Washington, D.C. 20005-3960
Telephone: (202) 508-6067

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished by Federal Express overnight delivery to Jefferson M. Braswell, Esquire, 2600 Blair Stone Road, Tallahassee, FL 32399-2400, on this 3 day of January, 1995.

BRYAN CAVE



Peter H. Oppenheimer, Esq.

cc: Peter J. Ware, Director, DEP, Fort Myers Office
Kenneth J. Plante, Esq., General Counsel, DEP
Jefferson M. Braswell, Esq., Assistant General Counsel, DEP
Arthur E. Lyall, Engineer, DEP, Fort Myers Office
Sterling L. Jordan, DEP, Fort Myers Office
Jeffery F. Koerner, Engineer, Palm Beach County
R. Bruce Mitchell, DEP, Tallahassee
Murray Brinson, U.S. Sugar Corporation
Peter B. Briggs, U.S. Sugar Corporation
Don Griffin, U.S. Sugar Corporation
David A. Buff, P.E., KBN
Steven Neck, P.E., ACE

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

U.S. SUGAR CORPORATION
BRYANT MILL BOILER NO. 3,
DEP Permit No. AO50-182890

Petitioner,

vs.

OGC CASE NO. 94-1088

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION,

Respondent.

**REQUEST FOR SIXTH EXTENSION
OF TIME TO FILE PETITION FOR HEARING**

On March 10, 1994, U.S. Sugar Corporation (U.S. Sugar) received by certified mail the Department of Environmental Protection's "Notice of Permit Amendment" for Air Operation Permit No. AO50-182890 (Bryant Mill Boiler No. 3).

On March 18, 1994, U.S. Sugar filed, and the Department subsequently granted, a request for an extension of time to and including April 29, 1994 in which to file a petition for administrative proceeding.

On April 26, 1994, U.S. Sugar filed, and the Department subsequently granted, a request for an extension of time to and including July 28, 1994 in which to file a petition for administrative proceeding.

On July 26, 1994 U.S. Sugar filed, and the Department subsequently granted, a request for an extension of time to and

including September 30, 1994 in which to file a petition for administrative proceeding.

On September 27, 1994, U.S. Sugar filed, and the Department subsequently granted, a request for an extension of time to and including November 18, 1994 in which to file a petition for administrative proceeding.

On November 11, 1994, U.S. Sugar filed, and the Department subsequently granted, a request for an extension of time to and including January 16, 1995 in which to file a petition for an administrative proceeding.

Counsel for the Petitioner is writing to request an extension of time to and including Wednesday, May 31, 1995 in which to file a petition for administrative proceeding regarding the proposed permit amendment. This request is made pursuant to Florida Administrative Code Rule 62-103.070. As good cause for granting the requested extension of time for filing, U.S. Sugar would show the following:

1. On August 16, 1994, U.S. Sugar filed a proposal to resolve all outstanding RACT permit issues, in particular those involving proposed specific condition number 13, which establishes test methods for demonstrating compliance with the emission limits for volatile organic compounds (VOCs) and nitrogen oxides (NOX).
2. On December 2, 1994, U.S. Sugar and other members of the sugar cane industry met with representatives of the Department to discuss the VOC test method most

appropriate for bagasse-fired boilers. It was agreed that several bagasse-fired boilers would be stack tested by April 1, 1995 in order to obtain comparative data using methods 25 and 25A. The Department agreed to review the test results and issue amended RACT permits to the affected boilers, including Bryant Boiler No. 3, by May 31, 1995.

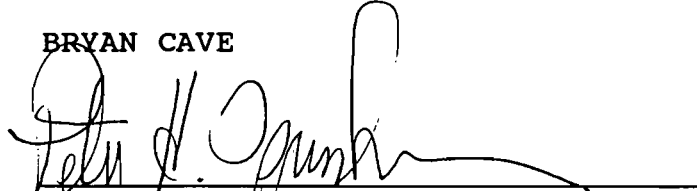
3. This request is filed as a protective measure to avoid waiver of U.S. Sugar's rights to challenge or request an administrative hearing on any provision of the proposed permit. Grant of this request will allow the Department the opportunity to complete its review of U.S. Sugar's August 16 submission and issue a final permit amendment that achieves a mutually acceptable resolution of U.S. Sugar's concerns without the need for initiation of formal administrative proceedings.

We discussed this request with the Department's assistant general counsel, Jefferson M. Braswell, Esq., on Tuesday, December 20, 1994. Accordingly, Counsel for the Petitioner respectfully requests that an extension of time be granted for the filing of a petition for administrative proceedings in regard of the Department's Air Operation Permit No. A050-182890 (Bryant Mill Boiler No. 3) to and including Wednesday, May 31, 1995.

If the requested extension of time is not granted for any reason, then this pleading and the prior requests for extensions (which are incorporated herein by reference) shall

constitute a petition filed pursuant to Florida Administrative Code Rule 17-103.155 for an administrative hearing on proposed specific permit conditions numbers 11, 12 and 13 added by the "Notice of Permit Amendment" to the air operation permit of Bryant Mill Boiler No. 3.

BRYAN CAVE

A handwritten signature in black ink, appearing to read 'Robert F. Van Voorhees', is written over a horizontal line. The signature is fluid and cursive.

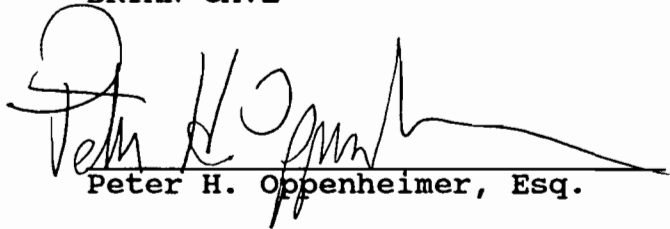
ROBERT F. VAN VOORHEES
PETER H. OPPENHEIMER
COUNSEL FOR U.S. SUGAR CORPORATION

700 13th Street, N.W., Suite 700
Washington, D.C. 20005-3960
Telephone: (202) 508-6067

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished by Federal Express overnight delivery to Jefferson M. Braswell, Esquire, 2600 Blair Stone Road, Tallahassee, FL 32399-2400, on this 2 day of January, 1995.

BRYAN CAVE



Peter H. Oppenheimer, Esq.

cc: Peter J. Ware, Director, DEP, Fort Myers Office
Kenneth J. Plante, Esq., General Counsel, DEP
Jefferson M. Braswell, Esq., Assistant General Counsel, DEP
Arthur E. Lyall, Engineer, DEP, Fort Myers Office
Sterling L. Jordan, DEP, Fort Myers Office
Jeffery F. Koerner, Engineer, Palm Beach County
R. Bruce Mitchell, DEP, Tallahassee
Murray Brinson, U.S. Sugar Corporation
Peter B. Briggs, U.S. Sugar Corporation
Don Griffin, U.S. Sugar Corporation
David A. Buff, P.E., KBN
Steven Neck, P.E., ACE

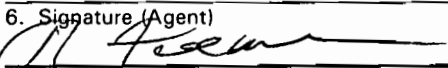
SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, and 4a & b.
- 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 next to the article number.

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. A. R. Mayo, VP U.S. Sugar Corp. P.O. Drawer 1207 Clewiston, FL 33440	4a. Article Number P 832 539 831
5. Signature (Addressee)	4b. Service Type <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
6. Signature (Agent) 	7. Date of Delivery JUL 29 1991
8. Addressee's Address (Only if requested and fee is paid)	8. Addressee's Address (Only if requested and fee is paid)

PS Form 3811, October 1990

U.S. GPO: 1990-273-861

DOMESTIC RETURN RECEIPT

P 832 539 831



Certified Mail Receipt

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

Sent to	A. R. Mayo
Street & No.	U.S. Sugar
P.O., State & ZIP Code	Clewiston, FL
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Address of Delivery	
TOTAL Postage & Fees	\$
Postmark or Date	7-26-91 BMB 1+3 A050-191891, 890

PS Form 3800, June 1990



Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

July 22, 1991

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. A. R. Mayo, Vice President
United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

Dear Mr. Mayo:

Re: Amendment of Permits
Bryant Mill Boilers Nos. 1 and 3

The Department is in receipt of Mr. Parker Thomson's June 13, 1991, letter requesting the permits for bagasse/No. 6 oil fired boilers Nos. 1 and 3 at your Bryant mill be amended to authorize an increase in the amount of soils that can be burned in these boilers. This request is acceptable. Permit Nos. AO 50-191891/AC 50-2041A for boiler No. 1 and permit Nos. AO 50-182890/AC 50-2043A for boiler No. 3 are amended to authorize up to 6,000 cubic yards of soil from the mill's property that is contaminated with "virgin" fuels (No. 2 and No. 6 oils) and "on-spec" used oil (lubricants) to be burned in these boilers at a rate of up to 10% by weight of the bagasse feed rate (wet) through the 1992 season and up to 500 cubic yards per year during future seasons. The soil must comply with F.A.C. Chapter 17-775. The boilers must comply with all conditions of their permits (including emission limits for all pollutants), and F.A.C. Chapter 17-2, when burning the maximum amount of contaminated soil (10% of the bagasse feed rate). Annual compliance tests are to be conducted while soil is being burned in the boilers. The permittee must keep records of the analysis and quantity of soil burned each season for a minimum of 2 years.

A copy of this letter must be filed with the referenced permits and shall become a part of those permits.

Sincerely,


Carol M. Browner
Secretary

CMB/plm

Attach: Mr. Parker Thomson's letter dated June 13, 1991.

c: David Knowles, S. Dist.
Parker Thomson, Attorney
Jim Stormer, PBCHD

THOMSON MURARO BOHRER & RAZOOK, P.A.

ATTORNEYS AT LAW
1700 AMERIFIRST BUILDING
ONE SOUTHEAST THIRD AVENUE
MIAMI, FLORIDA 33131

PARKER D. THOMSON

June 13, 1991

RECEIVED
JUN 17 1991

TELEPHONE
(305) 350-7200
TELECOPIER
(305) 374-1005

Division of Air
Resources Management

Mr. C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Regulation
Florida Dept. of Environmental Regulation
2600 Blair Stone Road
Twin Towers Office Building
Tallahassee, Florida 32399-2400

United States Sugar Corporation
Boiler #1 - AO-50-191891*/AC-50-2041A
Boiler #2 - AO-50-191899*/AC-50-2042A
Boiler #3 - AO-50-182890/AC-50-2043A

Dear Mr. Fancy:

By letter dated February 5, 1991 from Carol M. Browner, Secretary of DER to Mr. A. R. Mayo, Vice President, United States Sugar Corporation ("USSC") (attached as Exhibit A) and letter dated March 6, 1991 from Philip R. Edwards, Deputy Assistant Secretary of DER to Mr. Mayo (attached as Exhibit B), the above permits were amended to authorize the burning of certain soils during the 1991 and 1992 seasons and subsequent seasons at USSC's Bryant Mill.

The letter from Secretary Browner dated February 5, 1991 permitted burning of contaminated soil at approximately 2% of the bagasse feed rate, and required the conducting of annual compliance tests. The letter from Mr. Edwards dated March 6, 1991 states that USSC "is permitted to burn petroleum contaminated soils up to 10% of the bagasse feed rate for the purpose of stack testing at this higher feed rate. The burning of petroleum contaminated soils at this higher rate is limited to the time required for stack testing and shall not exceed two days."

Boilers #1 and #3 were used for the burning of the contaminated soil. Boiler #2 was not used and USSC does not intend to use it in the future for burning contaminated soils. Seven compliance tests in total were performed on these two boilers by Air Consulting and Engineering, Inc., four being conducted on Boiler #1 and three on Boiler #3. We are enclosing a tabulation of these tests with the dates performed, percent soil burned, particulate matter and volatile organic compounds emitted, together

* Boiler #1 previous operating permit was AO-50-116610. This number appears in Carol Browner's letter of February 5, 1991 and in the Final Determination. The renewed permit became effective February 19, 1991. Boiler #2 previous operating permit was AO-50-116613.

Mr. C. H. Fancy, P.E.
June 13, 1991
Page Two

with steam and bagasse rates (attached as Exhibit C). As you will notice, on the results of Boiler #1, two three-run tests were performed with 0% soil burned, with the results to be used as a standard for the other tests. The 2% burn test and the 10% burn test may then be compared to this standard. The particulate matter results show that neither the 2% burn or the 10% burn generated higher particulate matter than the 0% burns. The VOC results for Boiler #1 showed the 2% and the 10% burns did not generate higher emissions than the 0% burns. With respect to Boiler #3, one 0% burn was done for a standard. The results obtained from the tests made on Boiler #3 at 2% and 10% soil burns also showed no greater particulate matter or VOC than the 0% burn.

USSC concludes on review and interpretation of these emission results, that the amount of "contamination" in the soil is so low that no significant variance occurred in the emissions for particulate matter or VOC's and that the scattered results are due to the variability of bagasse combustion.

As specified in Secretary Browner's letter of February 5, 1991, the quantity of soil burned during the 1990-91 seasons was as follows:

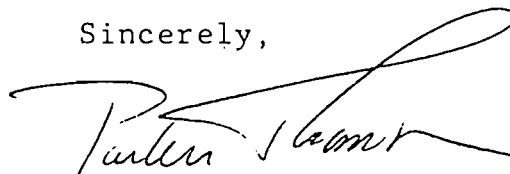
Boiler #1: 368.66 Tons
(389.3 cubic yards)

Boiler #3: 386.37 Tons
(408.0 cubic yards)

The Amendment of Permits Evaluation dated December 19, 1990, requires the permittee to analyze the soil prior to treatment and prior to disposal to show that it is in compliance with the Bureau of Waste Cleanup regulations. Tests were conducted during the period when soils were burned and noted that all results were in compliance with the Bureau's standards.

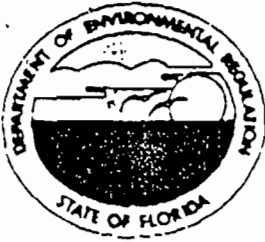
Based on the test burn results enclosed, we feel there is virtually no impact on the emissions as a result of burning the soil. Therefore, we request your permission as soon as possible, to allow us to burn the soils up to a 10% bagasse feed rate, enabling us to plan for the upcoming 1991-92 crop which will begin in October, 1991.

Sincerely,



PDT:pc
enclosures

cc: *H. Banks*
D. Knowles, 3 Dist.
G. Thomas, PBAND
LHF/BA



Florida Department of Environmental Regulation

Twin Towers Office Bldg. • 2000 Blair Stone Road • Tallahassee, Florida 32399-246.

Lawton Chiles, Governor

Carol M. Browner, Secretary

February 5, 1991

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. A. R. Mayo, Vice President
United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

Dear Mr. Mayo:

Re: Amendment of the Bryant Mill Permits

The Department is in receipt of Mr. Parker Thomson's November 12, 1990, letter requesting the permits for the bagasse/No. 6 oil fired boilers Nos. 1, 2, and 3 at your Bryant mill be amended to authorize the burning of soils from this mill's property that are contaminated with "virgin" fuels (No. 2 and No. 6 oils) and "on-spec" used oil (lubricants) in these boilers. This request is acceptable, with conditions. Permit numbers AO 50-116610/AC 50-2041A, Boiler No. 1; AO 50-116613/AC 50-2042A, Boiler No. 2; and AO 50-182890/AC 50-2043A, Boiler No. 3 are amended to authorize the burning of a total of 6,000 cubic yards of petroleum ("virgin" fuels and "on-spec" used oils) contaminated soil through the 1991 and 1992 seasons and up to 500 cubic yards during future seasons. The soil must comply with Chapter 17-775, F.A.C. The boilers must comply with the permits (including emission limits for all pollutants), and Chapter 17-2, F.A.C., when burning the maximum amount of contaminated soil (estimated at 2% of the bagasse feed rate) in the boilers. Annual compliance tests are to be conducted while burning soils. The permittee must keep records of the analysis and quantity of soil burned each season.

A copy of this letter must be filed with the referenced permits and shall become a part of those permits.

Sincerely,

Carol M. Browner, Secretary

CMB/plm

Attachment: Mr. Parker Thomson's letter dated November 12, 1990.

c: David Knowles, South Dist.
Parker Thomson, Attorney
Don Ehlenbeck, BWC
Jim Stormer, PBCHD

Final Determination on
Amendment of Permits

United States Sugar Corporation
Palm Beach, County
Bryant, Florida

<u>Sources</u>	<u>Permit Numbers</u>
Boiler No. 1	AO 50-116610/AC 50-2041A
Boiler No. 2	AO 50-116613/AC 50-2042A
Boiler No. 3	AO 50-182890/AC 50-2043A

Department of Environmental Regulation
Division of Air Resources Management
Bureau of Air Regulation

January 30, 1991

Final Determination on Permit Amendments

The Amendment of Permits Evaluation for the construction/operation permits that would allow contaminated soil to be burned in bagasse/No. 6 oil fired boiler Nos. 1, 2, and 3 at United States Sugar Corporation's Bryant Mill on U.S. Highway 98 in Bryant, Palm Beach County, Florida, was distributed on December 20, 1990. The Notice of Intent to Issue was published in The Palm Beach Post on January 2, 1991. Copies of the evaluation were available for public inspection at the Palm Beach County Health Department office in West Palm Beach and the Department offices in Fort Myers and Tallahassee.

The only comments received were from the permittee. In a letter dated January 16, 1991, United States Sugar Corporation requested permission to burn contaminated soil at a rate of up to 10% of the bagasse feed rate in these boilers, and to be allowed to burn the contaminated soil presently accumulated at the plant-site in two seasons instead of the 1990-1991 season. The request to burn at the higher (10%) rate is still under consideration by the Department, and action will be taken on it at a future date.

The Department believes there will be no measurable increase in emissions when the contaminated soil is fed into the boiler at 2% of the bagasse feed rate. The permittee's request to burn the accumulated contaminated soil over two instead of one season is acceptable to the Department.

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



Florida Department of Environmental Regulation

South District

2269 Bay Street

Fort Myers, Florida 33901-2896

Lawton Chiles, Governor

Carol M. Browner, Secretary

March 6, 1991

Mr. A. R. Mayo
Vice President
U. S. Sugar Corporation
Post Office Drawer 1207
Clewiston, Florida 33440

Re: Palm Beach County - AP --
U. S. Sugar Corporation
Bryant Boilers 1, 2 & 3

Dear Mr. Mayo:

Please refer to letter from Carol M. Browner, Secretary dated February 5, 1991 regarding amendment of the Bryant Mill permits.

This letter amends permits A050-191891 and A050-191899 to permit the burning of petroleum contaminated soils in accordance with Ms. Browner's letter. In addition, U. S. Sugar is permitted to burn petroleum contaminated soils up to 10% of the bagasse feed rate for the purpose of stack testing at this higher feed rate. The burning of petroleum contaminated soils at this higher rate is limited to the time required for stack testing and shall not exceed two days.

All other permit conditions remain as issued.

Sincerely,

Philip R. Edwards
Deputy Assistant Secretary

PRE/DMK/jw

EXHIBIT B

SOIL REMEDIATION PROJECT
 BRYANT SUGAR HOUSE
 PM & VOC EMISSIONS
 SOURCE TEST REPORTS


DATE	SOURCE		PARTICULATE MATTER		VOLATILE ORGANIC COMPOUNDS		STEAM RATE	BAGASSE RATE
			Lb/Hr.	LB/MM BTU	LB/Hr.	LB/MM BTU	PPH	Tons/Hr
3/11/91	No 1	0 %	50.80	0.164	470.46	1.534	160,263	44.77
3/12/91	No 1	2 %	39.96	0.122	123.11	0.377	167,114	46.61
3/13/91	No 1	10 %	45.47	0.155	430.04	1.478	151,344	42.34
3/14/91	No 1	0 %	44.88	0.160	610.94	2.157	145,518	40.68
3/15/91	No 3	2 %	52.27	0.184	657.43	2.326	146,447	40.88
3/25/91	No 3	0 %	80.26	0.286	726.26	2.575	145,302	40.30
3/26/91	No 3	10 %	68.21	0.233	633.81	2.164	151,096	41.84



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

Interoffice Memorandum

TO: Carol Browner
FROM: Steve Smallwood 
DATE: July 19, 1991
SUBJ: Amendment of Permits for Boilers Nos. 1 and 3
United States Sugar Corporation

Attached for your approval and signature is a letter that will amend the permits for two bagasse/No. 6 oil fired boilers at U.S. Sugar's Bryant Mill in Palm Beach County, Florida. The amendment will allow an increase in the quantity of contaminated soils that can be burned in these boilers.

Tests show the emissions from the boilers, when they are burning the higher quantities of soil, will comply with the permit restrictions.

I recommend your approval and signature for this request.

SS/plm

Attachment

U.S. Sugar
Corporation

RECEIVED

AUG 1 1994

Bureau of
Air Regulation

U.S. SUGAR CORPORATION
BRYANT MILL BOILER NO. 1,
DEP Permit No. A050-226999,

Petitioner,

vs.

OGC CASE NO. 94-1086

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION,

Respondent.

Mullard
FYI

**REQUEST FOR THIRD EXTENSION
OF TIME TO FILE PETITION FOR HEARING**

On March 10, 1994, U.S. Sugar Corporation (U.S. Sugar) received by certified mail the Department of Environmental Protection's "Notice of Permit Amendment" for Air Operation Permit No. A050-226999 (Bryant Mill Boiler No. 1).

On March 18, 1994, U.S. Sugar filed, and the Department subsequently granted, a request for an extension of time to and including April 29, 1994 in which to file a petition for administrative proceeding.

On April 26, 1994, U.S. Sugar filed, and the Department subsequently granted, a request for an extension of time to and including July 28, 1994 in which to file a petition for administrative proceeding.

Counsel for the Petitioner is writing to request an extension of time to and including Friday, September 30, 1994, in which to file a petition for administrative proceeding regarding the proposed permit amendment. This request is made pursuant to Florida Administrative Code Rule 17-103.070. As good cause for granting the requested extension of time for filing, U.S. Sugar would show the following:

1. Pursuant to discussions with Clair Fancy on June 8, 1994, it is our intention to seek a revision of proposed specific condition number 13, which sets forth test methods for demonstrating compliance with the emission limits for volatile organic compounds (VOCs) and nitrogen oxides (NOx).
2. On March 17, 1994, DEP's Division of Air Resources Management (DARM) issued guidance memorandum (DARM-EM-02) on the use of EPA Methods 18, 25 and 25A for measuring gas stream VOC concentrations. In conjunction with its engineering consultants, U.S. Sugar is evaluating the implications of this guidance memorandum, reviewing its emissions data and comparing it to other industry data. Once the underlying data is assembled and synthesized, U.S. Sugar expects to propose adoption of Method 25A to test for VOC emissions, using Method 18 to correct for methane. U.S. Sugar anticipates that it will submit its proposal together with the underlying data by early August

following discussions and coordination with other members of the sugar industry.

3. As occurs every year during the off-season, Bryant Mill Boiler No. 1 is not currently operating. It ceased operating in March 1994 and will not resume operating until October 1994. Therefore, the granting of this request for a third extension of time will have no affect on emissions at the facility or on air quality.
4. This request is filed as a protective measure to avoid waiver of U.S. Sugar's rights to challenge or request an administrative hearing on any provision of the proposed permit. Grant of this request will allow the parties an opportunity to discuss the permit conditions of interest and to achieve a mutually acceptable resolution of U.S. Sugar's concerns without the need for initiation of formal administrative proceedings.

We discussed this request with the Department's assistant general counsel, Jefferson M. Braswell, Esq., on Friday, July 22, 1994. Accordingly, Counsel for the Petitioner respectfully requests that an extension of time be granted for the filing of a petition for administrative proceedings in regard of the Department's Air Operation Permit No. AO50-226999 (Bryant Mill Boiler No. 1) to and including Friday, September 30, 1994.

If the requested extension of time is not granted for any reason, then this pleading and the prior requests for extensions (which are incorporated herein by reference) shall

constitute a petition filed pursuant to Florida Administrative Code Rule 17-103.155 for an administrative hearing on proposed specific permit conditions numbers 11, 12 and 13 added by the "Notice of Permit Amendment" to the air operation permit of Bryant Mill Boiler No. 1.

BRYAN CAVE



ROBERT F. VAN VORHEES
PETER H. OPPENHEIMER
COUNSEL FOR U.S. SUGAR CORPORATION

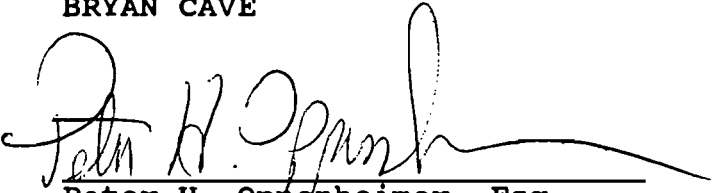
700 13th Street, N.W., Suite 700
Washington, D.C. 20005-3960
Telephone: (202) 508-6067

83063.01

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished by Federal Express overnight delivery to Jefferson M. Braswell, Esquire, 2600 Blair Stone Road, Tallahassee, FL 32399-2400, on this 26th day of July, 1994.

BRYAN CAVE



Peter H. Oppenheimer, Esq.

U.S. SUGAR CORPORATION
BRYANT MILL BOILER NO. 2,
DEP Permit No. AO50-191899,

Petitioner,

vs.

OGC CASE NO. 94-1087

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION,

Respondent.

**REQUEST FOR THIRD EXTENSION
OF TIME TO FILE PETITION FOR HEARING**

On March 10, 1994, U.S. Sugar Corporation (U.S. Sugar) received by certified mail the Department of Environmental Protection's "Notice of Permit Amendment" for Air Operation Permit No. AO50-191899 (Bryant Mill Boiler No. 2).

On March 18, 1994, U.S. Sugar filed, and the Department subsequently granted, a request for an extension of time to and including April 29, 1994 in which to file a petition for administrative proceeding.

On April 26, 1994, U.S. Sugar filed, and the Department subsequently granted, a request for an extension of time to and including July 28, 1994 in which to file a petition for administrative proceeding.

Counsel for the Petitioner is writing to request an extension of time to and including Friday, September 30, 1994, in which to file a petition for administrative proceeding regarding the proposed permit amendment. This request is made pursuant to Florida Administrative Code Rule 17-103.070. As good cause for granting the requested extension of time for filing, U.S. Sugar would show the following:

1. Pursuant to discussions with Clair Fancy on June 8, 1994, it is our intention to seek a revision of proposed specific condition number 13, which sets forth test methods for demonstrating compliance with the emission limits for volatile organic compounds (VOCs) and nitrogen oxides (NOx).
2. On March 17, 1994, DEP's Division of Air Resources Management (DARM) issued guidance memorandum (DARM-EM-02) on the use of EPA Methods 18, 25 and 25A for measuring gas stream VOC concentrations. In conjunction with its engineering consultants, U.S. Sugar is evaluating the implications of this guidance memorandum, reviewing its emissions data and comparing it to other industry data. Once the underlying data is assembled and synthesized, U.S. Sugar expects to propose adoption of Method 25A to test for VOC emissions, using Method 18 to correct for methane. U.S. Sugar anticipates that it will submit its proposal together with the underlying data by early August after

discussions and coordination with other members of the sugar industry.

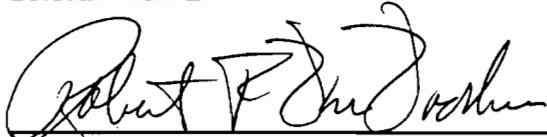
3. As occurs every year during the off-season, Bryant Mill Boiler No. 2 is not currently operating. It ceased operating in March 1994 and will not resume operating until October 1994. Therefore, the granting of this request for a third extension of time will have no affect on emissions at the facility or on air quality.
4. This request is filed as a protective measure to avoid waiver of U.S. Sugar's rights to challenge or request an administrative hearing on any provision of the proposed permit. Grant of this request will allow the parties an opportunity to discuss the permit conditions of interest and to achieve a mutually acceptable resolution of U.S. Sugar's concerns without the need for initiation of formal administrative proceedings.

We discussed this request with the Department's assistant general counsel, Jefferson M. Braswell, Esq., on Friday, July 22. Accordingly, Counsel for the Petitioner respectfully requests that an extension of time be granted for the filing of a petition for administrative proceedings in regard of the Department's Air Operation Permit No. A050-191899 (Bryant Mill Boiler No. 2) to and including Friday, September 30, 1994.

If the requested extension of time is not granted for any reason, then this pleading and the prior requests for extensions (which are incorporated herein by reference) shall

constitute a petition filed pursuant to Florida Administrative Code Rule 17-103.155 for an administrative hearing on proposed specific permit conditions numbers 11, 12 and 13 added by the "Notice of Permit Amendment" to the air operation permit of Bryant Mill Boiler No. 2.

BRYAN CAVE



ROBERT F. VAN VORHEES
PETER H. OPPENHEIMER
COUNSEL FOR U.S. SUGAR CORPORATION

700 13th Street, N.W., Suite 700
Washington, D.C. 20005-3960
Telephone: (202) 508-6067

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished by Federal Express overnight delivery to Jefferson M. Braswell, Esquire, 2600 Blair Stone Road, Tallahassee, FL 32399-2400, on this 26th day of July, 1994.

BRYAN CAVE


Peter H. Oppenheimer, Esq.

U.S. SUGAR CORPORATION
BRYANT MILL BOILER NO. 3,
DEP Permit No. AO50-182890

Petitioner,

vs.

OGC CASE NO. 94-1088

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION,

Respondent.

**REQUEST FOR THIRD EXTENSION
OF TIME TO FILE PETITION FOR HEARING**

On March 10, 1994, U.S. Sugar Corporation (U.S. Sugar) received by certified mail the Department of Environmental Protection's "Notice of Permit Amendment" for Air Operation Permit No. AO50-182890 (Bryant Mill Boiler No. 3).

On March 18, 1994, U.S. Sugar filed, and the Department subsequently granted, a request for an extension of time to and including April 29, 1994 in which to file a petition for administrative proceeding.

On April 26, 1994, U.S. Sugar filed, and the Department subsequently granted, a request for an extension of time to and including July 28, 1994 in which to file a petition for administrative proceeding.

Counsel for the Petitioner is writing to request an extension of time to and including Friday, September 30, 1994, in which to file a petition for administrative proceeding regarding the proposed permit amendment. This request is made pursuant to Florida Administrative Code Rule 17-103.070. As good cause for granting the requested extension of time for filing, U.S. Sugar would show the following:

1. Pursuant to discussions with Clair Fancy on June 8, 1994, it is our intention to seek a revision of proposed specific condition number 13, which sets forth test methods for demonstrating compliance with the emission limits for volatile organic compounds (VOCs) and nitrogen oxides (NOx).
2. On March 17, 1994, DEP's Division of Air Resources Management (DARM) issued guidance memorandum (DARM-EM-02) on the use of EPA Methods 18, 25 and 25A for measuring gas stream VOC concentrations. In conjunction with its engineering consultants, U.S. Sugar is evaluating the implications of this guidance memorandum, reviewing its emissions data and comparing it to other industry data. Once the underlying data is assembled and synthesized, U.S. Sugar expects to propose adoption of Method 25A to test for VOC emissions, using Method 18 to correct for methane. U.S. Sugar anticipates that it will submit its proposal together with the underlying data by early August after

discussions and coordination with other members of the sugar industry.

3. As occurs every year during the off-season, Bryant Mill Boiler No. 3 is not currently operating. It ceased operating in March 1994 and will not resume operating until October 1994. Therefore, the granting of this request for a third extension of time will have no affect on emissions at the facility or on air quality.


4. This request is filed as a protective measure to avoid waiver of U.S. Sugar's rights to challenge or request an administrative hearing on any provision of the proposed permit. Grant of this request will allow the parties an opportunity to discuss the permit conditions of interest and to achieve a mutually acceptable resolution of U.S. Sugar's concerns without the need for initiation of formal administrative proceedings.

We discussed this request with the Department's assistant general counsel, Jefferson M. Braswell, Esq., on Friday, July 22, 1994. Accordingly, Counsel for the Petitioner respectfully requests that an extension of time be granted for the filing of a petition for administrative proceedings in regard of the Department's Air Operation Permit No. A050-182890 (Bryant Mill Boiler No. 3) to and including Friday, September 30, 1994.

If the requested extension of time is not granted for any reason, then this pleading and the prior requests for extensions (which are incorporated herein by reference) shall

constitute a petition filed pursuant to Florida Administrative Code Rule 17-103.155 for an administrative hearing on proposed specific permit conditions numbers 11, 12 and 13 added by the "Notice of Permit Amendment" to the air operation permit of Bryant Mill Boiler No. 3.

BRYAN CAVE



ROBERT F. VAN VOORHEES
PETER H. OPPENHEIMER
COUNSEL FOR U.S. SUGAR CORPORATION

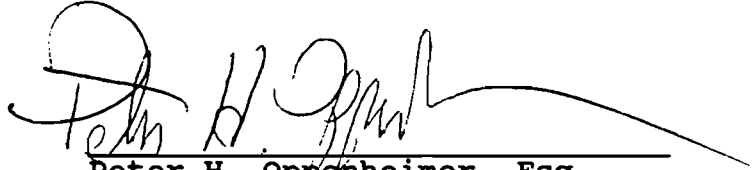
700 13th Street, N.W., Suite 700
Washington, D.C. 20005-3960
Telephone: (202) 508-6067

82651.01

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a true and correct copy of the foregoing has been furnished by Federal Express overnight delivery to Jefferson M. Braswell, Esquire, 2600 Blair Stone Road, Tallahassee, FL 32399-2400, on this 26th day of July, 1994.

BRYAN CAVE



Peter H. Oppenheimer, Esq.

Final Determination on
Amendment of Permits

United States Sugar Corporation
Palm Beach, County
Bryant, Florida

<u>Sources</u>	<u>Permit Numbers</u>
Boiler No. 1	AO 50-116610/AC 50-2041A
Boiler No. 2	AO 50-116613/AC 50-2042A
Boiler No. 3	AO 50-182890/AC 50-2043A

Department of Environmental Regulation
Division of Air Resources Management
Bureau of Air Regulation

January 30, 1991

Final Determination on Permit Amendments

The Amendment of Permits Evaluation for the construction/operation permits that would allow contaminated soil to be burned in bagasse/No. 6 oil fired boiler Nos. 1, 2, and 3 at United States Sugar Corporation's Bryant Mill on U.S. Highway 98 in Bryant, Palm Beach County, Florida, was distributed on December 20, 1990. The Notice of Intent to Issue was published in The Palm Beach Post on January 2, 1991. Copies of the evaluation were available for public inspection at the Palm Beach County Health Department office in West Palm Beach and the Department offices in Fort Myers and Tallahassee.

The only comments received were from the permittee. In a letter dated January 16, 1991, United States Sugar Corporation requested permission to burn contaminated soil at a rate of up to 10% of the bagasse feed rate in these boilers, and to be allowed to burn the contaminated soil presently accumulated at the plant site in two seasons instead of the 1990-1991 season. The request to burn at the higher (10%) rate is still under consideration by the Department, and action will be taken on it at a future date.

The Department believes there will be no measurable increase in emissions when the contaminated soil is fed into the boiler at 2% of the bagasse feed rate. The permittee's request to burn the accumulated contaminated soil over two instead of one season is acceptable to the Department.

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



Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

February 5, 1991

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. A. R. Mayo, Vice President
United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

Dear Mr. Mayo:

Re: Amendment of the Bryant Mill Permits

The Department is in receipt of Mr. Parker Thomson's November 12, 1990, letter requesting the permits for the bagasse/No. 6 oil fired boilers Nos. 1, 2, and 3 at your Bryant mill be amended to authorize the burning of soils from this mill's property that are contaminated with "virgin" fuels (No. 2 and No. 6 oils) and "on-spec" used oil (lubricants) in these boilers. This request is acceptable, with conditions. Permit numbers AO 50-116610/AC 50-2041A, Boiler No. 1; AO 50-116613/AC 50-2042A, Boiler No. 2; and AO 50-182890/AC 50-2043A, Boiler No. 3 are amended to authorize the burning of a total of 6,000 cubic yards of petroleum ("virgin" fuels and "on-spec" used oils) contaminated soil through the 1991 and 1992 seasons and up to 500 cubic yards during future seasons. The soil must comply with Chapter 17-775, F.A.C. The boilers must comply with the permits (including emission limits for all pollutants), and Chapter 17-2, F.A.C., when burning the maximum amount of contaminated soil (estimated at 2% of the bagasse feed rate) in the boilers. Annual compliance tests are to be conducted while burning soils. The permittee must keep records of the analysis and quantity of soil burned each season.

A copy of this letter must be filed with the referenced permits and shall become a part of those permits.

Sincerely,

Carol M. Browner, Secretary

CMB/plm

Attachment: Mr. Parker Thomson's letter dated November 12, 1990.

c: David Knowles, South Dist.
Parker Thomson, Attorney
Don Ehlenbeck, BWC
Jim Stormer, PBCHD



Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
NOTICE OF PERMIT AMENDMENTS

Mr. A. R. Mayo, Vice President
United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

January 22, 1991

Enclosed is an amendment to the permits for bagasse/No. 6 oil fired boilers Nos. 1, 2, and 3 at your Bryant Mill on U.S. Highway 98 in Bryant, Palm Beach County, Florida. This amendment is issued pursuant to Section 403, Florida Statutes.

Any party to this amendment has the right to seek judicial review of the amendment pursuant to Section 120.68, Florida Statutes, 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 Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; 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 days from the date this permit is filed with the Clerk of the Department.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

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

Copy furnished to:

David Knowles, South Dist.
Parker Thomson, Attorney
Don Ehlenbeck, BWC
Jim Stormer, PBCHD

Department of Environmental Regulation
Routing and Transmittal Slip

To: (Name, Office, Location)

1.

2.

3.

4.

Remarks:

Mr. Parker Thomson
Thomson Muraro Bohrer + Rayock, P.A.
1700 Ameri First Building
One Southeast Third Avenue
Miami, FL 33131

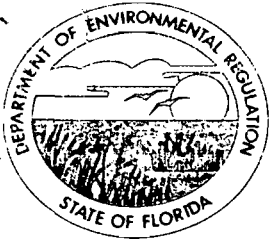
Don Ehlendorf
BWC

TT 072 C

From:

Date

Phone



Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

February 11, 1991

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. A. R. Mayo, Vice President
United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

Dear Mr. Mayo:

Attached is one copy of the Department's evaluation of your request to amend the permits for boilers Nos. 1, 2, 3, 5, and 6 at the Clewiston Mill.

Note that you are required to publish a Notice of Intent to Issue and the Department will be required to consider any public comments submitted in response to this notice prior to amending these permits. Also, you will have to comply with the Bureau of Waste Cleanup regulations (Rule 17-775, F.A.C.) when treating contaminated soil.

Please submit any written comments you wish to have considered concerning the Department's proposed action to Mr. Barry Andrews of the Bureau of Air Regulation.

Sincerely,

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

CHF/WH/plm

Attachments

c: David Knowles, South Dist.
Parker Thomson, Attorney
Don Ehlenbeck, BWC
Jim Stormer, PBCHD

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

AO 26-182886/AC 26-2028A
AO 26-186289/AC 503
AO 26-116616/AC 26-2030A
AO 26-147105/AC 26-2031A
AO 26-123705/AC 26-2032A

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its intent to issue an amendment (copy attached) to the referenced permits as detailed in the file specified above. The Department is issuing this Intent to Issue for the reasons stated in the attached Amendment of Permits Evaluations.

The permittee, United States Sugar Corporation, requested on January 11, 1991, that the Department of Environmental Regulation amend the current permits for the bagasse/oil fired boilers Nos. 1, 2, 3, 5, and 6 at their sugar mill located at W.C. Owens Avenue and Clewiston Street, Clewiston, Hendry County, Florida, to allow soils contaminated with "virgin" fuels (No. 2 and No. 6 oil) and "on-spec" used oil (lubricants) to be burned with the normal fuels in these boilers.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 17-2 and 17-4. The project is not exempt from permitting procedures. The Department has determined that air construction permit amendments are required for the proposed work.

Pursuant to Section 403.815, F.S. and DER Rule 17-103.150, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue. The notice shall be published one time only within 30 days, in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "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. The applicant shall provide proof of publication to the Department, at the address specified within seven days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permits.

The Department will issue the permit amendments with the attached conditions unless a petition for an administrative proceeding (hearing) is filed pursuant to the provisions of Section 120.57, F.S.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant and the parties listed below must be filed within 14 days of receipt of this intent. Petitions filed by other persons must be filed within 14 days of publication of the public notice or within 14 days of receipt of this intent, whichever first occurs. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information:

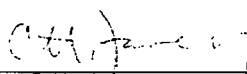
- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the applications have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office in General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such

person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



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

Copies furnished to:

David Knowles, South Dist.
Parker Thomson, Attorney
Don Ehlenbeck, BWC
Jim Stormer, PBCHD

BEST AVAILABLE COPY

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF INTENT TO ISSUE and all copies were mailed before the close of business on 2-12-91.

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to
§120.52(9), Florida Statutes, with
the designated Department Clerk,
receipt of which is hereby
acknowledged.

Kim Baker
Clerk

2-12-91
Date

State of Florida
Department of Environmental Regulation
Notice of Intent to Issue

The Department of Environmental Regulation hereby gives notice of its intent to issue an amendment to the existing permits that will authorize the burning of soil contaminated with "virgin" fuels (No. 2 and No. 6 oil) and "on-spec" used oil (lubricants) in the existing bagasse/oil fired boilers Nos. 1, 2, 3, 5, and 6 at U.S. Sugar Corporation's sugar mill, located at W.C. Owens Avenue and Clewiston Street, Clewiston, Hendry County, Florida. The allowable emissions and ambient air impact of the boilers will not change as a result of burning this soil. A determination of Best Available Control Technology (BACT) was not required. The Department is issuing this Intent to Issue for the reasons stated in the Amendment of Permits Evaluation.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the applications have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

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

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

Department of Environmental Regulation
South District
2269 Bay Street
Fort Myers, Florida 33901-2896

Palm Beach County Health Dept.
Division of Environmental Science
and Engineering
901 E. Evernia Street
West Palm Beach, Florida 33402

Any person may send written comments on the proposed action to Mr. Barry Andrews at the Department's Tallahassee address. All comments mailed within 14 days of the publication of this notice will be considered in the Department's final determination.

Amendment of Permits Evaluation

United States Sugar Corporation
Hendry, County
Clewiston, Florida

<u>Sources</u>	<u>Permit Numbers</u>
Boiler No. 1	AO 26-182886/AC 26-2028A
Boiler No. 2	AO 26-186289/AC 503
Boiler No. 3	AO 26-116616/AC 26-2030A
Boiler No. 5	AO 26-147105/AC 26-2031A
Boiler No. 6	AO 26-123705/AC 26-2032A

Department of Environmental Regulation
Division of Air Resources Management
Bureau of Air Regulation

February 11, 1991

I. General Information

A. Permittee

United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

B. Request

On January 11, 1991, the attorney for the permittee submitted a written request to amend the permits for bagasse/oil fired boilers Nos. 1, 2, 3, 5, and 6 at the sugar mill located at W.C. Owens Avenue and Clewiston Street, Clewiston, Hendry County, Florida. The amendment would authorize the burning of soils contaminated with "virgin" fuels (No. 2 and No. 6 fuel oil) and "on-spec" used oils (lubricants) in these boilers.

C. Emissions

Each boiler is currently permitted to burn bagasse and fuel oils. The allowable particulate matter emissions are 0.25 lbs/MMBtu (boilers Nos. 1 and 2) and 0.30 lbs/MMBtu (boilers Nos. 3, 5, and 6) for bagasse, and 0.10 lbs/MMBtu for fuel oil. The permittee has stated that the emissions from the scrubbers controlling these boilers will meet the permitted standards when the boilers are treating contaminated soil.

II. Rule Applicability

The proposed project, burning contaminated soil in existing bagasse/fuel oil fired boilers, is subject to Chapter 403, Florida Statutes, and Chapter 17-2 Florida Administrative Code.

The sources are in an area designated attainment for the criteria pollutants (F.A.C. Rule 17-2.420).

The boilers are major sources because emissions exceed 100 TPY. The proposed project is not subject to preconstruction review because it will not result in an increase in emissions.

The sources will remain subject to the restrictions in their current permits.

III. Technical Evaluation

Fuel leaks and spills have contaminated some soils at U.S. Sugar Corporation's Clewiston Mill. The contaminants are "virgin" No. 2 and No. 6 fuel oil and "on-spec" used oils from their own operation. The Department is not authorizing the boilers to burn contaminated soil from any other site.

Presently, the permittee has accumulated approximately 1,200 cubic yards of contaminated soil. They anticipate generating 500 cubic yards of contaminated soil each year.

The boilers are allowed to burn bagasse, No. 2 and No. 6 fuel oils, and "on-spec" used oil. The bagasse contains dirt from the fields which is not entirely removed in the crushing process and thus passes through the boilers. The permittee is requesting permission to add contaminated soil to the bagasse at approximately 2 to 10% of the rate by weight of the bagasse fuel. The oils will be evaporated from the soil and burned in the boilers. The flue gases containing the products of combustion will pass through scrubbers before being exhausted to the atmosphere. With low quantities (2%) of contaminated soil being fed to the boilers, the Department believes that the scrubbers will reduce the emissions to below the allowable limits in the permits for the boilers. The Department is proposing a permit amendment that will limit contaminated soil feed to the boilers to approximately 2% of the bagasse feed rate.

At higher rates (10%), the Department does not have reasonable assurance that the emissions of particulate matter or VOC from the boilers will remain the same. The proposed amendment will allow one test with a contaminated soil feed rate of up to 10% on each type of boiler. The Department will have to evaluate these test results before making a recommendation on allowing the burning of contaminated soil in these boilers at rates greater than 2% of the bagasse feed.

Chapter 17-775, F.A.C., requires the permittee to analyze the soil prior to treatment and prior to disposal to show that it is in compliance with the Bureau of Waste Cleanup regulations.

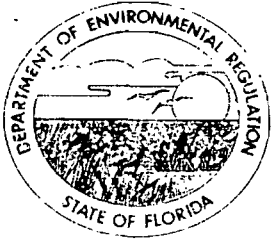
IV. Air Quality Analysis

As burning the contaminated soil in the boilers will not increase emissions, the ambient air impact of the sources will be unchanged.

V. Conclusion

Based on the information provided by U.S. Sugar Corporation, the Department has reasonable assurance that the proposed amendment to the existing permits for the bagasse/oil fired boilers at the Clewiston Mill, as described in this evaluation, and subject to the conditions proposed herein, will not cause or contribute to a violation of any air quality standard, PSD increment, or any other technical provision of Chapter 17-2 of the Florida Administrative Code.

Barry D. Anderson
36624
2-12-91



Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

February 11, 1991

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. A. R. Mayo, Vice President
United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

Dear Mr. Mayo:

Re: Amendment of the Clewiston Mill Permits

The Department is in receipt of Mr. Parker Thomson's January 11, 1991, letter requesting the permits for the bagasse/No. 6 oil fired boilers Nos. 1, 2, 3, 5, and 6 at your Clewiston Mill be amended to authorize the burning of soils from this mill's property that are contaminated with "virgin" fuels (No. 2 and No. 6 oils) and "on-spec" used oil (lubricants). Part of this request is acceptable, with conditions. Permit numbers AO 26-182886/AC 26-2028A, Boiler No. 1; AO 26-186289/AC 503, Boiler No. 2; AO 26-116616/AC 26-2030A, Boiler No. 3; AO 26-147105/AC 26-2031A, Boiler No. 5; and AO 26-123705/AC 50-2032A, Boiler No. 6 are amended to authorize the burning of a total of 1,200 cubic yards of petroleum ("virgin" fuels and "on-spec" used oils) contaminated soil through the 1990-1991 season and up to 500 cubic yards during each future season. The contaminated soil input rate shall not exceed 2% of the bagasse feed rate to the boilers. The permittee must also comply with Chapter 17-775, F.A.C. The boilers must comply with the permits (including emission limits for all pollutants), and Chapter 17-2, F.A.C., when burning the maximum amount of contaminated soil.

The permittee may conduct a test burn at contaminated soil feed rates of up to 10% of the bagasse feed rate on each type of boiler addressed in this amendment. Contaminated soil feed rate, particulate matter and volatile organic compounds emissions shall be measured during the test burn to allow a determination, based on the test protocol described in 40 CFR 60, Appendix C (July 1, 1988), of any actual emission rate increase. The Department will have to evaluate these test results before making a recommendation on allowing the burning of contaminated soil at rates greater than 2% of the bagasse feed.

Mr. A. R. Mayo
Page 2 of 2

Annual compliance tests are to be conducted while burning soils. The permittee must keep records of the analysis and quantity of soil burned each season.

A copy of this letter must be filed with the referenced permits and shall become a part of those permits.

Sincerely,

Carol M. Browner, Secretary

SS/WH/plm

Attachment: Mr. Parker Thomson's letter dated November 12, 1990.
U.S. Sugar Corporation letter dated January 16, 1991.

c: David Knowles, South Dist.
Parker Thomson, Attorney
Don Ehlenbeck, BWC
Jim Stormer, PBCHD

Attachments Available Upon Request

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
NOTICE OF PERMIT ISSUANCE

September 26, 19



CERTIFIED MAIL #P 483 939 079
RETURN RECEIPT REQUESTED

In the Matter of an Application
for Permit by:

A. R. Mayo, Vice President
U. S. Sugar Corporation
Post Office Box 1207
Clewiston, Florida 33440

RE: Hendry County - AP
U.S. Sugar Corporation
Boiler No. 1

Enclosed is Permit Number A026-182886 to operate the
above-referenced boiler, issued pursuant to Section(s) 403.087, Florida
Statutes (F.S.).

A person whose substantial interests are affected by this
permit may petition for an administrative proceeding (hearing) in
accordance with Section 120.57, F.S. The petition must contain
the information set forth below and must be filed (received) in
the Office of General Counsel of the Department at 2600 Blair
Stone Road, Tallahassee, Florida 32399-2400, within 14 days of
receipt of this Permit. Petitioner shall mail a copy of the
petition to the applicant at the address indicated above at the
time of filing. Failure to file a petition within this time
period shall constitute a waiver of any right such person may have
to request an administrative determination (hearing) under Section
120.57, F.S.

The Petition shall contain the following information:

(a) The name, address, and telephone number of each
petitioner, the applicant's name and address, the Department
Permit File Number and the county in which the project is
proposed;

(b) A statement of how and when each petitioner received
notice of the Department's action or proposed action;

(c) A statement of how each petitioner's substantial
interests are affected by the Department's action or proposed
action;

(d) A statement of the material facts disputed by Petitioner, if any;

(e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, Florida Administrative Code (F.A.C.).

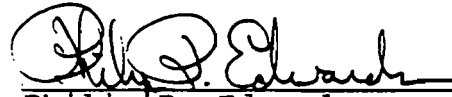
This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order 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 Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; 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 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Ft. Myers, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



Philip R. Edwards
Deputy Assistant Secretary
2269 Bay Street
Ft. Myers, FL 33901-2896
(813)332-6975

PRE/AEL/jsw

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on September 27, 1990 to the listed persons.

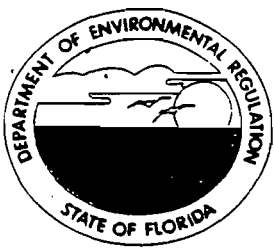
Clerk Stamp

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to
§120.52(9), Florida Statutes,
with the designated Department
Clerk, receipt of which is hereby
acknowledged.

Juanita Stager 9-27-90
(Clerk) (Date)

Copies furnished to:

KBN Engineering and Applied Sciences, Inc.



Florida Department of Environmental Regulation

South District • 2269 Bay Street • Fort Myers, Florida 33901-2896

813-332-6975
~~813-332-6975~~

Bob Martinez, Governor

Dale Twachmann, Secretary

John Shearer, Assistant Secretary
Philip Edwards, Deputy Assistant Secretary

PERMITTEE: U. S. Sugar Corporation
Post Office Box 1207
Clewiston, Florida 33440

I.D. Number: 52FTM260003/01
Permit/Certification Number: A026-182886
Date of Issue: September 26, 1990
Expiration Date: September 26, 1995
County: Hendry
Latitude/Longitude:
26° 44' 05" N
80° 56' 17" W
Section/Township/Range: 21 & 22/43S/34E
Project: U. S. Sugar, Clewiston

This permit is issued under the provisions of Chapter(s) 403.087, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawings(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Operation of boiler No. 1 with a steam production capacity of 235,000 lbs/hr maximum (24 hour average) fired with bagasse and supplemental No. 6 fuel oil. Emissions controlled by Joy Turbulaire impingement type scrubbers, size 125, Type D.

Plant located at W. C. Owens Avenue and Clewiston Street, Clewiston, Florida.

PERMITTEE: U. S. Sugar Corporation

I.D. Number: 52FIM260003/01

Permit/Certification Number: A026-182886

Date of Issue: September 26, 1990

Expiration Date: September 26, 1995

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S. the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

PERMITTEE: U. S. Sugar Corporation

I.D. Number: 52FTM260003/01

Permit/Certification Number: A026-182886

Date of Issue: September 26, 1990

Expiration Date: September 26, 1995

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law, and at reasonable times, access to the premises where the permitted activity is located or conducted to:

a. Have access to and copy any records that must be kept under conditions of the permit;

b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and

c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

a. A description of and cause of non-compliance; and

b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Rule 17-4.120 and 17-30.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

GENERAL CONDITIONS:

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
- () Compliance with New Source Performance Standards

14. The permittee shall comply with the following:

a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

1. the date, exact place, and time of sampling or measurements;
2. the person responsible for performing the sampling or measurements;
3. the date analyses were performed;
4. the person responsible for performing the analyses;
5. the analytical techniques or methods used;
6. the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

PERMITTEE: U. S. Sugar Corporation

I.D. Number: 52FTM260003/01
Permit/Certification Number: A026-182886
Date of Issue: September 26, 1990
Expiration Date: September 26, 1995

SPECIFIC CONDITIONS:

1. Particulate emissions tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the unit is capable of compliance at the permitted maximum operating rate. Test shall be conducted in accordance with EPA Method Five as published in 40 CFR-60, Appendix A, or State approved equivalent method. Such tests shall be conducted once per year commencing before February 15, 1991. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.
2. Particulate emissions shall not exceed 0.25 pounds per million BTU's of carbonaceous fuel heat input plus 0.10 pounds per million BTU's of fossil fuel heat input.
3. Visible emissions shall not exceed 30% opacity under normal operation except for up to 2 minutes in any one hour at not more than 40% opacity.
4. Sulfur content in fuel shall not exceed 2.5%.
5. An annual operation report (DER Form 17-1.202(6) attached) shall be submitted by March 1st each year. The attached form shall be reproduced by the permittee and used for future annual submittals. A fuel oil analysis shall be included with each submittal.
6. During any 24 hour period no more than 40,800 gallons of fuel oil shall be burned in all stationary fuel oil burning equipment at this facility. During any 3 hour period, no more than 6,300 gallons shall be burned.
7. The scrubber control system shall be equipped with instrumentation to monitor total pressure drop and inlet water pressure. Such instrumentation shall be properly maintained so as to be functional at all times.
8. Proper oil flow meters shall be installed to monitor the fuel oil being consumed.
9. All fugitive dust generated at this site shall be adequately controlled.
10. This facility shall be operated in such a fashion so as to preclude objectionable odors.
11. Stack sampling facilities provided by the owner shall be in accordance with the requirements of Chapter 17-2.700(4), Florida Administrative Code.

Note: In the event of an emergency the permittee shall contact the Department by calling (904)488-1320. During normal business hours, the permittee shall call (813)332-6975.

Issued this 26th day of September 1990

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION



Philip R. Edwards
Deputy Assistant Secretary

PRE/PRC/jsw

8 Pages Attached

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

APPLICATION FOR RENEWAL OF
PERMIT TO OPERATE AIR POLLUTION SOURCE(S)

If major alterations have occurred, the applicant should complete the Standard Air Permit Application Form.

Source Type: Bagasse Boiler #1-Clewiston Renewal of DER Permit No. A026-110300

Company Name: U.S. Sugar Corporation County: Hendry

Identify the specific emission point source(s) addressed in this application (i.e., Lime Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired):

Bagasse Boiler #1 with impingement scrubber

Source Location: Street: W.C. Owens Ave. and Clewiston St. City: Clewiston

UTM: East 17-505.9 North 2956.9

Latitude: 2 6 ° 4 4 ' 0 5"N Longitude: 8 0 ° 5 6 ' 1 7"W.

1. Attach a check made payable to the Department of Environmental Regulation in accordance with operation permit fee schedule set forth in Florida Administrative Code Rule 17-4.05.
2. Have there been any alterations to the plant since last permitted? Yes No
If minor alterations have occurred, describe on a separate sheet and attach.
3. Attach the last compliance test report required per permit conditions if not submitted previously. Previously submitted.
4. Have previous permit conditions been adhered to? Yes No If no, explain on a separate sheet and attach.
5. Has there been any malfunction of the pollution control equipment during tenure of current permit? Yes No If yes, and not previously reported, give brief details and what action was taken on a separate sheet and attach.
6. Has the pollution control equipment been maintained to preserve the collection efficiency last permitted by the Department? Yes No
7. Has the annual operating report for the last calendar year been submitted? Yes No If no, please attach.

8. Please provide the following information if applicable:

A. Raw Materials and Chemical Used in Your Process:

Description	Contaminant		Utilization	
	Type	%Wt	Rate	lbs/hr
Not Applicable				

B. Product Weight (lbs/hr): 200,000 lb/hr steam, normal operation
235,000 lb/hr (maximum 24-hour average)^a

C. Fuels

Type (Be Specific)	Consumption [*]		Maximum Heat Input (MMBTU/hr)
	Avg/hr [*]	Max/hr ^{**}	
Bagasse	117.163 lb/hr	137.667 lb/hr ^a	495.6 ^a
No. 6 Fuel Oil	1.0	9.9 ^a	65.35 ^a

D. Normal Equipment Operating Time: hrs/day 24; days/wk 7; wks/yr 20;
 hrs/yr (power plants only) _____; if seasonal, describe November - March

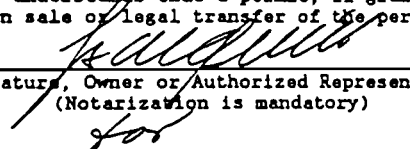
^aRefer to Attachment A for further explanation.

The undersigned owner or authorized representative^{***} of U.S. Sugar Corporation is fully aware that the statements made in this application for a renewal of a permit to operate an air pollution source are true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter 403, Florida Statutes, and all the rules and regulations of the Department. He also understands that a permit, if granted by the Department will be non-transferable and he will promptly notify the Department upon sale or legal transfer of the permitted facility.

^{*}During actual time of operation.

^{**}Units: Natural Gas-MCF/hr;
 Fuel Oils-barrels/hr; Coal-lbs/hr.

^{***}Attach letter of authorization if not previously submitted


 Signature, Owner or Authorized Representative
 (Notarization is mandatory)

A.R. Mayo, Vice-President
 Typed Name and Title

P.O. Box 1207
 Address

Clewiston FL 33440
 City State Zip

 Date Telephone No. (813) 983-8121

This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgement, that the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules and regulations of the department.

Signed David A. Buff

David A. Buff

Name (Please Type)

KBN Engineering and Applied Sciences, Inc.

Company Name (Please Type)

1034 N.W. 57th Street, Gainesville, FL 32605

Mailing Address (Please Type)

Florida Registration No. 19011 Date: 6/20/90 Telephone No. (904) 331-9000

ATTACHMENT A

Bagasse Boiler No. 1--Clewiston

DER Permit No. A026-110300

Item 8.B. Product Weight

This boiler can operate at 600 psig, 750°F and at 200 psig, 560°F. Under the first condition the maximum steam production is 235,000 lbs/hr (24 hour average). Under the second condition the maximum steam production is 252,314 lbs/hr (24 hour average). In both cases, the maximum 24-hour average heat input is 495.6 MM Btu/hr.

Item 8.C Fuels

The maximum heat input shown is based on the maximum 24-hour average steam rate of 235,000 lb/hr. The associated bagasse consumption is based on 3,600 Btu/lb for wet bagasse.

The amount of fuel oil shown in Item 8.C reflects normal averages and maximums. Under certain special situations such as yearly plant startups and very rare major production interruptions, the maximums shown may be exceeded for periods of limited duration. During these periods, the maximum will be approximately 40 bbl/hr (1,680 gal/hr) and 248 MM Btu/hr.



DEPARTMENT OF POLLUTION CONTROL

3201 GOLF COURSE BOULEVARD

PUNTA GORDA, FLORIDA 33950

PETER P. BALJET
EXECUTIVE DIRECTOR

July 15, 1974

DAVID H. LEVIN
CHAIRMAN

Mr. A. R. Mayo, V.P.
U. S. Sugar Corporation
Post Office Box 1207
Clewiston, Florida 33440

RE: Hendry Co. - AP
U. S. Sugar Corporation
Boiler #1

Dear Mr. Mayo:

Pursuant to your recent application, please find enclosed a permit (No.AC26-2028A) dated 7-12-74 to construct the subject pollution source.

This permit will expire on 7-1-75 , and will be subject to the conditions, requirements and restrictions checked or indicated otherwise in the attached sheet construction "Permit Conditions".

This permit is issued under the authority of Florida Statutes 403.016(16). The time limits imposed herein are a condition to this permit and are enforceable under Florida Statute 403.161. You are hereby placed on Notice that the Department will review this permit before the scheduled date of expiry and will seek court action for violation of the conditions and requirements of this permit.

You have ten (10) days from the date of receipt hereof within which to seek a review of the conditions and requirements contained in this permit.

Your continued cooperation in this matter is appreciated, and in future communication please refer to your permit number.

Yours truly,

Philip R. Edwards,
Regional Administrator

PRE/TWD/jp
Encls.

cc: Frank S. Kleeman, P.E.
Palm Beach CHD
DPC - Tallahassee

JOHN R. MIDDLEMAS
BOARD MEMBER

GEORGE RUPPEL
BOARD MEMBER

ALICE C. WAINWRIGHT
BOARD MEMBER

W. D. FREDERICK, JR.
BOARD MEMBER

STATE OF FLORIDA
DEPARTMENT OF POLLUTION CONTROL

CONSTRUCTION PERMIT

FOR U. S. SUGAR CORPORATION
POST OFFICE BOX 1207
CLEWISTON, FLORIDA 33440

PERMIT NO. AC26-2028A

DATE 7-12-74

PURSUANT TO THE PROVISION OF SECTION 403.061(16) OF CHAPTER 403, FLORIDA, STATUTES, AND CHAPTER 17-4, FLORIDA ADMINISTRATIVE CODE, THIS PERMIT IS ISSUED TO:
MR. A. R. MAYO, VICE PRESIDENT

FOR THE CONSTRUCTION OF:
JOY TURBULAIRE SIZE 125, TYPE D, IMPINGEMENT SCRUBBER
FOR BOILER #1

LOCATED AT: CLEWISTON SUGAR MILL, OWEN STREET, CLEWISTON
UTM EAST 7,505,938 NORTH 2,956,875

IN ACCORDANCE WITH THE APPLICATION DATED 4-22-74

AND IN CONFORMITY WITH THE STATEMENTS AND SUPPORTING DATA ENTERED THEREIN, ALL OF WHICH ARE FILED WITH THE DEPARTMENT AND ARE CONSIDERED A PART OF THIS PERMIT.

THIS PERMIT SHALL BE EFFECTIVE FROM THE DATE OF ITS ISSUANCE UNTIL 7-1-75 AND SHALL BE SUBJECT TO ALL APPLICABLE LAWS OF THE STATE AND THE RULES AND REGULATIONS OF THE DEPARTMENT.

Philip R. Edwards
PHILIP R. EDWARDS,
REGIONAL ADMINISTRATOR

PETER P. BALJET,
EXECUTIVE DIRECTOR

STATE OF FLORIDA
DEPARTMENT OF POLLUTION CONTROL
CONSTRUCTION PERMIT PROVISOS
AIR POLLUTION SOURCES

Permit No. AC26-2029A

Date: 7-12-74

- [X] 1. Construction of this installation shall be completed by 11-1-74.
- [X] 2. This construction permit expires on 7-1-75 following an initial period of operation for appropriate testing to determine compliance with the Rules of the Florida Pollution Control Board.
- [X] 3. All applicable rules of the Department including design discharge limitations specified in the application shall be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations prior to construction.
- [X] 4. The applicant shall continue the retention of the engineer of record for the inspection of the construction of this project. Upon completion the engineer shall inspect for conformity to construction permit applications and associated documents. A report of such inspection shall be submitted by the engineer to the Department of Pollution Control for consideration toward the issuance of an operation permit.
- [X] 5. This boiler shall be tested for particulates within 30 days after it is placed in operation. These test results are required prior to our issuance of an operation permit and shall be submitted in duplicate to the DPC Southwest Florida Regional Office 3201 Golf Course Blvd., Punta Gorda, Florida 33950
- [] 6. The operation of this installation shall be observed for visible emissions in accordance with Method (-Visible Determination of the Opacity of Emissions from Stationary Sources (Federal Register, December 23, 1971). The observation results are required prior to our issuance of an operation permit, and shall be submitted in duplicate to the DPC _____, Florida Regional Office,
- [] 7. Stack sampling for total particulate or other contaminant emissions shall be conducted if found by the DPC _____ Florida Regional Office to be necessary as a basis for the issuance of an operation permit.
- [X] 8. Satisfactory ladders, platforms, and other safety devices shall be provided/available as well as necessary ports to facilitate the carrying out of an adequate sampling program.

(OVER)

- [] 9. The following items are required prior to our issuance of an operation permit in addition to the engineer of record's report of inspection:
- (a) An emission report for total particulates and sulfur oxides based upon actual operations.
 - (b) A tabular summary of actual records of frequencies and durations of soot blowing as well as boiler blowdown characteristic and disposal practices.

These items are required prior to our issuance of an operation permit and shall be submitted in duplicate to the DPC _____
Florida Regional Office, _____

- [X] 10. There shall be no discharges of liquid effluents or contaminated runoff from the plant site.
- [] 11. All fugitive dust generated at this site shall be adequately controlled.
- (X) 12. Provisions shall be made to enable an accurate determination of bagasse and fuel oil feed rates.

July 18, 1974

Mr. S. K. Swayne

A. R. Mayo

Attached you will find the original construction permits
as follows:

Permit No. AC26-2028A:

Dated 7-12-74 - Scrubber for Clewiston Boiler #1

Permit No. AC26-2030A:

Dated 7-15-74 - Scrubber for Clewiston Boiler #3

Permit No. AC26-2029A:

Dated 7-12-74 - Scrubber for Clewiston Boiler #2


A. R. Mayo

/ccm

Attachments: (3 Construction Permits)



PERMITTED BY SOUTHWEST REGION DEPT. OF POLLUTION CONTROL PERMIT NO. AC26-2028A DATE 7/12/74

STATE OF FLORIDA DEPARTMENT OF POLLUTION CONTROL

If applicant is a corporation, a Certificate of Good Standing must be submitted with application.

This may be obtained, for a \$5.00 charge, from the Secretary of State, Bureau of Corporate Records, Tallahassee, Florida 32304.

APPLICATION TO OPERATE/CONSTRUCT POLLUTION SOURCES

PAID MAY 14 1974 60th Day SEP 12 1974 RECEIVED MAY 2 1974

SECTION I - GENERAL INFORMATION FOR ALL POLLUTION SOURCES I TO BE FILLED IN BY APPLICANT

Source Type: Air Pollution
Type application: [x] Operation [] Temporary Operation [] Construction
Status Source: [] New [x] Existing [] Modification
Source Name: U.S. Sugar Corp. Clewiston Mill
Source Location: Street: Foot of Owen St. City: Clewiston
UTM: East 7505938 North 2956875

Appl. Name and Title: A. R. Mayo, Vice President
Appl. Address: U.S. Sugar Corp. P.O. Box 1207 Clewiston, Fla. 33440

II TO BE FILLED IN BY REGION (*BY BUREAU OF PERMITTING)

Control No: Region County Type *Project

Type Permit Date Rec'd *Permit No. *Issue Date *Compl. Date *Exp. Date

Source Description:
Control Equipment:

Water Permits

Receiving Body Code: Station No.: Influent: Surface Water Code: Effluent:

Table with 4 columns: Effluent, Average, Design, % Reduction. Rows include Flow rate, MGD, BOD, lbs/day, Susp. Sol., lbs/day, Other.

Air Permits

Operating Time: [] Continuous [] Intermittent
Fuel: Type M-BTU/hr. In Put
Incinerator: Capacity, tons/day Type Waste
Mfg. & Model

Table with 4 columns: Pollutant Emissions, lbs/day, Actual, Design, Allowable. Rows include Particulate, Sulfur Oxides, Other.

E. Control Devices:

Name	Eff.	Conditions of Operation, Particle Size Range, etc.	Relate to Flow Diagram
Joy Turbulaire Impingement			
Scrubber Model No. (Type) D		65% 10 microns & up	D
Size 125, Serial No.	91%	35% under 10 microns	
74-477-04A			

F. Fuels:

Type (Be specific)	Daily Consumption		Heat Input BTU/hr.	Relate to Flow Diagram
	*	**		
Bagasse	927 T/day Range 0 - 1200	1082 T/day	325 x 10⁶	A
No. 6 Fuel Oil	8.2 T/day Range 0 - 12	9.6 T/day	14.8 x 10⁶	B

G. Describe briefly, without revealing trade secrets, the unit processes/operations generating the airborne emissions identified in this application:

See Addendum sheets and Process Flow Diagram.

H. Indicate liquid or solid wastes generated and method of disposal.

Scrubber water is used to sluice cane juice mud, which is impounded in settling ponds.

* At design capacity (150,000 lbs/hr steam)

** At operating capacity (175,000 lbs/hr steam)

ADDENDUM TO PERMIT APPLICATION
FOR
AIR POLLUTION SOURCES

Listed below are clarifications of some of the information required on the application form. All information submitted must be in the format outlined below. Space is also provided below for additional information not contained in the original form.

AIR POLLUTION SOURCES & CONTROL DEVICES:

Item: C 1) Show the derivation of process weight.

Item: C 3) Normal operating time must be given as Hrs/Day, Days/Week and Weeks/Year.

If seasonal, give % operation by month.

Contaminants must include but not limited to: particulate matter, sulfur oxides, carbon monoxide, hydrocarbons and nitrogen oxides. This information must be submitted even though an applicable standard may not exist.

Also give actual discharge of each contaminant in lbs/hr and tons/yr.

Item: E In the space provided for Name, give model number and serial number of control device.

On separate page, give basis for efficiency on the process, i. e. calculations, (Do not give a general efficiency).

Item: F Include the commercial standard number of fuel oil and % sulfur, e.g. No. 6 fuel oil with 2.5% sulfur.

In the space provided for daily consumption, give mean and extremes.

Heat input must be the design capacity.

If application is for boiler, include manufacturer, model no. and serial no.

ADDITIONAL INFORMATION REQUIRED:

1. Flow diagram of process (without revealing trade secrets)
2. Plot plan
3. Stack data:

Height (ft.): 75
Diameter (ft.): 7.3
Temperature (°F): 160 (exit)
Flow Rate (ft/min.) 4240 at 30" Hg.

Item D Emission Calculations

Stack emissions tests were conducted by V.S. SUGAR
 on Boiler #2 on Nov. 13, 14 + 15, 1973.

Particulate emissions were determined as follows: Lbs/hr.
Oil
Generated Used

Run No.	_____	_____	lbs/hr.
Run No.	_____	_____	" "
Run No.	_____	_____	" "

Average 76.9 lbs/hr. 158,300

$$76.9 \times \frac{175,000}{158,300} = 85.0 \text{ LBS/HR ANTICIPATED PARTICULATE EMISSION AT OPERATING CAPACITY OF 175,000 LBS/HR STEAM}$$

$$\frac{85.0 \times 24 \times 150}{2000} = 153 \text{ Tons/yr Particulates}$$

SO₂ emissions calculated from following formula:
 (Dept. H.E.W. Pub. No. AP-52, p. 106)

Lbs. S per 1000 gals. oil burned = 158.8 x %S content of oil

$$\frac{800 \text{ lbs/hr oil}}{1000 \times 8.0 \text{ lbs/gal}} \times 158.8 \times 2.4 = 38.1 \text{ lbs/hr SO}_2$$

$$38.1 \times 24 = 915 \text{ lbs/day SO}_2 \quad \frac{915 \times 150}{2000} = 68.6 \text{ tons/yr}$$

NO_x emissions were calculated from the following formulae:
 (PHS Pub. No. 999-AP-29)

For No. 6 Oil NO_x = 104 lbs./1000 gal.

For Bagasse NO_x = 0.3 lb./10⁶ Btu Heat Input

$$\frac{800}{8.0 \text{ lbs/gal}} = 100 \text{ gal/hr Oil}$$

$$\text{NO}_x \text{ (Oil)} = \frac{100}{1000} \times 104 = 10.4 \text{ lbs/hr} \times 24 = 250 \text{ lbs/day}$$

$$\text{NO}_x \text{ (Bagasse)} = \frac{90,200}{3600} \times 3600 = 324.7 \times 10^6 \text{ Btu/hr.}$$

$$\frac{324.7}{10^6} \times 0.3 = 97.4 \text{ lbs/hr. NO}_x$$

$$\text{Total NO}_x = 10.4 + 97.4 = 107.8 \text{ lbs/hr.}$$

$$\frac{(10.4) \times 24 \times 150}{2000} = 18.7 \text{ tons/yr NO}_x \text{ from Oil}$$

$$\frac{(97.4) \times 24 \times 150}{2000} = 175.3 \text{ tons/yr NO}_x \text{ from Bagasse}$$

$$18.7 + 175.3 = 194 \text{ tons/yr NO}_x \text{ Total}$$

CALCULATION OF ALLOWABLE PARTICULATE EMISSIONS

Allowable Particulates:

0.3 lbs. per 10⁶ BTU of Heat Input from Bagasse
 0.1 lbs. per 10⁶ BTU of Heat Input from Oil

Heat Input (bagasse) 324.7 x 10⁶ BTU per hour
 Heat Input (oil) 14.8 x 10⁶ BTU per hour

$$\begin{aligned}
 & \left(\frac{324.7}{97.4} \times 0.3 \right) + \left(\frac{14.8}{1.5} \times 0.1 \right) = \frac{98.9}{\text{lbs./hr.}} \\
 & \hspace{15em} \text{Allowable Particulate Emissions}
 \end{aligned}$$

ITEM E

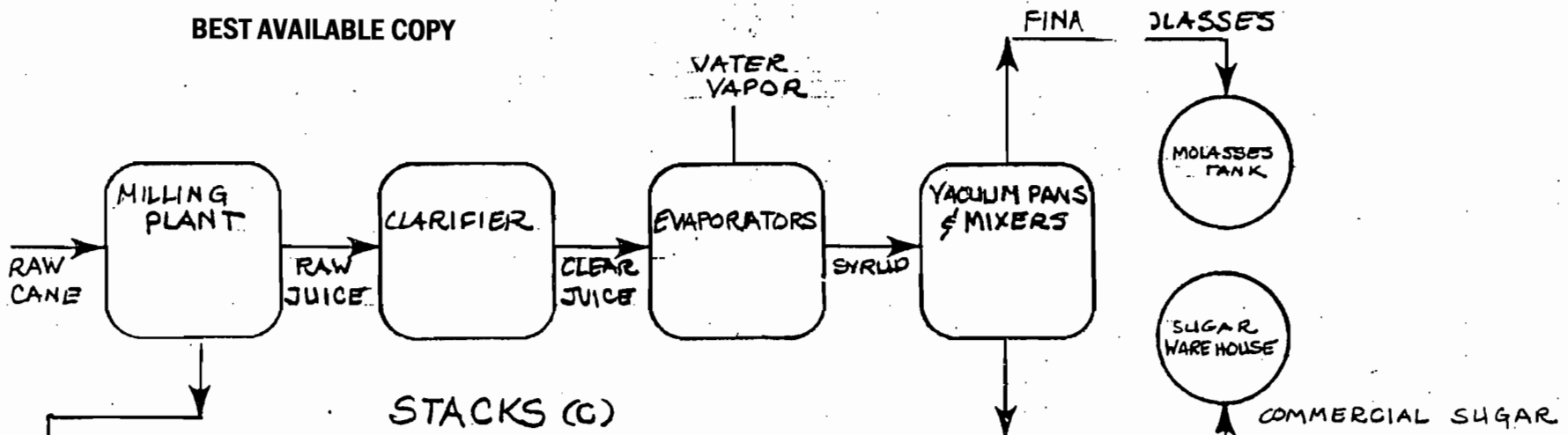
CALCULATION OF SCRUBBER EFFICIENCY

Inlet particulate loading to the scrubbers was calculated utilizing emission test results performed on BRYANT #1 & #2 BOILERS which are similar in design capacity. Results of tests (see the attached report(s)) were as follows:

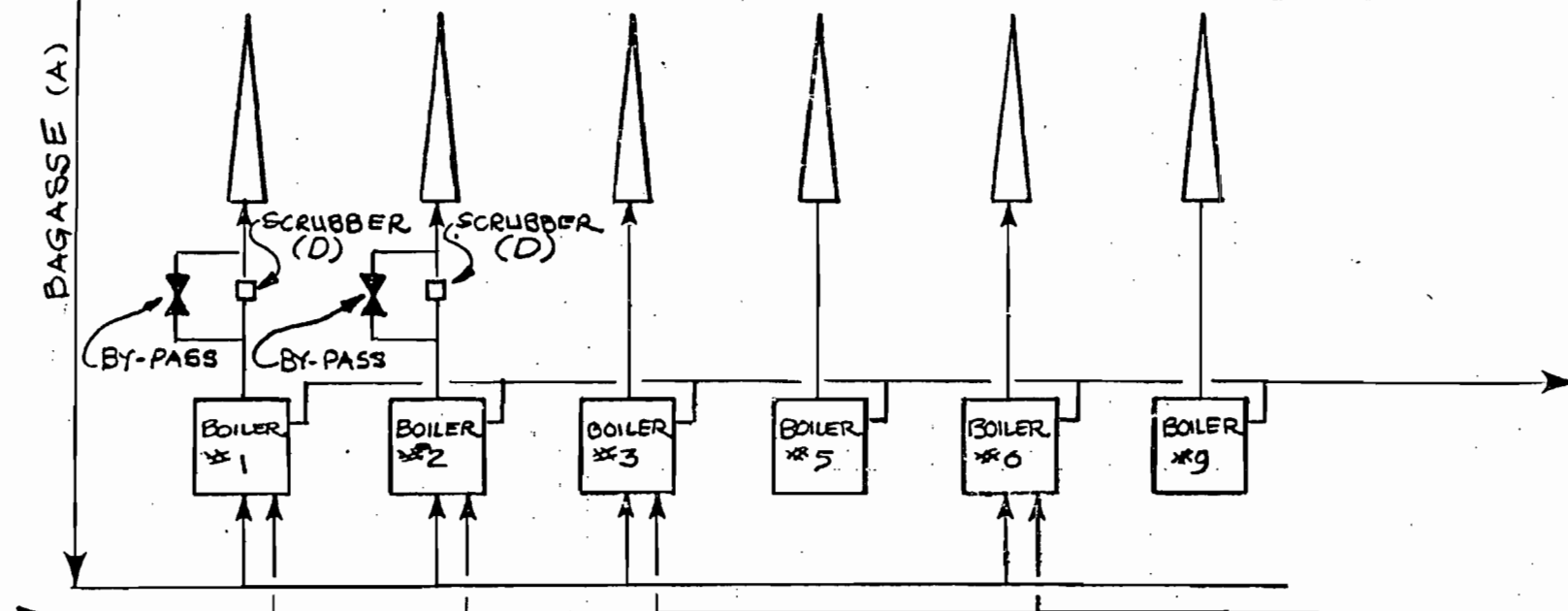
TEST #	<u>38</u>	During	<u>3-12-74</u>	<u>808</u>	lbs./hr.
TEST #	<u>39</u>	During	<u>3-12-74</u>	<u>499</u>	lbs./hr.
TEST #	_____	During	_____	_____	lbs./hr.
AVERAGE				<u>654</u>	lbs./hr.
AVERAGE EMISSIONS FROM SCRUBBERS			(#2 boiler)	<u>58.1</u>	lbs./hr.

$$\begin{aligned}
 \text{Scrubber Efficiency} &= \frac{654 - 58.1}{654} \times 100 \\
 &= \frac{595.9}{654} \\
 &= \underline{91\%}
 \end{aligned}$$

BEST AVAILABLE COPY



STACKS (C)



BUNKER-C FUEL OIL (B)

NOTE:

BOILERS #5 & #9 NOT IN SERVICE DURING '73/'74 PROCESSING SEASON.

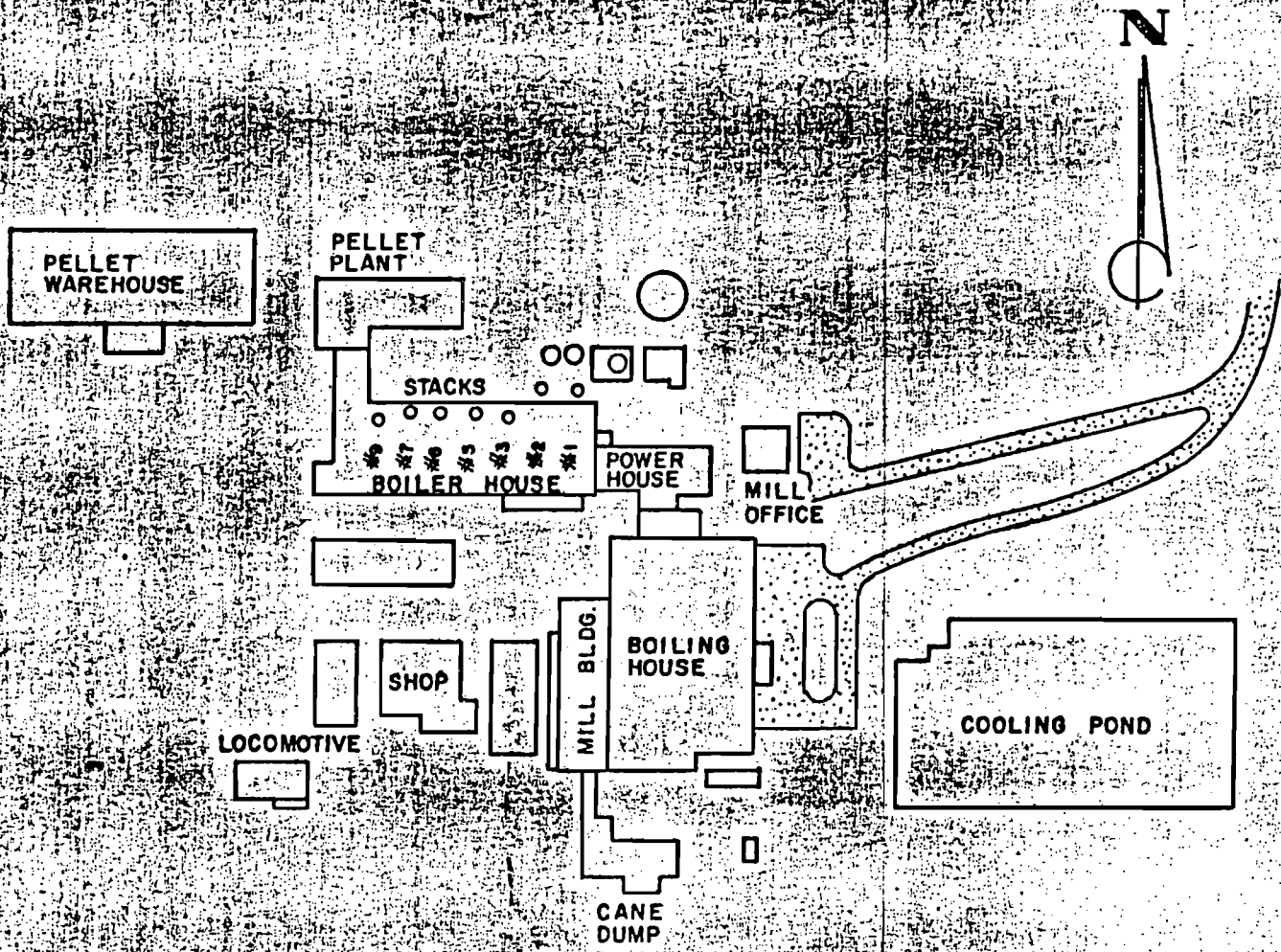
KLEEMAN ENGINEERING, INC.
1507 N.W. 47th AVE • Ft. Lauderdale, Fla. 33313

SCALE: NONE	APPROVED BY:	DRAWN BY R.L.P.
DATE: 4/19/74		REVISED

SCHEMATIC PROCESS FLOW DIAGRAM
U.S. Sugar Corp. - Clewiston Mill - Clewiston, Fla.

Proj. No(s). 03-74-0145, 0146 & 0153

DRAWING NUMBER

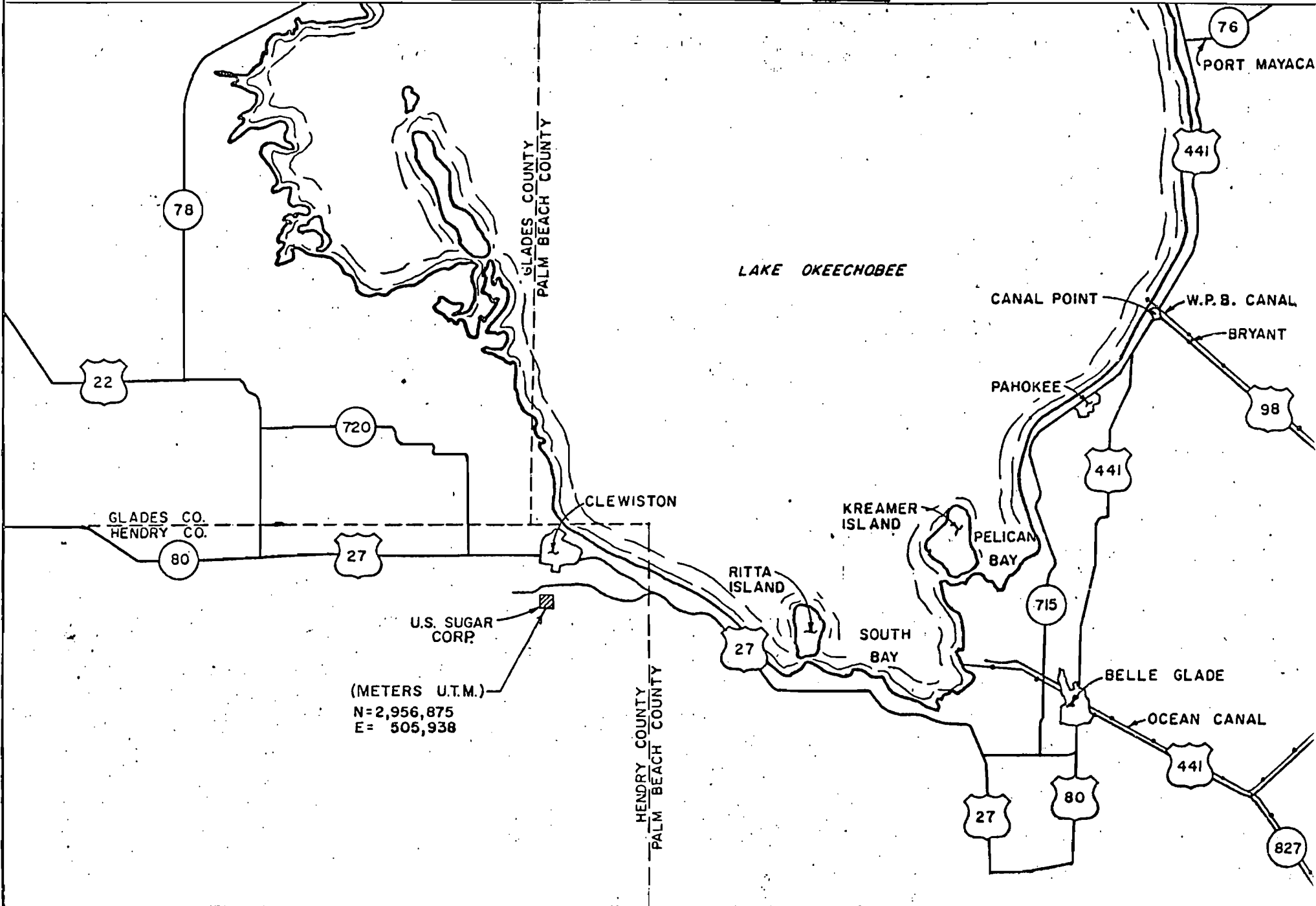


PLOT PLAN

U.S. SUGAR CORP.
CLEWISTON, FLORIDA

U.S. SUG. CORP.
CLEWISTON, FLA.

LOCATION OF U.S. SUGAR CORP WITH
RESPECT TO SURROUNDING AREA



STATEMENTS BY APPLICANT AND ENGINEER

A. Applicant

The undersigned owner or authorized representative of * U.S. Sugar Corp. is fully aware that the statements made in this application for a Construct permit are true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter 403 Florida Statutes and all the rules and regulations of the Department or revisions thereof. He also understands that a permit, if granted by the Department, will be non-transferable and he will promptly notify the Department upon sale or legal transfer of the permitted establishment.

A. R. Mayo

Signature of the Owner or Authorized Representative

A. R. Mayo, Vice President

Name and Title (Please Type)

Date: April 22, 1974 Telephone No.: (813) 983-8121

* Attach a letter of authorization

B. Professional Engineer Registered in Florida:

This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the control and discharge of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that the pollution source(s) with appropriate control facilities, when properly maintained and operated, will comply with all applicable statutes of the State of Florida and the rules and regulations of the Department. It is also agreed that the undersigned will furnish the applicant a set of instructions for the proper maintenance and operation of the installation covered in this application.

Signature Frank S. Kleeman

Kleeman Engineering, Inc.
Mailing Address: 1507 N.W. 47th Ave.
Et. Lauderdale, Fla. 33313

Name: Frank S. Kleeman, P.E.
(please type)

Telephone No.: (305) 731-9121

Florida Registration Number 13622
(Please affix seal)

Date: April 19, 1974

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
NOTICE OF PERMIT ISSUANCE

September 26, 1990



CERTIFIED MAIL #P 483 939 080
RETURN RECEIPT REQUESTED

In the Matter of an Application
for Permit by:

A. R. Mayo, Vice President
U. S. Sugar Corporation
Post Office Box 1207
Clewiston, Florida 33440

RE: Hendry County - AP
U.S. Sugar Corporation
Boiler No. 2

Enclosed is Permit Number A026-186289 to operate the
above-referenced boiler, issued pursuant to Section(s) 403.087, Florida
Statutes (F.S.).

A person whose substantial interests are affected by this
permit may petition for an administrative proceeding (hearing) in
accordance with Section 120.57, F.S. The petition must contain
the information set forth below and must be filed (received) in
the Office of General Counsel of the Department at 2600 Blair
Stone Road, Tallahassee, Florida 32399-2400, within 14 days of
receipt of this Permit. Petitioner shall mail a copy of the
petition to the applicant at the address indicated above at the
time of filing. Failure to file a petition within this time
period shall constitute a waiver of any right such person may have
to request an administrative determination (hearing) under Section
120.57, F.S.

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each
petitioner, the applicant's name and address, the Department
Permit File Number and the county in which the project is
proposed;
- (b) A statement of how and when each petitioner received
notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial
interests are affected by the Department's action or proposed
action;

(d) A statement of the material facts disputed by Petitioner, if any;

(e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, Florida Administrative Code (F.A.C.).

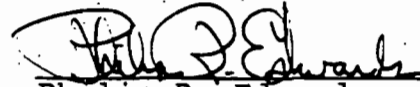
This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order 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 Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; 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 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Ft. Myers, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


Philip R. Edwards
Deputy Assistant Secretary
2269 Bay Street
Ft. Myers, FL 33901-2896
(813)332-6975

PRE/AEL/jsw

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on September 27, 1990 to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to
§120.52(9), Florida Statutes,
with the designated Department
Clerk, receipt of which is hereby
acknowledged.


(Clerk) 9-27-90
(Date)

Copies furnished to:

KBN Engineering and Applied Sciences, Inc.



Florida Department of Environmental Regulation

South District • 2269 Bay Street • Fort Myers, Florida 33901-2896

813-332-6975

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary
Philip Edwards, Deputy Assistant Secretary

PERMITTEE: U. S. Sugar Corporation
Post Office Box 1207
Clewiston, Florida 33440

I.D. Number: 52FIM260003/02
Permit/Certification Number: A026-186289
Date of Issue: September 26, 1990
Expiration Date: September 26, 1995
County: Hendry
Latitude/Longitude:
26° 44' 05" N
80° 56' 17" W
Section/Township/Range: 21 & 22/43S/34E
Project: U. S. Sugar, Clewiston

This permit is issued under the provisions of Chapter(s) 403.087, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawings(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Operation of boiler No. 2 with a steam production capacity of 235,000 lbs/hr maximum (24 hour average) fired with bagasse and supplemental No. 6 fuel oil. Emissions controlled by Joy Turbulaire impingement type scrubbers, size 125, Type D.

Plant located at W. C. Owens Avenue and Clewiston Street, Clewiston, Florida.

PERMITTEE: U. S. Sugar Corporation

I.D. Number: 52FTM260003/02

Permit/Certification Number: A026-186289

Date of Issue: September 26, 1990

Expiration Date: September 26, 1995

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S. the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

PERMITTEE: U. S. Sugar Corporation

I.D. Number: 52FTM260003/02

Permit/Certification Number: A026-186289

Date of Issue: September 26, 1990

Expiration Date: September 26, 1995

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law, and at reasonable times, access to the premises where the permitted activity is located or conducted to:

a. Have access to and copy any records that must be kept under conditions of the permit;

b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and

c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

a. A description of and cause of non-compliance; and

b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Rule 17-4.120 and 17-30.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

PERMITTEE: U. S. Sugar Corporation

I.D. Number: 52FIM260003/02

Permit/Certification Number: A026-186289

Date of Issue: September 26, 1990

Expiration Date: September 26, 1995

GENERAL CONDITIONS:

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
- () Compliance with New Source Performance Standards

14. The permittee shall comply with the following:

a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

1. the date, exact place, and time of sampling or measurements;
2. the person responsible for performing the sampling or measurements;
3. the date analyses were performed;
4. the person responsible for performing the analyses;
5. the analytical techniques or methods used;
6. the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

SPECIFIC CONDITIONS:

1. Particulate emissions tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the unit is capable of compliance at the permitted maximum operating rate. Test shall be conducted in accordance with EPA Method Five as published in 40 CFR-60, Appendix A, or State approved equivalent method. Such tests shall be conducted once per year commencing before February 15, 1991. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.
2. Particulate emissions shall not exceed 0.25 pounds per million BTU's of carbonaceous fuel heat input plus 0.10 pounds per million BTU's of fossil fuel heat input.
3. Visible emissions shall not exceed 30% opacity under normal operation except for up to 2 minutes in any one hour at not more than 40% opacity.
4. Sulfur content in fuel shall not exceed 2.5%.
5. An annual operation report (DER Form 17-1.202(6) attached) shall be submitted by March 1st each year. The attached form shall be reproduced by the permittee and used for future annual submittals. A fuel oil analysis shall be included with each submittal.
6. During any 24 hour period no more than 40,800 gallons of fuel oil shall be burned in all stationary fuel oil burning equipment at this facility. During any 3 hour period, no more than 6,300 gallons shall be burned.
7. The scrubber control system shall be equipped with instrumentation to monitor total pressure drop and inlet water pressure. Such instrumentation shall be properly maintained so as to be functional at all times.
8. Proper oil flow meters shall be installed to monitor the fuel oil being consumed.
9. All fugitive dust generated at this site shall be adequately controlled.
10. This facility shall be operated in such a fashion so as to preclude objectionable odors.
11. Stack sampling facilities provided by the owner shall be in accordance with the requirements of Chapter 17-2.700(4), Florida Administrative Code.


Note: In the event of an emergency the permittee shall contact the Department by calling (904)488-1320. During normal business hours, the permittee shall call (813)332-6975.

Issued this 26th day of September 1990

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION


Philip R. Edwards
Deputy Assistant Secretary

PRE/PRC/jsw

 Pages Attached

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

APPLICATION FOR RENEWAL OF
PERMIT TO OPERATE AIR POLLUTION SOURCE(S)

If major alterations have occurred, the applicant should complete the Standard Air Permit Application Form.

Source Type: Bagasse Boiler #2 - Clewiston Renewal of DER Permit No. A026-116614

Company Name: U.S. Sugar Corporation County: Hendry

Identify the specific emission point source(s) addressed in this application (i.e., Lime Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired):

Bagasse Boiler #2 with impingement scrubber

Source Location: Street: W.C. Owens Ave. and Clewiston Street City: Clewiston

UTM: East 17-505.9 North 2956.9

Latitude: 2 6° 4 4' 0 5"N Longitude: 8 0° 5 6' 1 7"W

1. Attach a check made payable to the Department of Environmental Regulation in accordance with operation permit fee schedule set forth in Florida Administrative Code Rule 17-4.05.
2. Have there been any alterations to the plant since last permitted? [] Yes [X] No
If minor alterations have occurred, describe on a separate sheet and attach.
3. Attach the last compliance test report required per permit conditions if not submitted previously. Previously submitted.
4. Have previous permit conditions been adhered to? [X] Yes [] No If no, explain on a separate sheet and attach.
5. Has there been any malfunction of the pollution control equipment during tenure of current permit? [] Yes [X] No If yes, and not previously reported, give brief details and what action was taken on a separate sheet and attach.
6. Has the pollution control equipment been maintained to preserve the collection efficiency last permitted by the Department? [X] Yes [] No
7. Has the annual operating report for the last calendar year been submitted? [X] Yes [] No If no, please attach.

8. Please provide the following information if applicable:

BEST AVAILABLE COPY

A. Raw Materials and Chemical Used in Your Process:

Description	Contaminant		Utilization	
	Type	%Wt	Rate	lbs/hr
Not Applicable				

B. Product Weight (lbs/hr): 200,000 lb/hr steam, normal operation
235,000 lb/hr maximum (24 hour average)*

C. Fuels

Type (Be Specific)	Consumption		Maximum Heat Input (MMBTU/hr)
	Avg/hr	Max/hr**	
Bagasse	117,163 lb/hr	137,667 lb/hr*	495.6*
No. 6 Fuel Oil	1.0	9.9*	64.35*

D. Normal Equipment Operating Time: hrs/day 24; days/wk 7; wks/yr 140;
 hrs/yr (power plants only) ; if seasonal, describe November - March

*Refer to Attachment A for further explanation.

The undersigned owner or authorized representative*** of U.S. Sugar Corp. is fully aware that the statements made in this application for a renewal of a permit to operate an air pollution source are true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter 403, Florida Statutes, and all the rules and regulations of the Department. He also understands that a permit, if granted by the Department will be non-transferable and he will promptly notify the Department upon sale or legal transfer of the permitted facility.

*During actual time of operation.

**Units: Natural Gas-MCF/hr;
 Fuel Oils-barrels/hr; Coal-lbs/hr.

***Attach letter of authorization if not previously submitted

A.R. Mayo
 Signature, Owner or Authorized Representative
 (Notarization is mandatory)

A.R. Mayo, Vice President
 Typed Name and Title

P.O. Box 1207
 Address

Clewiston FL 33440
 City State Zip

(813) 983-8121
 Date Telephone No.

This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgement, that the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules and regulations of the department.

Signed David A. Buff

David A. Buff

Name (Please Type)

KBN Engineering and Applied Sciences, Inc.

Company Name (Please Type)

1034 N.W. 57th Street, Gainesville, FL 32605

Mailing Address (Please Type)

Florida Registration No. 19011 Date: 6/20/90 Telephone No. (904) 331-9000

ATTACHMENT A

Bagasse Boiler No. 2--Clewiston

DER Permit No. AO26-116614

Item 8.B. Product Weight

This boiler can operate at 600 psig, 750°F and at 200 psig, 560°F. Under the first condition the maximum steam production is 235,000 lbs/hr (24 hour average). Under the second condition the maximum steam production is 252,314 lbs/hr (24 hour average). In both cases, the maximum 24-hour average heat input is 495.6 MM Btu/hr.

Item 8.C Fuels

The maximum heat input shown is based on the maximum 24-hour average steam rate of 235,000 lb/hr. The associated bagasse consumption is based on 3,600 Btu/lb for wet bagasse.

The amount of fuel oil shown in Item 8.C reflects normal averages and maximums. Under certain special situations such as yearly plant startups and very rare major production interruptions, the maximums shown may be exceeded for periods of limited duration. During these periods, the maximum will be approximately 40 bbl/hr (1,680 gal/hr) and 248 MM Btu/hr.

11/3/72



STATE OF FLORIDA
DEPARTMENT OF POLLUTION CONTROL
2562 EXECUTIVE CENTER CIRCLE, EAST
MONTGOMERY BUILDING, TALLAHASSEE, FLORIDA 32301

VINCENT D. PATTON
EXECUTIVE DIRECTOR

DAVID H. LEVI
CHAIRMAN

November 7, 1972
Hendry County - AP
U. S. Sugar Corporation
Sugar Mill
Boiler #2

Mr. A. R. Mayo. Vice President
U. S. Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida

Dear Mr. Mayo:

Pursuant to your recent application, please find enclosed a permit No. AC-503, dated 11/7/72 to construct an impingement scrubber to serve the subject boiler #2.

This construction permit is issued subject to the attached provisos.

Your continued cooperation will be appreciated.

Sincerely,
Howard L. Rhodes
Howard L. Rhodes, P. E.
Chief, Bureau of Permitting

HLR *HL*
new

CC: Southwest Regional Office
Board of County Commissioners - Hendry
E. R. Hendrickson, Ph D., P. E.
Palm Beach County Health Department

*Original files
in Treasurer's office*

JOHN R. MIDDLEMAS
BOARD MEMBER

GEORGE RUPPEL
BOARD MEMBER

JAMES F. REDFORD, JR.
BOARD MEMBER

A. D. VINCEN
BOARD MEMBER

STATE OF FLORIDA
DEPARTMENT OF AIR AND WATER
POLLUTION CONTROL

CONSTRUCTION PERMIT

FOR U. S. Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida

PERMIT NO. AC-503

DATE November 7, 1972

PURSUANT TO THE PROVISION OF SECTION 403.061 (16) OF CHAPTER 403, FLORIDA STATUTES AND CHAPTER 17-4, FLORIDA ADMINISTRATIVE CODE, THIS PERMIT IS ISSUED TO
A. R. Mayo, Vice President

FOR THE CONSTRUCTION OF THE FOLLOWING:

Two Joy Turbulaire Type D Impingement Scrubbers to be Added in
Service to Multicyclone Separators Serving #6 Fuel Oil & Bagasse
Fired #2 Boiler South of Clewiston, Hendry County, Florida
LOCATED AT: UTM: N 2,956,875 E 505,938

IN ACCORDANCE WITH THE APPLICATION DATED August 21, 1972
AND IN CONFORMITY WITH THE STATEMENTS AND SUPPORTING DATA ENTERED THEREIN,
ALL OF WHICH ARE FILED WITH THE DEPARTMENT AND ARE CONSIDERED A PART OF THIS
PERMIT.

THIS PERMIT SHALL BE EFFECTIVE FROM THE DATE OF ITS ISSUANCE UNTIL 5/15/73
AND SHALL BE SUBJECT TO ALL APPLICABLE LAWS OF THE STATE AND THE RULES AND REG-
ULATIONS OF THE DEPARTMENT.

Howard L. Rhodes
Howard L. Rhodes, Chief

~~XXXXXXXXXXXX~~

BUREAU OF PERMITTING

Vincent D. Patton
VINCENT D. PATTON
EXECUTIVE DIRECTOR

STATE OF FLORIDA

DEPARTMENT OF POLLUTION CONTROL

CONSTRUCTION PERMIT PROVISOS

AIR POLLUTION SOURCES

Permit No. AC-503

Date: 11/7/72

- [X] 1. Construction of this installation shall be completed by February 15, 1973.
- [X] 2. This construction permit expires on May 15, 1973 following an initial period of operation for appropriate testing to determine compliance with the Rules of the Florida Pollution Control Board.
- [X] 3. All applicable rules of the Department including design discharge limitations specified in the application shall be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations prior to construction.
- [X] 4. The applicant shall continue the retention of the engineer of record for the inspection of the construction of this project. Upon completion the engineer shall inspect for conformity to construction permit applications and associated documents. A report of such inspection shall be submitted by the engineer to the Department of Pollution Control for consideration toward the issuance of an operation permit.
- [] 5. This _____ shall be tested for _____ within _____ days after it is placed in operation. These test results are required prior to our issuance of an operation permit and shall be submitted in duplicate to the DPC _____ Florida Regional Office _____
- [X] 6. The operation of this installation shall be observed for visible emissions in accordance with Method 9 - Visible Determination of the Opacity of Emissions from Stationary Sources (Federal Register, December 23, 1971). The observation results are required prior to our issuance of an operation permit, and shall be submitted in duplicate to the DPC Southwest Florida Regional Office, 3201 Golf Course Blvd., Punta Gorda, Florida 33950.
- [] 7. Stack sampling for total particulate or other contaminant emissions shall be conducted if found by the DPC _____ Florida Regional Office to be necessary as a basis for the issuance of an operation permit.
- [X] 8. Satisfactory ladders, platforms, and other safety devices shall be provided/available as well as necessary ports to facilitate the carrying out of an adequate sampling program.

(TURN OVER)

[x] 9. The following items are required prior to our issuance of an operation permit in addition to the engineer of record's report of inspection:

- (a) An emission report for total particulates and sulfur oxides based upon actual operations, based upon stack sampling.
- (b) A tabular summary of actual records of frequencies and durations of soot blowing as well as boiler blowdown characteristics and disposal practices.

These items are required prior to our issuance of an operation permit and shall be submitted in duplicate to the DPC Southwest Florida Regional Office, 3201 Golf Course Blvd., Punta Gorda, Florida 33950.

[x] 10. There shall be no discharges of liquid effluents or contaminated runoff from the plant site.

[] 11. All fugitive dust generated at this site shall be adequately controlled.

[X] 12. This construction permit is subject to approval by the Board of the Florida Department of Pollution Control.



State of Florida
Department of Air and Water Pollution Control

Application For Permit to Construct Air Pollution
Sources

Applicant
(Owner or authorized agent)

A. R. Mayo, Vice President

(Name and Title)

Name of Establishment

United States Sugar Corporation

(Corporation, Company, Political SD, Firm, etc.)

Mailing Address

P.O. Drawer 1207 Clewiston, Florida 33440

Location of Pollution Source

Clewiston

(Number and Street)

(City)

UTM (meters)

N = 2,956,875

E = 505,938

Hendry

(County)

Nature of Industrial Operation

Raw Sugar Manufacture

Permit Applied For:

Project Engineer:

New Source

E. R. Hendrickson, Ph.D., P.E.

Name

Existing Source after modification
Boiler #2 with added scrubber

Environmental Engineering, Inc.

Firm

2324 Southwest 34th Street
Gainesville, Florida 32601

Mailing Address

Existing Source

Signature

Relocation, expansion or reconstruction

5088

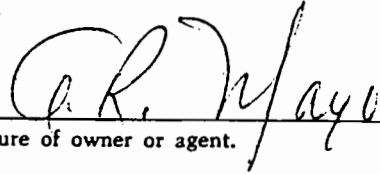
Florida Registration Number

For Department's Use Only

Permit No.

Date:

The undersigned owner or authorized representative* of United States Sugar Corporation is fully aware that the statements made in this form and the attached exhibits and statements constitute the application for a Construction Permit from the Florida Department of Air and Water Pollution Control and certifies that the information in this application is true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to comply with the provisions of Chapter 403, Florida Statutes and all the rules and regulations of the Department or revisions thereof. He also understands that the Permit is non transferable and, if granted a permit, will promptly notify the Department upon sale or legal transfer of the permitted establishment.



Signature of owner or agent.

A. R. Mayo, Vice President

Name and Title

Date: 2/21/72

*Attach letter of authorization.

Estimated Schedule of
Construction of the Project

Begin Construction: September 1, 1972
Receive Equipment: September 10, 1972
Complete Construction: October 24, 1972

**Information Regarding Pollution Sources
and Proposed Control Facilities**

1. Estimated cost of proposed control facilities \$ 65,000_____.
2. Prepare and attach an 8½" x 11" flow diagram, without revealing trade secrets, identifying the individual operations and/or processes. Indicate where raw materials enter, where solid and liquid waste exit where gaseous emissions and/or airborne particulates are involved and where finished products are obtained.
3. Include an 8½" x 11" plot plan showing location of manufacturing processes and location of outlets for airborne emissions. Relate all flows to the flow diagram.
4. Submit an 8½" x 11" plot plan showing the exact location of the establishment and points of discharge in relation to the surrounding area, residences and other permanent structures and roadways.

I General

A. Raw Materials and Chemicals Used.

Description	Utilization Tons/day, Lbs./day, etc.	Approximate Contaminant Content		Relate to Flow Diagram
		Type	Percent Dry Weight	
Bagasse	920,000 lbs/day (dry basis)	Sulfur	Trace	Feed to Boiler #2
Fuel Oil #6	15,000 lbs/day	Sulfur	2.5% ave.	Feed to Boiler #2

B. Fuels

Type (Be Specific)	Daily Consumption	Gross Maximum Heat Output	Relate to Flow Diagram
<u>Bagasse</u>	<u>920,000 lbs/day</u>	<u>5500 x 10⁶ Btu</u>	<u>Boiler #2</u>
<u>Fuel Oil #6</u>	<u>15,000 lbs/day</u>	<u>270 x 10⁶ Btu</u>	<u>Boiler #2</u>

C. Products

1.9 200,000 lbs/hr

Description	Average Daily Production (Tons/Day, Lbs/Hr. etc.)
<u>Steam</u>	<u>200,000 lbs/hr (capacity)</u>

D. Normal operation: Hours/Day 24 Day/Week 7

If operation or process is seasonal, describe: Seasonal during cane harvest; approximately November 1 to April 1.

II Identification of Air Contaminants

Compounds of:

Chlorine	<input type="checkbox"/>	Hydrocarbons	<input type="checkbox"/>	Acid Mists	<input type="checkbox"/>
Fluorine	<input type="checkbox"/>	Smoke	<input checked="" type="checkbox"/>	Odors	<input type="checkbox"/>
Nitrogen	<input checked="" type="checkbox"/>	Fly Ash	<input checked="" type="checkbox"/>	Radioisotopes	<input type="checkbox"/>
Sulfur	<input checked="" type="checkbox"/>	Dusts	<input type="checkbox"/>	Other _____	<input type="checkbox"/>

Specific Compounds _____

III Air Pollution Control Devices

Contaminant	Control Device	Relate to Flow Diagram	Operating Efficiency	Conditions (Particle Size Range, Temp. etc.)
Fly Ash	Multiclone	Boiler #2	Approx. 30%	(existing)
	Impingement Scrubber	Boiler #2	Est. 98% ⁺	(proposed new)

Provide a brief description of the control device or treatment system. Attach separate sheets giving details regarding principle of operation, manufacturer, model, size, type and capacity of control treatment device and the basis for calculating its efficiency. Show any bypasses of the control device and specify when such bypasses are to be used and under what conditions.

The existing control device consists of an American-Standard Series 361 Packaged Flyash Collector installed between boiler and stack. The unit includes a vertical bank of small-diameter dry cyclones and automatic hopper discharge valves. The efficiency originally was calculated by measuring the stack discharge and the weight of flyash discharged from the hoppers for a given period of time.

It is proposed to add two impingement scrubbers (Joy Turbulaire Type D) and FD fan (FD with respect to the scrubber) in series with the existing multiclones. Estimated efficiency is based on manufacturers estimates for 6 inches of water pressure drop, inlet loading of one grain per actual cubic foot, and provided flyash particle size is 35 percent or less smaller than 10 micrometers.

General Description of scrubber included in "Installation, Operating, and Maintenance Instructions for Turbulaire Scrubber, Type D", a copy of which is attached.

General Arrangement for this installation is shown on Joy Manufacturing Company drawing 13271-4, 072-259-04, a copy of which is attached.

IV. Contaminant Balance

From contaminant content in raw materials, waste products, and manufactured products, summarize daily contaminant flow:

	Pounds Contaminant per Day	
	Input	Output
<p>List Raw Materials:</p> <p style="text-align: center; margin-left: 200px;">DNA</p>		
<p>List Manufactured Products:</p>		
<p>List Solid Wastes:</p>		
<p>List Liquid Wastes:</p>		
Totals		
<p>Airborne Wastes (Total input minus total output)</p>		

Note: If more than one contaminant, specify each
 Contaminants recovered in control devices should be shown as either a liquid or a solid waste.

V. Discharged Emissions to Atmosphere

A. Discharge Points and Design Conditions

Discharge Point Description	Relate to Flow Diagram	Height above Ground (ft.)	Cross Sect. Area (sq. ft.)	Periods of Flow Hrs./ Day	Hrs./ Wk.	Temp. of Discharge (°F)
Stack #2	Boiler #2	75 ft.	41.3 sq. ft.	24	168	160°F

NOTE: SO₂ and NO_x values listed below were assumed to be no different from those listed in the permit to operate previously filed except that some reduction in SO₂ could be expected through the scrubber even if water alone is used.

B. Tabulation of Discharged Contaminants

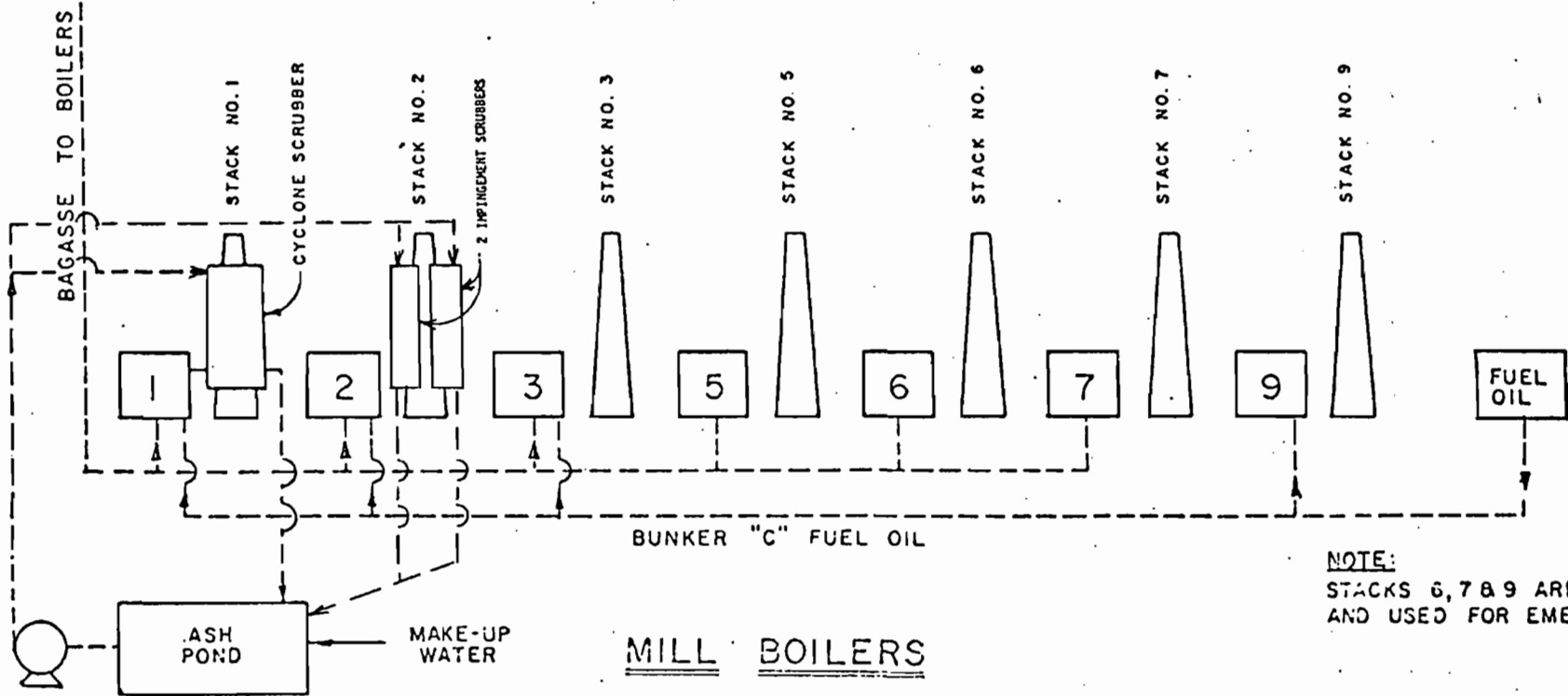
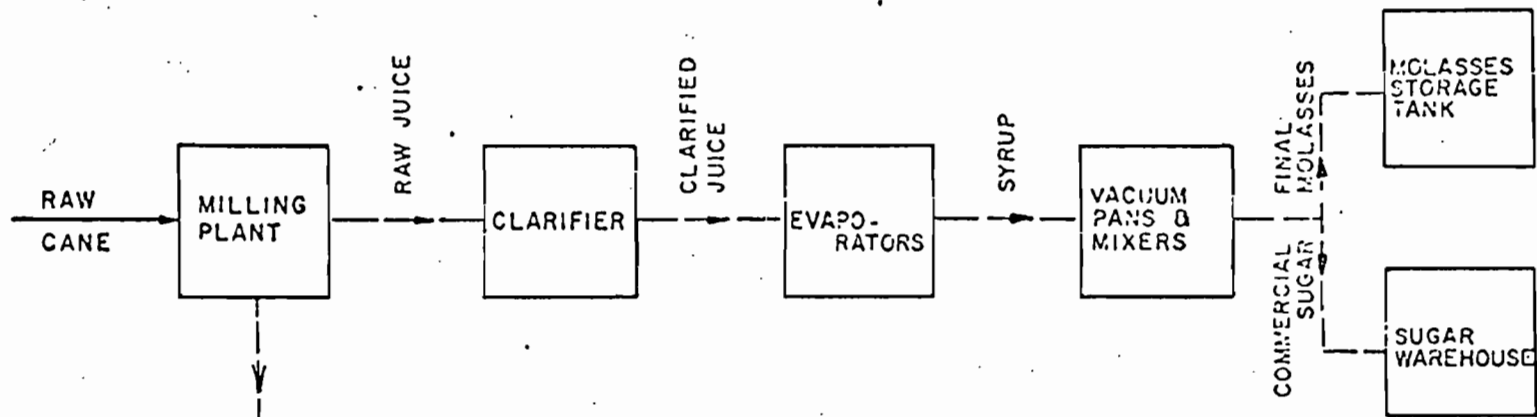
Discharge Point - Relate to Flow Diagram	Flow Rate at Std. Cond. (cfm)	Total Contaminants Discharged					
		Particulates		Other Contaminants (F ⁻ , SO _x , NO _x etc.)			
		Gr/ft3 (Std. Cond.)	lbs./ Day	Gr/ft3 (Std. Cond.)	lbs/ Day	Gr/ft3 (Std. Cond.)	lbs/ Day
Stack #2	37,656*	0.077	596*	SO ₂	< 900	NO _x	1850
Totals							

*Calculated from manufacturers estimates

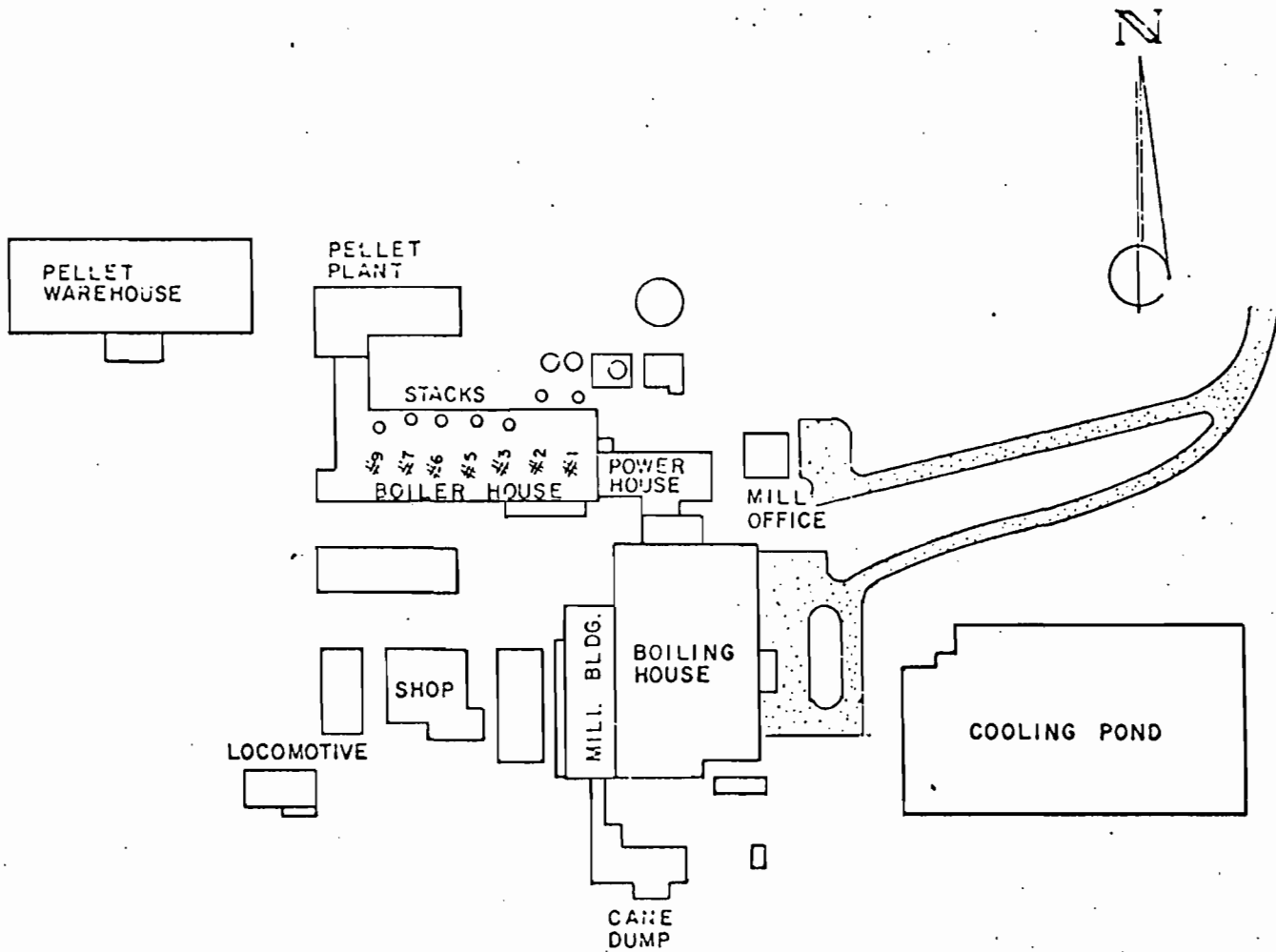
VI. Treatment and Disposal of Liquid and Solid Waste

1. Identify the contaminants which will be discharged as liquid or solid wastes.
2. Describe the treatment and disposal of liquid and solid wastes. Indicate the concentrations and volume of individual contaminants in treated wastes before disposal.

No contaminated solid or liquid wastes will be discharged from the premises due to this operation. The scrubber water will be circulated through the existing ash pond where the solid material will settle. The liquor containing some fines, will be recirculated to the scrubber. There will be no liquid effluent from this pond, as approximately 40 gpm of make-up water will be required to replace that lost by evaporation plus a small entrainment loss. Lime will be added to the ash pond if required for pH control.

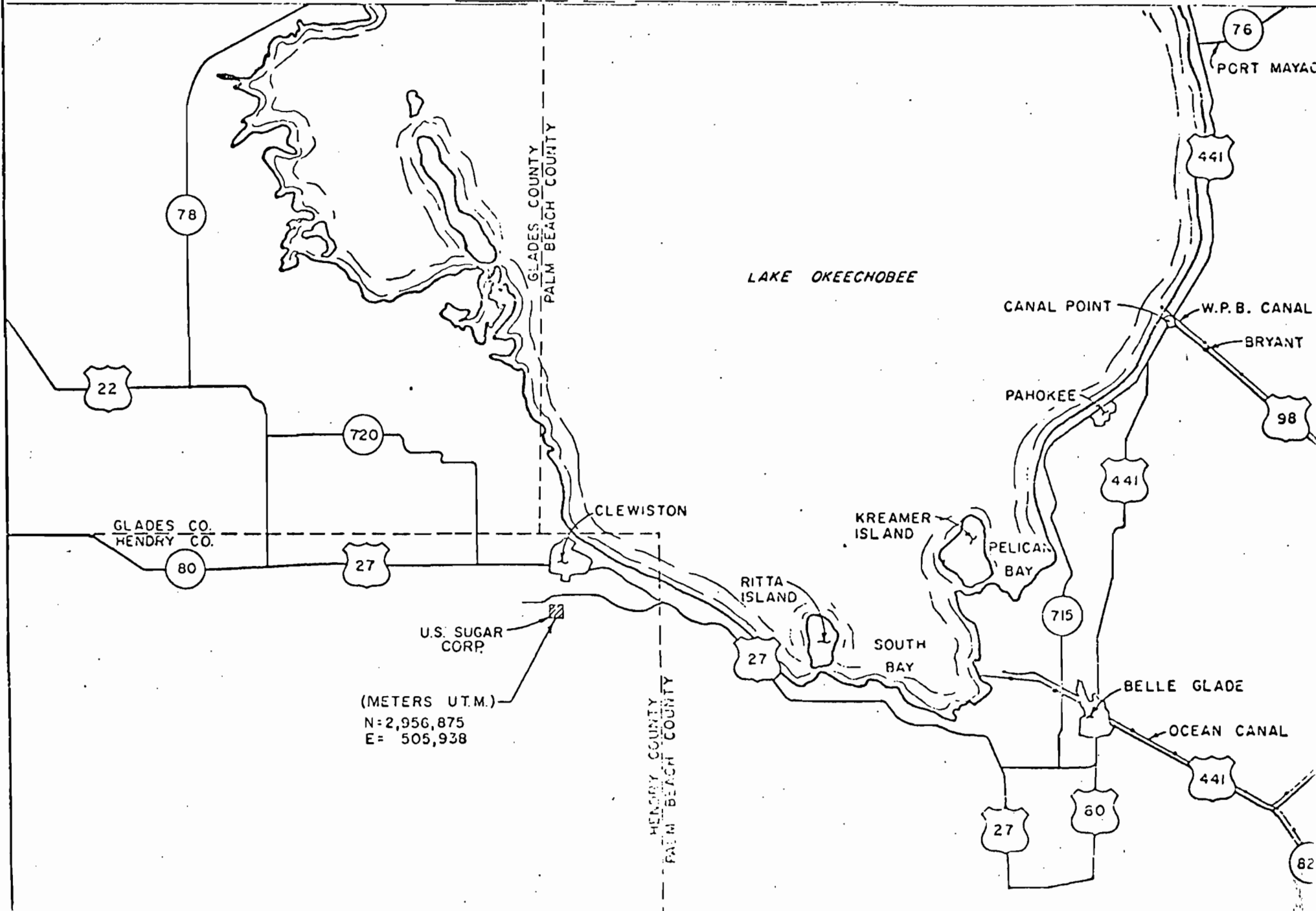
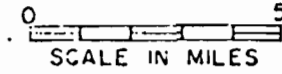


SCHMATIC FLOW DIAGRAM
U. S. SUGAR CORP.
CLEWISTON, FLORIDA



PLOT PLAN
 U.S. SUGAR CORP.
 CLEWISTON, FLORIDA

U.S. SUGAR CORP.
CLEWISTON, FLA.
LOCATION OF U.S. SUGAR CORP WITH
RESPECT TO SURROUNDING AREA



INSTALLATION, OPERATING, AND MAINTENANCE INSTRUCTIONS
FOR
TURBULAIRE® SCRUBBER
TYPE D



JOY MANUFACTURING COMPANY
Western Precipitation Division
1000 W. Ninth St.
Los Angeles, California 90015

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AUTOMATIC CONTROL RECOMMENDATION	9

FIGURES

Figure 1. Turbulaire® Scrubber, Type D-B, Sizes 20 thru 64	1
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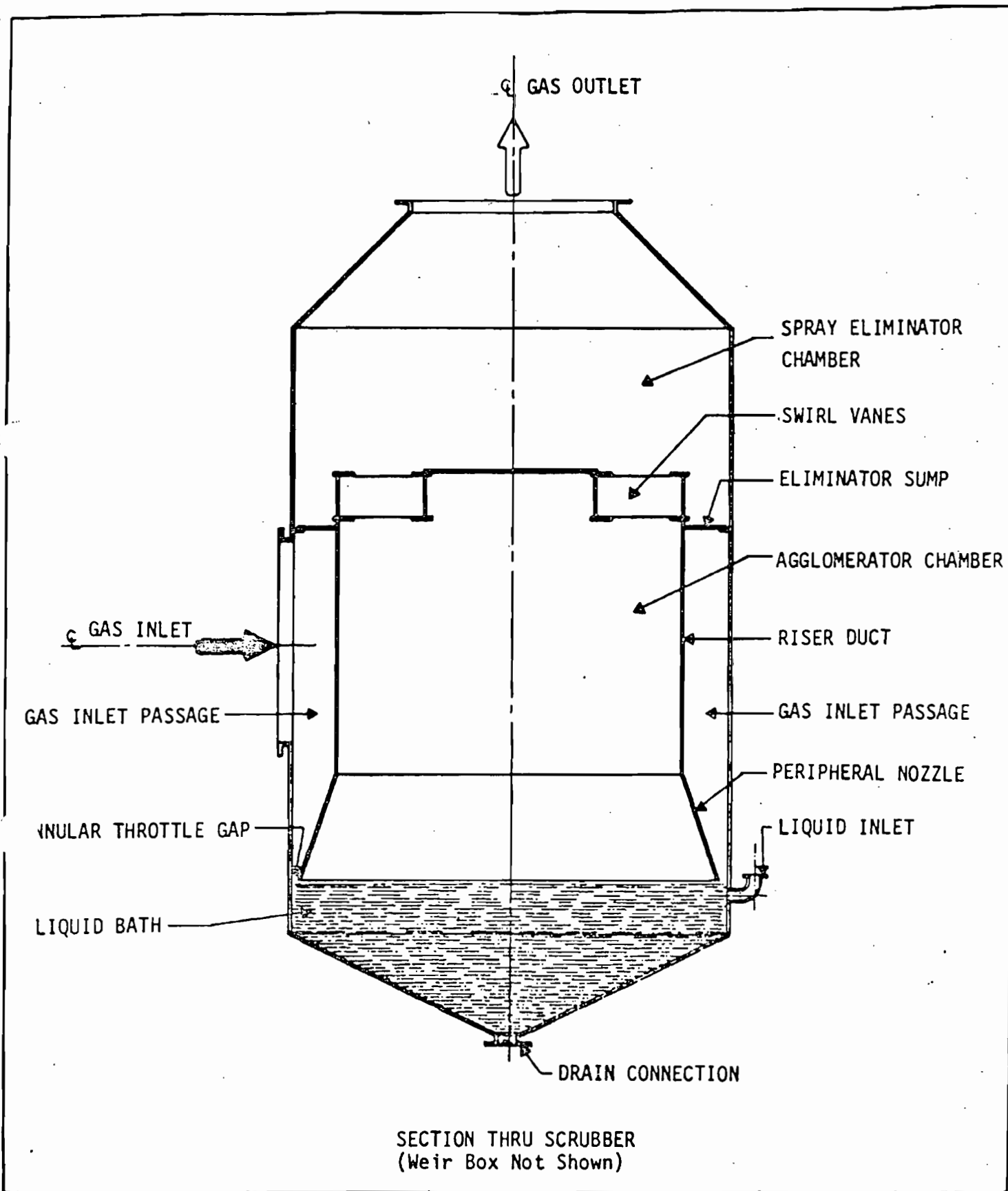


Figure 1. Turbulaire® Scrubber, Type D-B, Sizes 20 thru 64

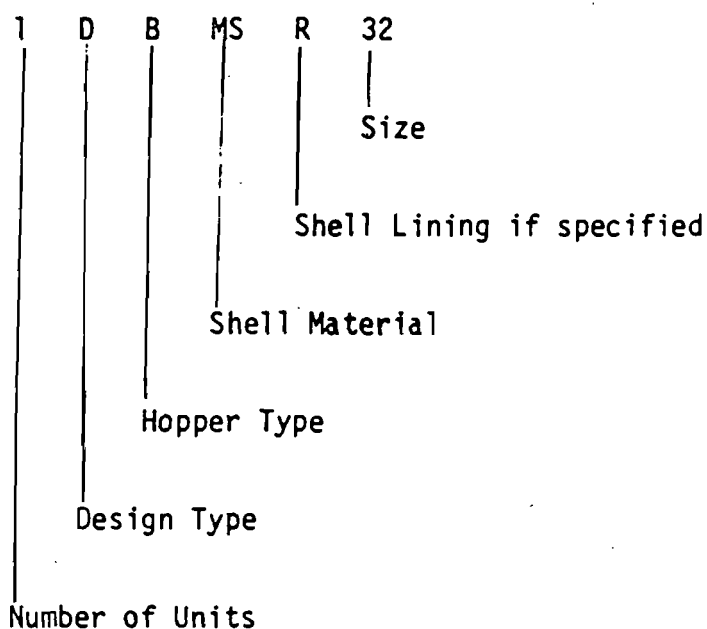
DESCRIPTION

The Type D Turbulaire® Scrubber (Figure 1) consists of a vertical cylindrical shell with conical top and conical hopper on the lower end. The scrubber is divided into two chambers; the agglomerator chamber and the eliminator chamber.

The agglomerator chamber is in the lower portion of the scrubber and consists of the hopper with liquid bath, the gas inlet passage with conical throttle and the liquid level regulating assembly.

The eliminator chamber is above the agglomerator chamber and consists of a set of swirl vanes and a sump preceding the gas outlet.

TYPE & SIZE DESIGNATION



The scrubber has the gas inlet located radially on the side of the shell and the gas outlet at the top center. The agglomerator cylinder is surrounded by the gas inlet passage. The shell and the peripheral nozzle of the agglomerator chamber form an annular throttling gap at the bottom of the gas inlet passage. The normal operating level of the scrubbing liquid bath is just below the throttling gap.

Swirl vanes are mounted in the top of the agglomerator cylinder. A horizontal plate joining the agglomerator with the shell forms the eliminator sump. Weep holes drain the liquid from the eliminator sump into the scrubbing liquid bath in the hopper.

A liquid level regulating assembly is mounted on the lower exterior region of the shell. This assembly consists of a gas lock release pipe, weir box with liquid level control, and a seal pipe with overflow. The liquid inlet is located just above the hopper. Access doors are provided in the hopper and in the upper region of the shell.

Construction material for the standard scrubber is mild steel. Optional materials of construction may be: mild steel lined with rubber, lead or coated with epoxy resin; 304 or 306 stainless steel; and fiber reinforced polyester.

FIELD INSTALLATION

Field installation of the scrubber is as follows:

1. Set the unit on the foundation and attach the anchor bolts. Level unit by shimming between unit and foundation.

NOTE: Vertical and horizontal alignment of the scrubber is important to ensure an even circumferential dimension between the peripheral nozzle and quiescent liquid level.

2. Connect the inlet and outlet flues to the unit. It is recommended that inspection doors, adjacent to the scrubber, be included in the customer's flues.

NOTE: Dynamic and dead load forces from customer's fan, equipment and flues must not be transmitted to the scrubber equipment.

3. Attach the sight glass and weir box to the scrubber, then connect the seal pipe overflow to a drain line.
4. Connect the hopper outlet to a drain line. The drain line should contain a valve for flow balancing purposes.

PREPARATION OF THE SCRUBBER FOR OPERATION

The scrubber is designed to operate under the conditions in the operating data sheet in the front of the manual.

Prior to turning on the flue gas, liquid flow and liquid level should be established as follows:

1. Remove the weir box cover.
2. Turn on the liquid supply. By means of a flow meter or other measuring device, adjust the flow of the inlet liquid until the rate prescribed on the data sheet is attained.
3. Open the valve at the hopper outlet and establish a flow of liquid adequate to remove the slurry from the hopper.
4. Raise or lower the liquid level control as required until the liquid in the scrubber reaches and maintains a steady level, approximately 1/2-inch below the peripheral nozzle. This level is indicated by a red line painted on the weir box. Tighten the clamp which secures the level control in place.

NOTE: The liquid level control and liquid inlet rate may require adjustment to comply with rated pressure drop and outlet gas conditions.

5. Replace the weir box cover. The scrubber is now ready to receive flue gas.

If the tank is lined with lead, rubber, epoxy resins or other material which may deteriorate at high temperatures, the temperature of the inlet gas must be adjusted within limits compatible with these materials as noted after operating instruction.

OPERATION

Operation of the scrubber requires only that the fan be turned on to move flue gas through the scrubber.

As flue gas enters the scrubber through the inlet, its speed is increased to the desired operating velocity as it passes through the throttling gap. The dust-laden gas is then discharged at high velocity and penetrates deeply into the liquid bath wherein the dust combines with the liquid to form a slurry which is discharged through the hopper outlet valve. The turbulence resulting from the entrance of the high velocity gas into the scrubbing bath is sufficient to produce a dense spray. This spray is removed from the gas by the swirl vanes.

The scrubber should continue to operate at constant efficiency if the gas volume, temperature and dust load do not change. If there is an increase in the dust load, it may be necessary to increase the flow rate of the scrubbing liquid, in which case, the hopper outlet valve must be adjusted to maintain the operating liquid level. A decrease in the dust load will permit decreasing the scrubbing liquid flow rate.

The efficiency of the unit may be increased by: increasing pressure drop through unit, cooling inlet gases if necessary, and increasing the inlet liquid rate, described as follows:

1. Increase pressure drop through the unit by restricting the nozzle opening or by increasing the gas flow through the unit.

The nozzle opening can be restricted by adding material to the nozzle opening and thus cut down the size of the opening. The opening is designed so that at the gas density and volume specified, the required pressure drop should be obtained. Sometimes the gas density or the volume are not that which is calculated and, if the pressure drop is low, it is necessary to close down on the opening. This is fairly easily accomplished and, by doing this, the velocity of the jet is increased into the liquid pool and, therefore, increases the efficiency of the unit.

The volume of air should never exceed the maximum allowable outlet gas volume as specified on the data sheet. This maximum volume cannot be exceeded without entraining some of the scrubbing liquid, and carrying it into the outlet flue.

Gas flow through the unit can be increased by opening the fan dampers or by introducing infiltration air into the flue through a damper.

If the scrubber is operating well below the maximum outlet gas volume, the simplest way to increase the pressure drop through the unit is to increase the fan delivery until the design pressure drop is reached.

2. Introduce liquid sprays ahead of the scrubber inlet to humidify the gases entering the scrubber. This system is employed whenever inlet gas temperatures are high enough to damage the lining of the shell. Changing the specified water flow to the spray nozzles is not recommended since this will change inlet gas density beyond scrubber design limits.

3. Increase the inlet liquid rate. This will also bring the temperatures of the gas down to saturation quickly. However, as the liquid rate is increased the liquid level control will have to be reset until equilibrium conditions are maintained without gas passing through the unit. Increase of the liquid rate will give lower outlet gas temperatures and also lower outlet liquid temperatures.

MAINTENANCE

Although the scrubber should operate continuously with minimum maintenance some may be required. This includes: removing any build-up of dust on the peripheral nozzle which would impair operation, and periodically cleaning out the scrubber and liquid seal pipe to prevent clogging of the outlet.

In addition, situations may be encountered which may impair the operation of the scrubber:

1. Plugging of the Overflow Pipe

Occasionally on some dusts (generally those associated with fluorides), there may be some plugging of the overflow pipe which leads from the scrubber to the weir box. This plugging is due to settling out or deposition of particles in the pipe and can generally be relieved by one or two methods.

One method is to periodically clean out the pipe with a reamer or a scraper of some sort. For those scrubbers with rubber, lead, or plastic lining, care should be taken that the lining is not pierced.

Another method is to increase the velocity of liquid through the pipe by closing down on the cross sectional area. This is accomplished by laying pieces of tubing in the overflow pipe and building up enough tubing so that the cross sectional area of the pipe is gradually reduced. The velocity of liquid for materials which tend to settle out should be a minimum of 2 to 3 fps or higher.

2. Cold Weather Operation

During periods of cold weather, care must be taken to prevent freezing of the liquid in the scrubber and in the supply lines. It may be necessary to insulate one or both. During periods of shutdown, the scrubber and liquid lines should be drained unless some method is employed to keep temperatures above the freezing point.

AUTOMATIC CONTROL RECOMMENDATION

An automatic liquid level control system is available as an optional extra from Western Precipitation Division.

The system consists of the following components:

- a. Displacer type level control unit (Magnetrol)
- b. Solenoid valve
- c. Strainer
- d. Piping and pipe fittings as required for field assembly.

The system is normally shipped loose for field assembly by the customer. Hook-up connections are provided on the hopper and the scrubber body.

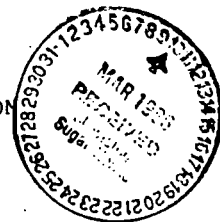
OPERATION

The liquid level control unit uses a solid block displacer - heavier than the liquid - which is suspended from a helical spring. A rising liquid level imparts buoyancy to the displacer, lessening the load on the spring, thus, the displacer moves upward. A magnetic sleeve connected to the displacer also moves upward inside a non-magnetic enclosing tube, attracting a permanent magnet attached to a mercury switch (or pneumatic pilot valve). This actuates and closes the solenoid valve, and make-up water to the scrubber is shut-down. As the liquid level recedes, the magnetic sleeve and displacer drops allowing the magnet and switch element to return to the normal operating level. This actuates and opens the solenoid valve allowing flow of makeup water to the scrubber.

Thus, there is no possibility of excessive high or low liquid levels in the scrubber.

A cross is provided in the line to allow periodic flushing and cleanout of the system.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION



March 5, 1986

A. R. Mayo, Vice President-Sugar Houses
United States Sugar Corporation
Post Office Drawer 1207
Clewiston, Florida 33440

RE: Hendry County - AP
U. S. Sugar Corp.
Boiler Number 3

Dear Mr. Mayo:

Enclosed is Permit Number AO26-116616 to operate a sugar processing plant, bagasse boiler number 3, issued pursuant to Section(s) 403.087, Florida Statutes.

Persons whose substantial interests are affected by this permit have a right, pursuant to Section 120.57, Florida Statutes, to petition for an administrative determination (hearing) on it. The petition must conform to the requirements of Chapters 17-103 and 28-5.201, FAC, and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee 32301, within fourteen (14) days of receipt of this notice. Failure to file a petition within the fourteen (14) days constitutes a waiver of any right such person has to an administrative determination (hearing) pursuant to Section 120.57, Florida Statutes. This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with this paragraph or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, FAC. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, 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 Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32301; 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 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Ft. Myers, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

Philip R. Edwards
District Manager
2269 Bay Street
Ft. Myers, FL 33901-2896

Copies furnished to:

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on March 7, 1986 to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to S 120.52 (1),
Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.
Barbara Full 3/7/86
CLERK DATE

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTH FLORIDA
DISTRICT2269 BAY STREET
FORT MYERS, FLORIDA 33901-2896BOB GRAHAM
GOVERNORVICTORIA J. TSCHINKEL
SECRETARYPHILIP R. EDWARDS
DISTRICT MANAGER

PERMITTEE: A. R. Mayo, V.P.-Sugar Houses
United States Sugar Corp.
P. O. Drawer 1207
Clewiston, FL 33440

I.D. Number: 52/26/0003/03
Permit/Certification Number: AO26-116616
Date of Issue: March 5, 1986
Expiration Date: March 5, 1991
County: Palm Beach
Latitude/Longitude: 26°44'05"N/80°56'17"W
Section/Township/Range: 21 & 22/43S/34E
Project: U. S. Sugar Corp.
Boiler Number 3

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawings(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Operate Boiler Number 3 with a design steam production capacity of 100,000 LBS/HR and a maximum operating capacity of 135,000 LBS/HR (24 hour average) fired with bagasse and supplemental number 6 fuel oil. Emissions are controlled by one (1) Joy Turbulaire Impingement scrubber, Type D, Size 90.

Plant is located at the foot of W. C. Owens Street, Clewiston, Florida.

DER Form 17-1.201(5)
Effective November 30, 1982

Page 1 of 5

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Section 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefor caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

PERMITTEE: U. S. Sugar Corp.

I.D. Number: 52/26/0003/03
Permit/Certification Number: AO26-116616
Date of Issue: March 5, 1986
Expiration Date: March 5, 1991

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

PERMITTEE: U. S. Sugar Corp.

I.D. Number: 52/26/0003/03
Permit/Certification Number: A026-116616
Date of Issue: March 5, 1986
Expiration Date: March 5, 1991

GENERAL CONDITIONS:

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
- () Compliance with New Source Performance Standards

14. The permittee shall comply with the following monitoring and record keeping requirements:

a. Upon Request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurements;
- the person responsible for performing the sampling or measurements;
- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

PERMITTEE: U. S. Sugar Corp.

I.D. Number: 52/26/0003/03
Permit/Certification Number: A026-116616
Date of Issue: March 5, 1986
Expiration Date: March 5, 1991

SPECIFIC CONDITIONS:

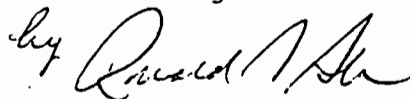
1. Particulate emissions shall not exceed 0.30 pounds per million BTU's of carbonaceous fuel heat input plus 0.10 pounds per million BTU's of fossil fuel heat input.
2. Particulate emission tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the unit is capable of compliance at the permitted maximum operating rate. Test shall be conducted in accordance with EPA Method 5 as published in 40 CFR-60, Appendix A, or State approved equivalent method. Such tests shall be conducted once per year commencing before February 15. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.
3. Visible emissions shall not exceed 30% opacity under normal operation except for up to 2 minutes in any one hour at not more than 40% opacity.
4. Sulfur content in fuel shall not exceed 2.5%.
5. All fugitive dust generated at this site shall be adequately controlled.
6. An annual operation report (DER Form 17-1.202(6) attached) shall be submitted by March 1st each year. The attached form shall be reproduced by the permittee and used for future annual submittals.
7. Proper oil flow meters shall be installed to monitor the fuel oil being consumed.
8. The scrubber control system shall be equipped with instrumentation to monitor total pressure drop and inlet water pressure. Such instrumentation shall be properly maintained so as to be functional at all times.
9. Stack sampling facilities provided by the owner shall be in accordance with the requirements of Chapter 17-2.700(4), Florida Administrative Code.
10. During any 24 hour period, not more than 40,800 gallons of fuel oil shall be burned in all stationary fuel oil burning equipment at the plant.
11. During any 3 hour period, not more than 6,300 gallons of fuel oil shall be burned in all stationary fuel oil burning equipment at the plant.

Issued this 5th day of March, 1986.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION



Philip R. Edwards
District Manager



PRE/00/1s

Pages Attached

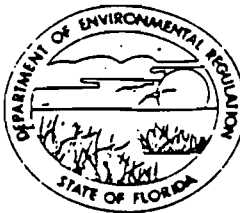
DER Form 17-1.201(5)
Effective November 30, 1982

Page 5 of 5

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTH FLORIDA DISTRICT

2269 BAY STREET FORT MYERS, FLORIDA 33901

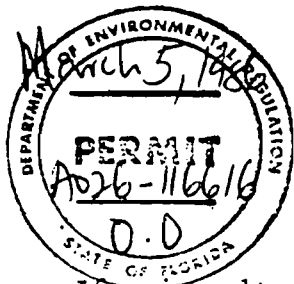


BEST AVAILABLE COPY

BOB GRAHAM GOVERNOR

VICTORIA J. TSCHINKEL SECRETARY

PHILIP R. EDWARDS DISTRICT MANAGER



RECEIVED

FEB 25 1986

APPLICATION FOR RENEWAL OF PERMIT TO OPERATE AIR POLLUTION SOURCE(S)

SOUTH FLORIDA DISTRICT

If major alterations have occurred, the applicant should complete the Standard Air Permit Application Form.

Source Type: Bagasse Boiler #3, Clewiston Renewal of DER Permit No. A026-7250

Company Name: United States Sugar Corporation County: Hendry

Identify the specific emission point source(s) addressed in this application (i.e., Lime Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired):

Bagasse Boiler with Impingement Scrubber

Source Location: Street: Foot of W. C. Owens Street City: Clewiston

UTM: East 7,505.9 KM North 2,956.9KM

Latitude: ___ ° ___ ' ___ "N. Longitude: ___ ° ___ ' ___ "W.

1. Attach a check made payable to the Department of Environmental Regulation in accordance with operation permit fee schedule set forth in Florida Administrative Code Rule 17-4.05.

Have there been any alterations to the plant since last permitted? [] Yes [X] No If minor alterations have occurred, describe on a separate sheet and attach.

3. Attach the last compliance test report required per permit conditions if not submitted previously.

4. Have previous permit conditions been adhered to? [X] Yes [] No If no, explain on a separate sheet and attach.

5. Has there been any malfunction of the pollution control equipment during tenure of current permit? [] Yes [X] No If yes, and not previously reported, give brief details and what action was taken on a separate sheet and attach.

6. Has the pollution control equipment been maintained to preserve the collection efficiency last permitted by the Department? [X] Yes [] No

7. Has the annual operating report for the last calendar year been submitted? [] Yes [X] No If no, please attach.

EXHIBIT "A"

Bagasse Boiler #3 - Clewiston
U. S. Sugar Corp. - Hendry County

DER Permit #A026-7250

Item 8-C. Fuels

The amount of fuel oil shown on Item 8-C reflects normal averages and maximums. Under certain extraordinary conditions such as yearly plant start-ups and some rare major production interruption, the maximums shown may be exceeded for periods of limited duration. For these periods the maximums will be approximately 22 BBL/Hr. and 135 MBTU/Hr. respectively.

8. Please provide the following information if applicable:

A. Raw Materials and Chemical Used in Your Process:

Description	Contaminant		Utilization	
	Type	%Wt	Rate	lbs/hr

B. Product Weight (lbs/hr): 100,000 Steam, Design Capacity
135,000 Maximum Operating Capacity (24 hour average)

C. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	Avg/hr*	Max/hr**	
Bagasse	70,000	77,000	270
No. 6 Fuel Oil	7.2	8.6*	55*
* See EXHIBIT "A" attached -			

D. Normal Equipment Operating Time: hrs/day 24; days/wk 7; wks/yr 20;

hrs/yr (power plants only) _____; if seasonal, describe November - Late March

Description: This boiler is of a design capacity of 100,000 lbs/hr. and a

maximum capacity of 135,000 lbs./hr. (24 hour average).

The undersigned owner or authorized representative*** of United States Sugar Corporation is fully aware that the statements made in this application for a renewal of a permit to operate an air pollution source are true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter 403, Florida Statutes, and all the rules and regulations of the Department. He also understands that a permit, if granted by the Department, will be non-transferable and he will promptly notify the Department upon sale or legal transfer of the permitted facility.

*During actual time of operation.

**Units: Natural Gas-MMCF/hr;
 Fuel Oils-barrels/hr; Coal-lbs/hr.

***Attach letter of authorization if not previously submitted

A. R. Mayo
 Signature, Owner or Authorized Representative
 (Notarization is mandatory)
A. R. Mayo, Vice President - Sugar Houses
 Typed Name and Title
P. O. Drawer 1207
 Address
Clewiston, Florida 33440
 City State Zip
Feb. 21, 1986 (813) 983-8121
 Date Telephone No.

DER Form 17-1.202(4)
 Effective November 30, 1982

STATE OF FLORIDA)
 COUNTY OF HENDRY)

Sworn to and subscribed before me this 21st day of February, 1986.

Quanita M. Taylor
 Notary Public, State of Florida

My Commission Expires Oct. 5, 1988



STATE OF FLORIDA
DEPARTMENT OF POLLUTION CONTROL
3201 GOLF COURSE BOULEVARD
PUNTA GORDA, FLORIDA 33950

PETER P. BALJET
EXECUTIVE DIRECTOR

July 15, 1974

DAVID H. LEVIN
CHAIRMAN

Mr. A. R. Mayo, V. P.
U. S. Sugar Corporation
Post Office Box 1207
Clewiston, Florida 33440

RE: Hendry Co. - AP
U. S. Sugar Corporation
Boiler #3

Dear Mr. Mayo:

Pursuant to your recent application, please find enclosed a permit (No. AC26-2030A) dated 7-15-74 to construct the subject pollution source.

This permit will expire on 7-1-75 , and will be subject to the conditions, requirements and restrictions checked or indicated otherwise in the attached sheet construction "Permit Conditions".

This permit is issued under the authority of Florida Statutes 403.016(16). The time limits imposed herein are a condition to this permit and are enforceable under Florida Statute 403.161. You are hereby placed on Notice that the Department will review this permit before the scheduled date of expiry and will seek court action for violation of the conditions and requirements of this permit.

You have ten (10) days from the date of receipt hereof within which to seek a review of the conditions and requirements contained in this permit.

Your continued cooperation in this matter is appreciated, and in future communication please refer to your permit number.

Yours truly,

Philip R. Edwards,
Regional Administrator

PRE/TWD/jp
Encls.

cc: Frank Kleeman, P.E.
Palm Beach CHD
DPC - Tallahassee

JOHN R. MIDDLEMAS
BOARD MEMBER

GEORGE RUPPEL
BOARD MEMBER

ALICE C. WAINWRIGHT
BOARD MEMBER

W. D. FREDERICK, JR.
BOARD MEMBER

STATE OF FLORIDA
DEPARTMENT OF POLLUTION CONTROL

CONSTRUCTION PERMIT

FOR U.S. SUGAR CORPORATION
POST OFFICE BOX 1207
CLEWISTON, FLORIDA 33440

PERMIT NO. AC26-2030A

DATE 7-15-74

PURSUANT TO THE PROVISION OF SECTION 403.061(16) OF CHAPTER 403, FLORIDA STATUTES AND CHAPTER 17-4, FLORIDA ADMINISTRATIVE CODE, THIS PERMIT IS ISSUED TO:

MR. A. R. MAYO, VICE PRESIDENT

FOR THE CONSTRUCTION OF:
JOY TURBULAIRE SIZE 90, TYPE D, IMPINGEMENT SCRUBBER

FOR BOILER #3

LOCATED AT: CLEWISTON SUGAR MILL, OWEN STREET, CLEWISTON

UTM EAST 7,505,938 NORTH 2,956,875

IN ACCORDANCE WITH THE APPLICATION DATED 4-22-74

AND IN CONFORMITY WITH THE STATEMENTS AND SUPPORTING DATA ENTERED THEREIN, ALL OF WHICH ARE FILED WITH THE DEPARTMENT AND ARE CONSIDERED A PART OF THIS PERMIT.

THIS PERMIT SHALL BE EFFECTIVE FROM THE DATE OF ITS ISSUANCE UNTIL 7-1-75

AND SHALL BE SUBJECT TO ALL APPLICABLE LAWS OF THE STATE AND THE RULES AND REGULATIONS OF THE DEPARTMENT.

Philip R. Edwards
PHILIP R. EDWARDS,
REGIONAL ADMINISTRATOR

PETER P. BALJET,
EXECUTIVE DIRECTOR

STATE OF FLORIDA

DEPARTMENT OF POLLUTION CONTROL

CONSTRUCTION PERMIT PROVISOS

AIR POLLUTION SOURCES

Permit No. AC26-2030A

Date: 7-15-74

- [X] 1. Construction of this installation shall be completed by 6-1-75.
- [X] 2. This construction permit expires on 7-1-75 following an initial period of operation for appropriate testing to determine compliance with the Rules of the Florida Pollution Control Board.
- [X] 3. All applicable rules of the Department including design discharge limitations specified in the application shall be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations prior to construction.
- [X] 4. The applicant shall continue the retention of the engineer of record for the inspection of the construction of this project. Upon completion the engineer shall inspect for conformity to construction permit applications and associated documents. A report of such inspection shall be submitted by the engineer to the Department of Pollution Control for consideration toward the issuance of an operation permit.
- [X] 5. This boiler shall be tested for particulates within 30 days after it is placed in operation. These test results are required prior to our issuance of an operation permit and shall be submitted in duplicate to the DPC Southwest Florida Regional Office 3201 Golf Course Blvd., Punta Gorda, Florida 33950
- [] 6. The operation of this installation shall be observed for visible emissions in accordance with Method (-Visible Determination of the Opacity of Emissions from Stationary Sources (Federal Register, December 23, 1971)). The observation results are required prior to our issuance of an operation permit, and shall be submitted in duplicate to the DPC Florida Regional Office,
- [] 7. Stack sampling for total particulate or other contaminant emissions shall be conducted if found by the DPC Florida Regional Office to be necessary as a basis for the issuance of an operation permit.
- [X] 8. Satisfactory ladders, platforms, and other safety devices shall be provided/available as well as necessary ports to facilitate the carrying out of an adequate sampling program.

(OVER)

[] 9. The following items are required prior to our issuance of an operation permit in addition to the engineer of record's report of inspection:

- (a) An emission report for total particulates and sulfur oxides based upon actual operations.
- (b) A tabular summary of actual records of frequencies and durations of soot blowing as well as boiler blowdown characteristic and disposal practices.

These items are required prior to our issuance of an operation permit and shall be submitted in duplicate to the DPC _____
Florida Regional Office, _____

[x] 10. There shall be no discharges of liquid effluents or contaminated runoff from the plant site.

[x] 11. All fugitive dust generated at this site shall be adequately controlled.

(X) 12. Provisions shall be made to enable an accurate determination of bagasse and fuel oil feed rates.



PERMITTED BY SOUTHWEST REGION DEPT. OF POLLUTION CONTROL PERMIT NO. Aca26-2e3eA DATE 7/15/74

If applicant is a corporation, a Certificate of Good Standing must be submitted with application.

This may be obtained, for a \$5.00 charge, from the Secretary of State, Bureau of Corporate Records, Tallahassee, Florida 32304.

STATE OF FLORIDA DEPARTMENT OF POLLUTION CONTROL

PAID MAY 4 1974 60th Day RECEIVED

APPLICATION TO OPERATE/CONSTRUCT POLLUTION SOURCES SECTION I - GENERAL INFORMATION FOR ALL POLLUTION SOURCES I TO BE FILLED IN BY APPLICANT

Source Type: Air Pollution
Type application: [] Operation [] Temporary Operation [x] Construction
Status Source: [] New [x] Existing [] Modification
Source Name: U.S. Sugar Corp. Clewiston Mill Boiler #3
Source Location: Street: Foot of Owen St. City: Clewiston
UTM: East 7505938 North 2956875

Appl. Name and Title: A. R. Mayo, Vice President
Appl. Address: U.S. Sugar Corp. P.O. Drawer 1207 Clewiston, Fla. 33440

II TO BE FILLED IN BY REGION (*BY BUREAU OF PERMITTING)

Control No: Region County Type *Project

Table with 6 columns: Type Permit, Date Rec'd, *Permit No., *Issue Date, *Compl. Date, *Exp. Date

Source Description:
Control Equipment:

Water Permits

Receiving Body Code: Station No.: Influent: Surface Water Code: Effluent:

Table with 4 columns: Effluent, Average, Design, % Reduction. Rows include Flow rate, MGD, BOD, lbs/day, Susp. Sol., lbs/day, Other.

Air Permits

Operating Time: [] Continuous [] Intermittent
Fuel: Type M-BTU/hr. In Put
Incinerator: Capacity, tons/day Mfg. & Model Type Waste

Table with 4 columns: Pollutant Emissions, lbs/day, Actual, Design, Allowable. Rows include Particulate, Sulfur Oxides, Other.

Implementation: Estimated Appl. Filing Date Estimated Start of Const. Estimated Compliance Date

DESCRIPTION OF PROPOSED PROJECT

- A. Describe the nature and extent of the proposed project. Refer to existing pollution control facilities, DPC permits, conditions, orders and notices; expected improvement in performance of the facilities and state whether the proposed project will result in full compliance of the source. Attach additional sheet if necessary.

Pollution control facility consists of a Joy Mfg. Co. Turbulence impingement-type scrubber, Size 90, Type D. This scrubber is a larger size than, but otherwise similar to, the ones which were operated in connection with the #2 Boiler during the 1973-74 cane processing season. By-pass is provided for emergency use only, such as for cleaning due to plugging of scrubber.

Stack emissions tests indicate that the facility will provide full compliance of the source with the new DPC Stn Emission Standard for Bagasse Boilers.

- B. Schedule of Project Covered in this Application (Construction Permit Application Only).

Federally or State Financed Projects only:

Planning Complete _____ N.A. _____

Financing Program Complete _____

Indicate other local, state and/or federal agency approvals and dates _____

All projects:

Start of Construction _____ 7-15-74 _____

Completion of Construction _____ 8-15-75 _____

- C. Costs of Construction (Show a breakdown of costs for individual components/units of the proposed project serving pollution control purpose only). Information on actual costs shall be furnished with the application for operation permit.

Estimated cost of scrubber plus installation \$80,000

- D. Indicate any previous DPC permits, issuance dates, and expiration dates.

This Boiler is operating under Permit No. A0 26-2030, issued 5-16-73 and expiring on 7-1-75.

AIR POLLUTION SOURCES & CONTROL DEVICES

A. Identification of Air Contaminants

- 1) Particulates
 a) Dust b) Fly Ash c) Smoke d) Other (Identify)
- 2) Sulfur Compounds
 a) SO_x as SO₂ b) Reduced Sulfur as H₂S c) Other (Identify)
- 3) Nitrogen Compounds
 a) NO_x as NO₂ b) NH₃ c) Other (Identify)
- 4) Fluorides 5) Acid Mist 6) Odor
- 7) Hydrocarbons 8) Volatile Organic Compounds
- 9) Other (Specify): _____

B. Raw Materials and Chemicals Used (Be Specific)

Description	Utilization Tons/day, lbs./day, etc.	Approximate Contaminant Content		Relate to Flow Diagram
		Type	% Wt.	
<u>Bagasse</u>	<u>302.4 T/day</u>	-	-	A
<u>No. 6 Fuel Oil</u>	<u>30.0 T/day</u>	S	2.4	B

C. Process Weight:

- 1) Total Process Weight Rate 43,530 lbs./hr. [See Sec. 17-2.04(2)]
- 2) Product Weight 100,000 lb./hr. expressed as Steam
- 3) Normal Operating Time 24 hours per day, if seasonal describe: Approx. 150 days/yr
(Nov. 1 thru March 31)

D. Airborne Contaminants Discharged:

Name of Contaminant	Actual Discharge	Discharge Criteria*	Allowable Discharge*	Relate Location to Flow Diagram
Particulates	<u>48.6 lbs/hr</u> <u>87.5 T/yr</u>	<u>Btu Std.</u>	<u>48.9</u>	<u>C</u>
SO₂	<u>119 lbs/hr</u> <u>214 T/yr</u>	<u>N.A.</u>	<u>N.A.</u>	<u>C</u>
NO_x	<u>50.8 lbs/hr</u> <u>138.2 T/yr</u>	<u>N.A.</u>	<u>N.A.</u>	<u>C</u>

* Refer to Chapter 17-2 Florida Administrative Code
 (Discharge Criteria: Process Weight Rate, #/tonP₂O₅, #/M BTU/hr etc.)

E. Control Devices:

Name	Eff.	Conditions of Operation, Particle Size Range, etc.	Relate to Flow Diagram
Joy Turbulaire Impingement			
Scrubber, Model No. (Type) D		65% 10 microns & up	D
Size 90, Serial No.		35% under 10 microns	
Not available			

F. Fuels:

Type (Be specific)	Daily Consumption	Heat Input BTU/hr.	Relate to Flow Diagram
Molasses	52.4 tons/day Range 0 - 600	147.7 x 10⁶	A
No. 6 Fuel Oil	30.0 Tons/day Range 0 - 40	46.3 x 10⁶	B

G. Describe briefly, without revealing trade secrets, the unit processes/operations generating the airborne emissions identified in this application:

See Addendum sheets and Process Flow Diagram

H. Indicate liquid or solid wastes generated and method of disposal.

Scrubber water is used to sluice cane juice mud, which is impounded in settling ponds.

ADDENDUM TO PERMIT APPLICATION
FOR
AIR POLLUTION SOURCES

Listed below are clarifications of some of the information required on the application form. All information submitted must be in the format outlined below. Space is also provided below for additional information not contained in the original form.

AIR POLLUTION SOURCES & CONTROL DEVICES:

Item: C 1) Show the derivation of process weight.

Item: C 3) Normal operating time must be given as Hrs/Day, Days/Week and Weeks/Year.

If seasonal, give % operation by month.

Contaminants must include but not limited to: particulate matter, sulfur oxides, carbon monoxide, hydrocarbons and nitrogen oxides. This information must be submitted even though an applicable standard may not exist.

Also give actual discharge of each contaminant in lbs/hr and tons/yr.

Item: E In the space provided for Name, give model number and serial number of control device.

On separate page, give basis for efficiency on the process, i. e. calculations, (Do not give a general efficiency).

Item: F Include the commercial standard number of fuel oil and % sulfur, e.g. No. 6 fuel oil with 2.5% sulfur.

In the space provided for daily consumption, give mean and extremes.

Heat input must be the design capacity.

If application is for boiler, include manufacturer, model no. and serial no.

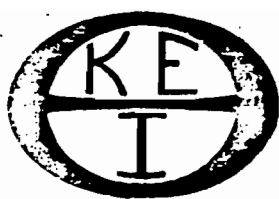
ADDITIONAL INFORMATION REQUIRED:

1. Flow diagram of process (without revealing trade secrets)

2. Plot plan

3. Stack data:

Height (ft.): 60
 Diameter (ft.): 5.0
 Temperature (°F): 160 (exit)
 Flow Rate (ft/min.) 3140 at 30" HG.



BEST AVAILABLE COPY

Kleeman Engineering, Inc.

CHEMICAL & ENVIRONMENTAL ENGINEERS

Frank S. Kleeman, P.E. - Pres.

R. Lynn Peyton - V. Pres.

805/731-94

805/731-04

ADDENDUM CALCULATIONS APPLICATION FOR PERMIT TO CONSTRUCT

FOR: U.S. SUGAR CORP.
CRAWFORD MILL BOILER #3

Item C-1 Derivation of Process Weight

Fuel Oil Burned (No. 6) 2500 lbs./ hr.

Bagasse Burned 41,030 lbs./hr.

Calculated on Btu basis as follows:

Steam Generated 100,000 lbs/hr.

Btu Value of Steam 1067 Btu/lb.

Btu Value of Fuel Oil 18,500 Btu/lb.

Furnace Efficiency 55 %

Btu Value of Bagasse 3600 Btu/lb.

Heat Output = $\frac{100,000}{1} \times \frac{1,067}{1} = 106.7 \times 10^6$ Btu/hr

Heat Input = $\frac{106.7 \times 10^6}{.55} = 194.0 \times 10^6$ Btu/hr

Heat Input from Oil = $\frac{2500 \times 18,500}{.55} = 46.3 \times 10^6$ Btu/hr

Heat Input from Bagasse = $\frac{194.0 \times 10^6 - 46.3 \times 10^6}{.55} = 147.7 \times 10^6$ Btu/hr

Bagasse Burned = $\frac{147,700,000}{3600} = 41,030$ Lbs/hr.

Total Process Weight = $\frac{2500}{1} + \frac{41,030}{1} = 43,530$ Lbs/hr

Bagasse Burned Daily = $\frac{41,030 \times 24}{2000} = 492.4$ Tons/day

Oil Burned Daily = $\frac{2500 \times 24}{2000} = 30.0$ Tons/day

Item D Emission Calculations

Stack emissions tests were conducted by U.S. SUGAR
 on Boiler #2 on Nov. 13, 14 & 15, 1978.

Particulate emissions were determined as follows: Lbs/hr.
Oil
Generated Used

Run No. _____	_____	lbs/hr.
Run No. _____	_____	" "
Run No. _____	_____	" "

Average (Boiler #2) 76.9 lbs/hr. 158,300

$76.9 \times \frac{100,000}{158,300} = 48.6$ LBS/HR ANTICIPATED PARTICULATE EMISSIONS AT OPERATING CAPACITY OF 100,000 LBS/HR

$\frac{48.6 \times 24 \times 150}{2000} = 87.5$ Tons/yr Particulates STEAM

SO₂ emissions calculated from following formula:
 (Dept. H.E.W. Pub. No. AP-52, p. 106)

Lbs. S per 1000 gals. oil burned = 158.8 x %S content of oil

$\frac{2500 \text{ lbs/hr oil}}{1000 \times 8.0 \text{ lbs/gal}} \times 158.8 \times 2.4 = 119$ lbs/hr SO₂

$119 \times 24 = 2858$ lbs/day SO₂ $\frac{2858 \times 150}{2000} = 214$ tons/y

NO_x emissions were calculated from the following formulae:
 (PHS Pub. No. 999-AP-29)

For No. 6 Oil NO_x = 104 lbs./1000 gal.

For Bagasse NO_x = 0.3 lb./10⁶ Btu Heat Input

$\frac{2500}{8.0 \text{ lbs/gal}} = 313$ gal/hr Oil

NO_x (Oil) = $\frac{313}{1000} \times 104 = 32.5$ lbs/hr x 24 = 780 lbs/day

NO_x (Bagasse) = $\frac{41,030}{3600} \times 3600 = 147.7 \times 10^6$ Btu/hr.

$147.7 \times 0.3 = 44.3$ lbs/hr. NO_x

Total NO_x = 32.5 + 44.3 = 76.8 lbs/hr.

$\frac{(32.5) \times 24 \times 150}{2000} = 58.5$ tons/yr NO_x from Oil

$\frac{(44.3) \times 24 \times 150}{2000} = 79.7$ tons/yr NO_x from Bagasse

58.5 + 79.7 = 138.2 tons/yr NO_x Total

CALCULATION OF ALLOWABLE PARTICULATE EMISSIONS

Allowable Particulates:

0.3 lbs. per 10⁶ BTU of Heat Input from Bagasse
0.1 lbs. per 10⁶ BTU of Heat Input from Oil

Heat Input (bagasse) 132.9 X 10⁶ BTU per hour
Heat Input (oil) 61.1 X 10⁶ BTU per hour

$$- \left(\frac{132.9}{39.9} \times 0.3 \right) + \left(\frac{61.1}{61} \times 0.1 \right) = \frac{46.0}{\text{Allowable Particulate Emissions}} \text{ lbs./hr.}$$

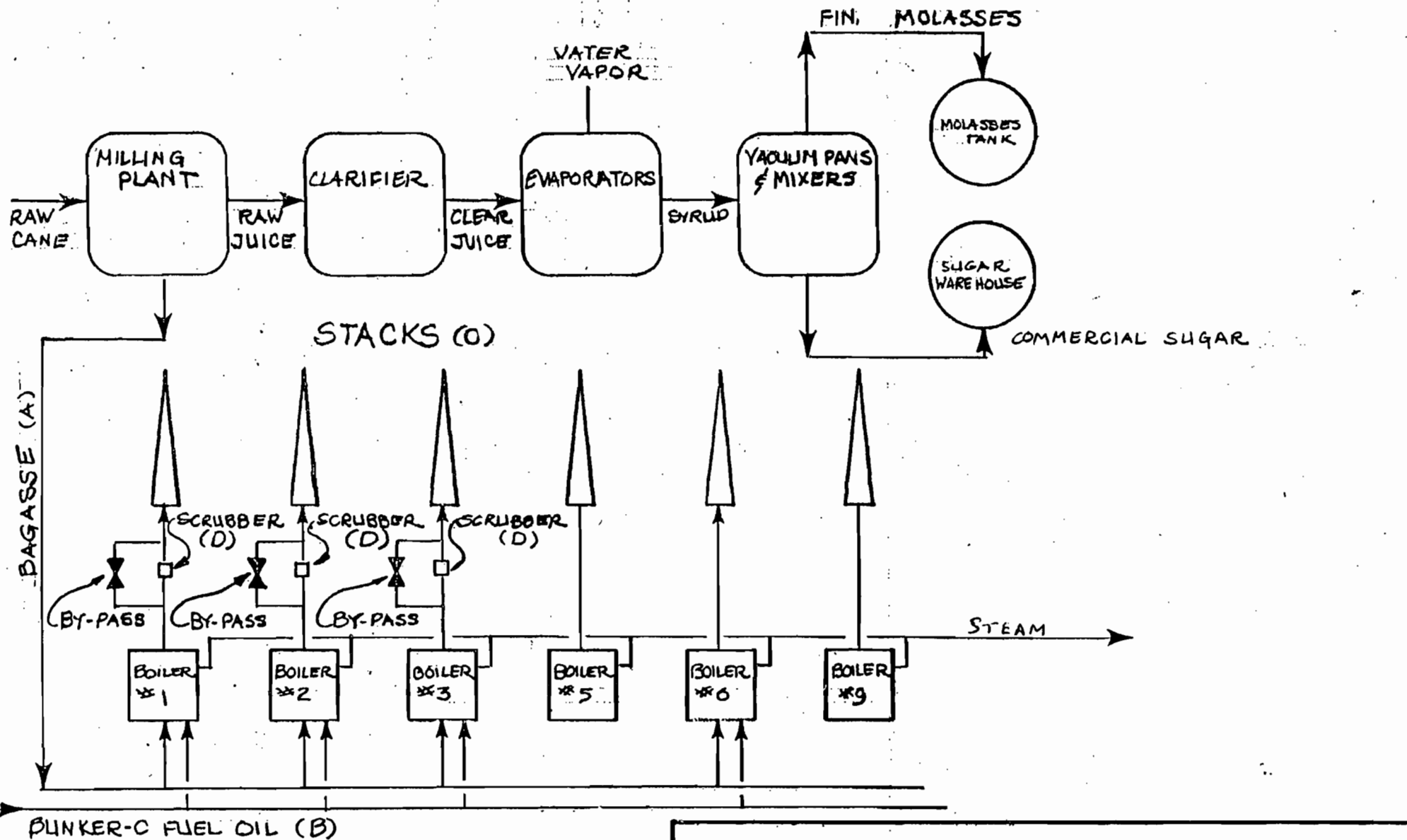
ITEM E

CALCULATION OF SCRUBBER EFFICIENCY

Inlet particulate loading to the scrubbers was calculated utilizing emission test results performed on BRYANT #1 & #2 BOILERS which are similar in design capacity. Results of tests (see the attached report(s)) were as follows:

TEST #	<u>38</u>	During	<u>2-12-74</u>	<u>808</u>	lbs./hr.
TEST #	<u>39</u>	During	<u>2-12-74</u>	<u>499</u>	lbs./hr.
TEST #	_____	During	_____	_____	lbs./hr.
AVERAGE (Boiler #1)				<u>654</u>	lbs./hr.
AVERAGE EMISSIONS FROM SCRUBBERS (Boiler #2)				<u>58.1</u>	lbs./hr.

$$\text{Scrubber Efficiency} = \frac{654 - 58.1}{654} \times 100 = \underline{91\%}$$



NOTE:

BOILERS #5 & #9 NOT IN SERVICE DURING '73/'74 PROCESSING SEASON.

KLEEMAN ENGINEERING, INC.
1507 N.W. 47th AVE • Ft. Lauderdale, Fla. 33313

SCALE: NONE

APPROVED BY:

DRAWN BY R.L.P.

DATE: 4/19/74

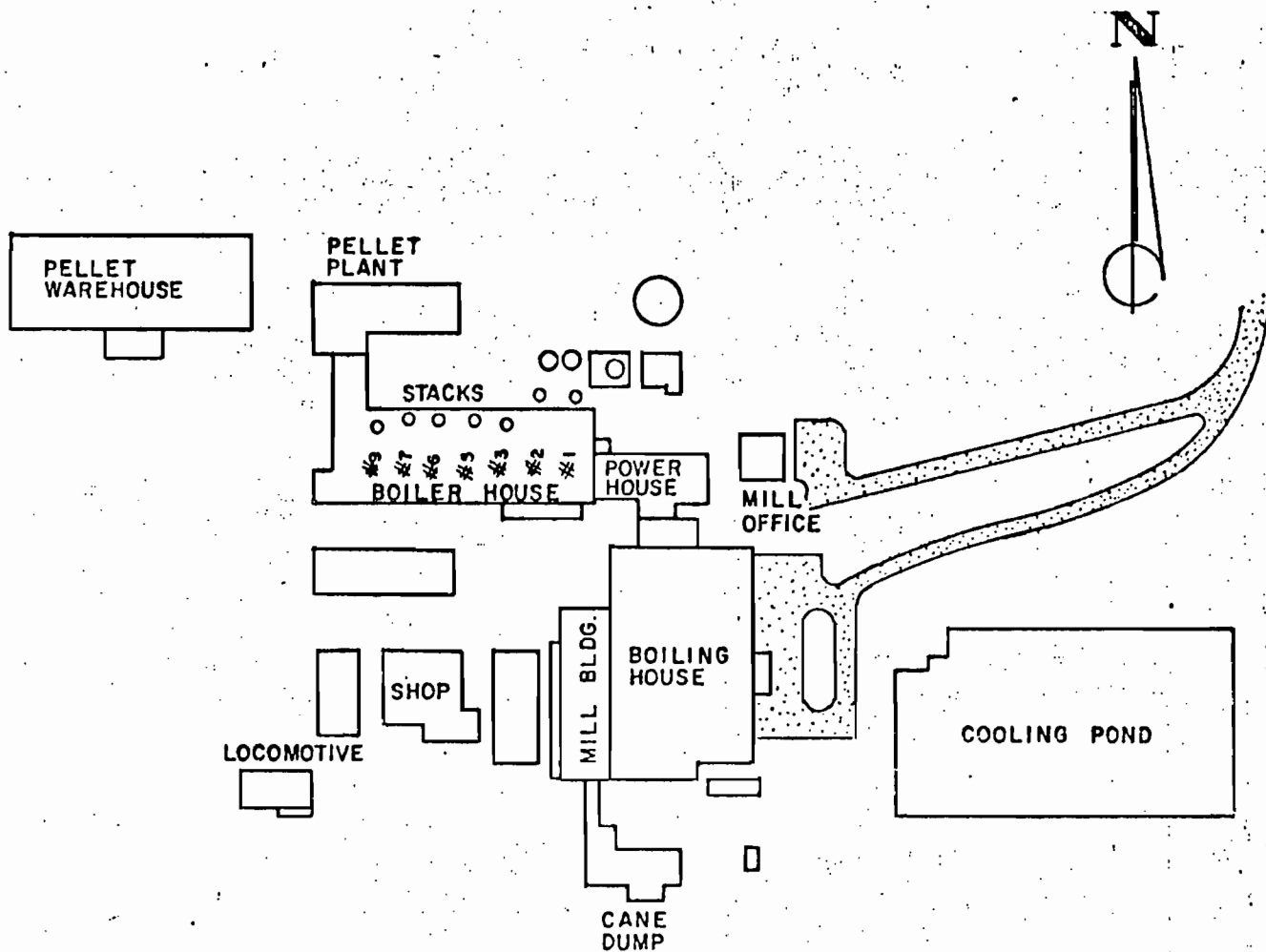
REVISED

SCHEMATIC PROCESS FLOW DIAGRAM

U.S. Sugar Corp. - Clewiston Mill - Clewiston, Fla.

Proj. No(s). 03-74-0145, 0146 & 0153

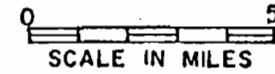
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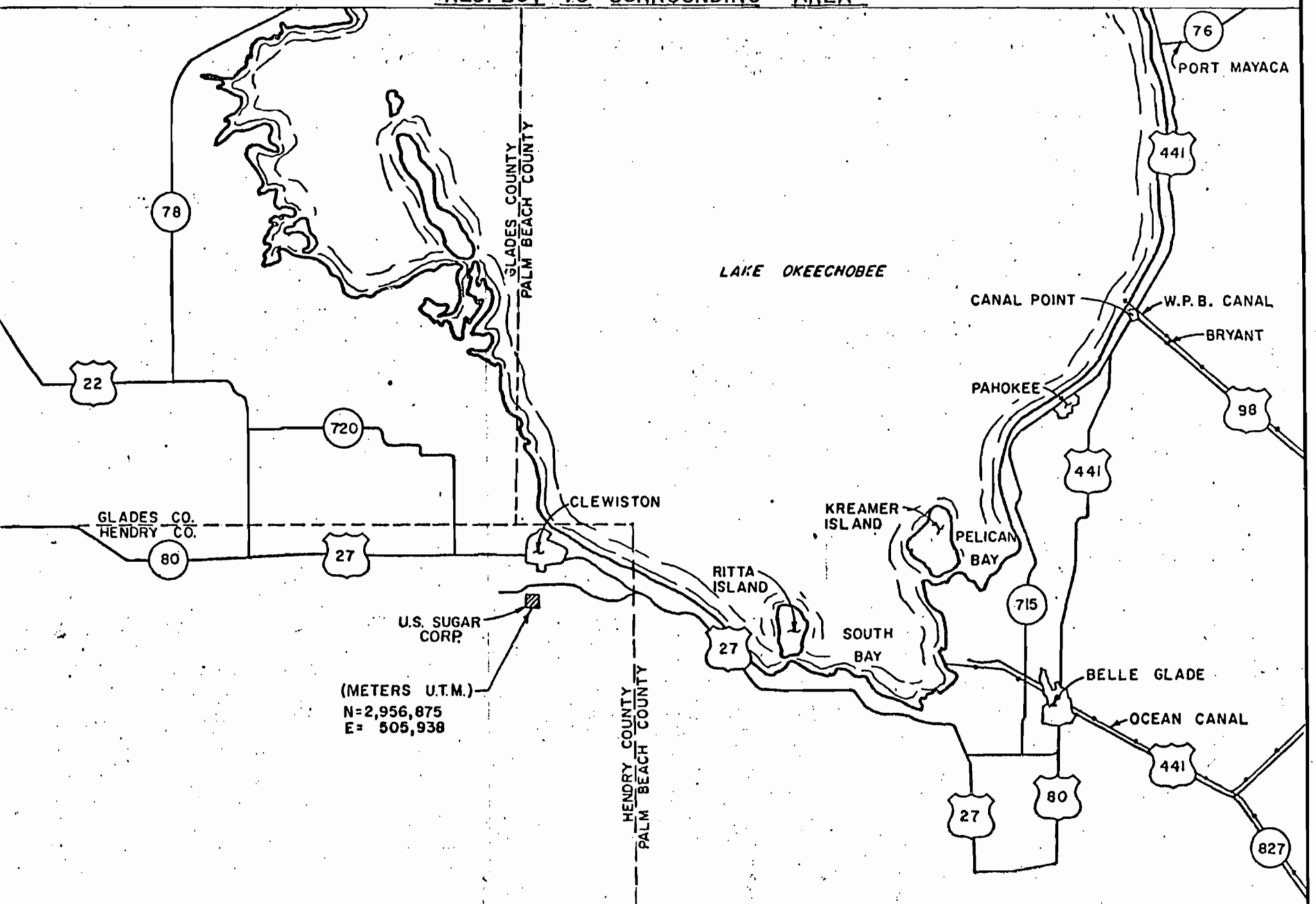
PLOT PLAN
U.S. SUGAR CORP.
CLEWISTON, FLORIDA

BEST AVAILABLE COPY

U.S. SUG. CORP.
CLEWISTON, FLA.
LOCATION OF U.S. SUGAR CORP WITH
RESPECT TO SURROUNDING AREA



76
PORT MAYACA



GLADES CO.
HENDRY CO.

(METERS U.T.M.)
N= 2,956,875
E= 505,938

HENDRY COUNTY
PALM BEACH COUNTY

STATEMENTS BY APPLICANT AND ENGINEER

A. Applicant

The undersigned owner or authorized representative of * U.S. Sugar Corp.
is fully aware that the statements made in this application for a Construction permit are
true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and
operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter
403 Florida Statutes and all the rules and regulations of the Department or revisions thereof. He also understands that a
permit, if granted by the Department, will be non-transferable and he will promptly notify the Department upon sale or
legal transfer of the permitted establishment.

A. R. Mayo

Signature of the Owner or Authorized Representative

A. R. Mayo, Vice President
Name and Title (Please Type)

Date: April 22, 1974 Telephone No.: (813) 983-8121

* Attach a letter of authorization

B. Professional Engineer Registered in Florida:

This is to certify that the engineering features of this pollution control project have been designed/examined by me and
found to be in conformity with modern engineering principles applicable to the control and discharge of pollutants
characterized in the permit application. There is reasonable assurance, in my professional judgment, that the pollution
source(s) with appropriate control facilities, when properly maintained and operated, will comply with all applicable
statutes of the State of Florida and the rules and regulations of the Department. It is also agreed that the undersigned
will furnish the applicant a set of instructions for the proper maintenance and operation of the installation covered in
this application.

Signature Frank S. Kleeman

Mailing Address: Kleeman Engineering, Inc.
1507 N.W. 47th Ave.
Ft. Lauderdale, Fla. 33313
Telephone No.: (305) 731-9121

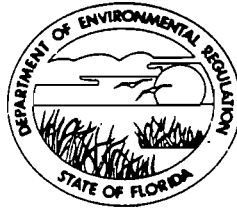
Name: Frank S. Kleeman, P.E.
(please type)

Florida Registration Number 13622
(Please affix seal)

Date: April 19, 1974

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTH FLORIDA DISTRICT
2269 BAY STREET
FORT MYERS, FLORIDA 33901-2896
(813)332-2667.



BOB MARTINEZ
GOVERNOR
DALE TWACHTMANN
SECRETARY
PHILIP R. EDWARDS
DISTRICT MANAGER

April 27, 1988



Peter Barquin, Administrative Assistant
to Senior Vice President, Sugar Houses
United States Sugar Corporation
Post Office Drawer 1207
Clewiston, Florida 33440

Re: Hendry County - AP
U. S. Sugar Corporation
Boiler No. 5
A026-147105

Dear Mr. Barquin:

Thank you for your letter of April 19, 1988 describing the typographical error in the permit for Boiler No. 5 which was issued April 8, 1988.

Enclosed please find a revised permit.

We regret any inconvenience this error may have caused you.

Sincerely,

A handwritten signature in cursive script that reads "Philip R. Edwards".

Philip R. Edwards
District Manager

PRE/DMK/jsw

Enclosure

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

April 8, 1988

A. R. Mayo, Senior Vice President,
Sugar Houses
United States Sugar Corporation
Post Office Drawer 1207
Clewiston, Florida 33440

RE: Hendry County - AP
U. S. Sugar Corporation
Boiler Number 5

Dear Mr. Mayo:

Enclosed is Permit Number AO26-147105 to operate a sugar processing plant, boiler number 5, issued pursuant to Section(s) 403.087, Florida Statutes.

Persons whose substantial interests are affected by this action have a right, pursuant to Section 120.57, Florida Statutes (FS) to petition for an administrative determination (hearing) on it. The petition must conform to the requirements of Chapters 17-103 and 28-5.201, FAC, and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within fourteen (14) days of receipt of this notice. Failure to file a petition within the fourteen (14) days constitutes a waiver of any right such person has to an administrative determination (hearing) pursuant to Section 120.57, FS. This action is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with this paragraph or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, FAC. Upon timely filing of a petition or a request for an extension of time this action will not be effective until further Order of the Department.

When the Order (Action) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, FS, 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 Office of General Counsel, 2600 Blair Stone, Tallahassee, Florida 32399-2400; 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

Continued.....

of Appeal must be filed within thirty (30) days from the date the Final Order is filed with the Clerk of the Department.

Executed in Ft. Myers, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



Philip R. Edwards
District Manager
South Florida District Office
2269 Bay Street
Fort Myers, FL 33901-2896

PRE/00/1s

CERTIFICATE OF SERVICE

This is to certify that this PERMIT and all copies were mailed before the close of business on April 28th, 1988 to the listed persons.

CLERK STAMP

FILING AND ACKNOWLEDGEMENT

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

Inene S. Herckow

CLERK

4/28/88

DATE

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTH FLORIDA DISTRICT
2269 BAY STREET
FORT MYERS, FLORIDA 33901-2896
(813)332-2667.



BOB MARTINEZ
GOVERNOR
DALE TWACHTMANN
SECRETARY
PHILIP R. EDWARDS
DISTRICT MANAGER.

PERMITTEE: A. R. Mayo, Senior Vice
President, Sugar Houses
U. S. Sugar Corporation
P. O. Drawer 1207
Clewiston, FL 33440

I.D.No: 52/26/0003/04
Permit/Certification
Number: AO26-147105
Date of Issue: 04-08-88
Expiration Date: 04-08-93
County: Hendry
Latitude: 26° 44' 05" N
Longitude: 80° 56' 19" W
Section/Town/Range: 21&22/43S/34E
Project: U. S. Sugar Corporation
Boiler No. 5

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents, attached hereto or on file with the department and made a part hereof and specifically described as follows:

Operate boiler number 5 with a steam production capacity of 70,000 LBS/HR fired with bagasse having a maximum heat input of 140.1 MMBTU/HR. Emissions are controlled by one (1) Joy Turbulaire Spray Impingement scrubber, Size 64, type D.

Plant is located at W. C. Owens Avenue and Clewiston Street, Clewiston, Florida.

DER FORM 17-1.205(5)
Effective November 30, 1982

Page 1 of 6

PERMITTEE: U. S. Sugar
Corporation

I.D. Number: 52/26/0003/04
Permit/Certification No. AO26-147105
Date of Issue: 04-08-88
Expiration Date: 04-08-93

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Section 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agent, employees, servants or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefore caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by any order from the department.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

PERMITTEE: U. S. Sugar
Corporation

I.D. Number: 52/26/0003/04
Permit/Certification No. AO26-147105
Date of Issue: 04-08-88
Expiration Date: 04-08-93

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credential or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

a. Having access to and copying any records that must be kept under the conditions of the permit;

b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and

c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

a. a description of and cause of non-compliance; and

b. the period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the Department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Section 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

PERMITTEE: U. S. Sugar
Corporation

I.D. Number: 52/26/0003/04
Permit/Certification No. AO26-147105
Date of Issue: 04-08-88
Expiration Date: 04-08-93

GENERAL CONDITIONS:

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
- () Compliance with New Source Performance Standards

14. The permittee shall comply with the following monitoring and record keeping requirements:

a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurement;
- the person responsible for performing the sampling or measurements;
- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

PERMITTEE: U. S. Sugar
Corporation

I.D. Number: 52/26/0003/04
Permit/Certification No. AO26-147105
Date of Issue: 04-08-88
Expiration Date: 04-08-93

SPECIFIC CONDITIONS:

1. Particulate emissions shall not exceed 0.30 pounds per million BTU's of carbonaceous fuel heat input.
2. Particulate emission tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the unit is capable of compliance at the permitted maximum operating rate. Test shall be conducted in accordance with EPA Method Five as published in 40 CFR-60, Appendix A, or State approved equivalent method. Such tests shall be conducted once per year commencing before February 15th. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.
3. Visible emissions shall not exceed 30% opacity under normal operation except for up to 2 minutes in any one hour at not more than 40% opacity.
4. Visible emission tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the unit is capable of compliance at the permitted maximum operating rate. Test shall be conducted in accordance with EPA Method Nine as published in 40 CFR-60, Appendix A, or State approved equivalent method. Such tests shall be conducted once per year commencing before February 15th. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.
5. All fugitive dust generated at this site shall be adequately controlled.
6. An annual operation report (DER Form 17-1.202(6) attached) shall be submitted by March 1st each year. The attached form shall be reproduced by the permittee and used for future annual submittals.
7. The existing instrumentation to monitor total pressure drop and inlet water pressure for the scrubber shall be properly maintained so as to be functional at all times.

PERMITTEE: U. S. Sugar
Corporation

I.D. Number: 52/26/0003/04
Permit/Certification No. A026-147105
Date of Issue: 04-08-88
Expiration Date: 04-08-93

SPECIFIC CONDITIONS:

8. Stack sampling facilities provided by the owner shall be in accordance with the requirements of Chapter 17-2.700(4), Florida Administrative Code.

Issued this 8th day of April, 1988.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION



Philip R. Edwards
District Manager

PRE/00/1s

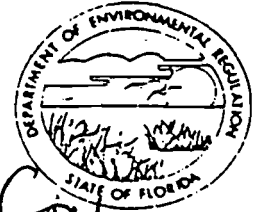
9 Pages Attached

DER Form 17-1.201(5)
Effective November 30, 1982

Page 6 of 6

DEPARTMENT OF ENVIRONMENTAL REGULATION

A066
P/SEC
DK
BOB MARTINEZ
GOVERNOR
DALE TWACHTMANN
SECRETARY
662



Owner's Copy

RECEIVED

MAR 23 1988

D.E.R. DISTRICT

APPLICATION FOR RENEWAL OF PERMIT TO OPERATE AIR POLLUTION SOURCE(S)

If major alterations have occurred, the applicant should complete the Standard Air Permit Application Form.

Source Type: Bagasse Boiler Renewal of DER Permit No. A026-68179

Company Name: U.S. Sugar Corp. County: Hendry

Identify the specific emission point source(s) addressed in this application (i.e., Lime Siln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired):

Clewiston Mill - Boiler No. 5 with Joy Turbulaire, Size 64 type scrubber

Source Location: Street: W. C. Owens Avenue & Clewiston St. City: Clewiston

UTM: East Zone 17: 505.94 km North 2956.88 km

Latitude: 2 6° 4 4' 3 0"N. Longitude: 8 0° 5 6' 1 5"W.

1. Attach a check made payable to the Department of Environmental Regulation in accordance with operation permit fee schedule set forth in Florida Administrative Code Rule 17-4.05.
2. Have there been any alterations to the plant since last permitted? [] Yes [X] No
If minor alterations have occurred, describe on a separate sheet and attach.
3. Attach the last compliance test report required per permit conditions if not submitted previously. Previously submitted.
4. Have previous permit conditions been adhered to? [X] Yes [] No If no, explain on a separate sheet and attach.
5. Has there been any malfunction of the pollution control equipment during tenure of current permit? [] Yes [X] No If yes, and not previously reported, give brief details and what action was taken on a separate sheet and attach.
6. Has the pollution control equipment been maintained to preserve the collection efficiency last permitted by the Department? [X] Yes [] No
7. Has the annual operating report for the last calendar year been submitted? [X] Yes [] No If no, please attach.

8. Please provide the following information if applicable:

A. Raw Materials and Chemical Used in Your Process:

Description	Contaminant		Utilization	
	Type	%Wt	Rate	lbs/hr
N/A				

B. Product Weight (lbs/hr): 70,000 lb/hr steam

C. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	Avg/hr*	Max/hr**	
Bagasse	32,090	38,920	140.1

D. Normal Equipment Operating Time: hrs/day 24 ; days/wk 7 ; wks/yr 20 ;
 hrs/yr (power plants only) _____ ; if seasonal, describe _____
November - March

I, the undersigned owner or authorized representative*** of U.S. Sugar Corp.
 is fully aware that the statements made in this application for a renewal of a permit to
 operate an air pollution source are true, correct and complete to the best of his knowledge
 and belief. Further, the undersigned agrees to maintain and operate the pollution source
 and pollution control facilities in such a manner as to comply with the provisions of Chap-
 ter 403, Florida Statutes, and all the rules and regulations of the Department. He also
 understands that a permit, if granted by the Department, will be non-transferable and he
 will promptly notify the Department upon sale or legal transfer of the permitted facility.

*During actual time of operation.

**Units: Natural Gas-MMCF/hr;
 Fuel Oils-barrels/hr; Coal-
 lbs/hr.

***Attach letter of authorization if not previously submitted

A. R. Mayo
 Signature, Owner or Authorized Representative
 (Notarization is mandatory)
A. R. Mayo, Senior Vice President
 Typed Name and Title
P.O. Drawer 1207 Address
Clewiston Florida 33440
 City State Zip
Mar. 21, 1988 Date (813) 983-8121 Telephone No.

DER Form 17-1.202(4)
 Effective November 30, 1982

Page 2 of 2

STATE OF FLORIDA
 COUNTY OF HENDRY

Sworn to and subscribed before me this 21st day of March, 1988.

My commission expires: 10-5-88

Quanita M. Taylor
 Notary Public, State of Florida at Large



STATE OF FLORIDA
DEPARTMENT OF POLLUTION CONTROL
SUITE 401
2180 WEST 1ST STREET
FORT MYERS, FLORIDA 33901

PETER P. BALJET
EXECUTIVE DIRECTOR

W.D. FREDERICK, JR.
CHAIRMAN

January 16, 1975

Mr. A. R. Mayo, Vice Pres.
U. S. Sugar Corporation
P. O. Box 1207
Clewiston, Fla. 33440

Re: Hendry Co. - A. P.
U. S. Sugar Corp.
Boilers #5, #6

Dear Mr. Mayo:

Pursuant to your recent application, please find enclosed a permit (No. *) dated 1-15-75 to construct the subject pollution source.

This permit will expire on 11-30-75 , and will be subject to the conditions, requirements and restrictions checked or indicated otherwise in the attached sheet construction "Permit Conditions."

This permit is issued under the authority of Florida Statutes 403.061(16). The time limits imposed herein are a condition of this permit and are enforceable under Florida Statute 403.161. You are hereby placed on Notice that the Department will review this permit before the scheduled date of expiry and will seek court action for violation of the conditions and requirements of this permit.

You have ten (10) days from the date of receipt hereof within which to seek a review of the conditions and requirements contained in this permit.

Your continued cooperation in this matter is appreciated, and in future communication please refer to your permit number.

Yours truly,

Philip R. Edwards
Regional Administrator

PRE/mh
* AC26-2031A
AC26-2032A

John R. Middlemas
BOARD MEMBER

Susan Wilson
BOARD MEMBER

Mark D. Hollis
BOARD MEMBER

Y.E. Hall
BOARD MEMBER

STATE OF FLORIDA
DEPARTMENT OF AIR AND WATER
POLLUTION CONTROL

CONSTRUCTION PERMIT

FOR U. S. Sugar Corporation
P. O. Box 1207
Clewiston, Fla. 33440

PERMIT NO. AC26-2031A

DATE 1/15/75

PURSUANT TO THE PROVISION OF SECTION 403.061 (16) OF CHAPTER 403, FLORIDA STATUTES AND CHAPTER 17-4 FLORIDA ADMINISTRATIVE CODE, THIS PERMIT IS ISSUED TO:

Mr. A. R. Mayo, Vice President

FOR THE CONSTRUCTION OF THE FOLLOWING:

Control system for Boiler #5 consisting of one Joy
Impingement Scrubber, Size 64.

LOCATED AT: Foot of Owen St., Clewiston, Hendry Co.

UTM E 7,505,938 N 2,956,875

IN ACCORDANCE WITH THE APPLICATION DATED 11/25/74

AND IN CONFORMITY WITH THE STATEMENTS AND SUPPORTING DATA ENTERED THEREIN, ALL OF WHICH ARE FILED WITH THE DEPARTMENT AND ARE CONSIDERED A PART OF THIS PERMIT.

THIS PERMIT SHALL BE EFFECTIVE FROM THE DATE OF ITS ISSUANCE UNTIL 11/30/75

AND SHALL BE SUBJECT TO ALL APPLICABLE LAWS OF THE STATE AND THE RULES AND REGULATIONS OF THE DEPARTMENT.

Philip R. Edwards

Philip R. Edwards
Regional Administrator

Peter P. Baljet

EXECUTIVE DIRECTOR



**STATE OF FLORIDA
DEPARTMENT OF POLLUTION CONTROL**

APPLICATION TO OPERATE/CONSTRUCT POLLUTION SOURCES

**SECTION I - GENERAL INFORMATION FOR ALL POLLUTION SOURCES
I TO BE FILLED IN BY APPLICANT**

Source Type: Air Pollution
 Type application: Operation Temporary Operation Construction
 Status Source: New Existing Modification

Source Name: U. S. Sugar Corp. Clewiston Mill County: Henry
Boiler #5 Mfg. by Edge Moor Iron Co. Serial #3030
 Source Location: Street: Foot of Owen St. City: Clewiston
 (Water Source Only) Lat: _____ Long: _____
 (Air Source Only) UTM: East 7505938 North 2956875

Appl. Name and Title: A. R. Mayo, Vice President
 Appl. Address: U. S. Sugar Corp. P.O. Box 1207 Clewiston, Fla. 33440

II TO BE FILLED IN BY REGION (*BY BUREAU OF PERMITTING)

Control No: _____ Region _____ County _____ Type _____ *Project _____

Type Permit	Date Rec'd	*Permit No.	*Issue Date	*Compl. Date	*Exp. Date

Source Description: _____
 Control Equipment: _____

Water Permits

Receiving Body Code: _____ Surface Water Code: _____
 Station No.: Influent: _____ Effluent: _____
 Effluent: _____ Average _____ Design _____ % Reduction _____

	Average	Design	% Reduction
Flow rate, MGD	_____	_____	_____
BOD, lbs/day	_____	_____	_____
Susp. Sol., lbs/day	_____	_____	_____
Other: _____	_____	_____	_____

Air Permits

Operating Time: Continuous Intermittent
 Fuel: Type _____ M-BTU/hr. In Put _____
 Incinerator: Capacity, tons/day _____ Type Waste _____
 Mfg. & Model _____

Pollutant Emissions, lbs/day	Actual	Design	Allowable
Particulate	_____	_____	_____
Sulfur Oxides	_____	_____	_____
Other: _____	_____	_____	_____

Implementation: Estimated Appl. Filing Date _____
 Estimated Start of Const. _____ Estimated Compliance Date _____

DESCRIPTION OF PROPOSED PROJECT

- A. Describe the nature and extent of the proposed project. Refer to existing pollution control facilities, DPC permits, conditions, orders and notices, expected improvement in performance of the facilities and state whether the proposed project will result in full compliance of the source. Attach additional sheet if necessary.

Pollution control facility consists of a Joy Mfg. Co. Turbulaire impingement-type scrubber, size (90) type D. This scrubber is similar to those installed on Boilers #1, 2 & 3. By-pass is provided for emergency use only, such as for cleaning necessitated by plugging of scrubber.

Stack emissions tests indicate that the facility will provide full compliance of the source with applicable standards.

- B. Schedule of Project Covered in this Application (Construction Permit Application Only).

Federally or State Financed Projects only:

Planning Complete N.A.

Financing Program Complete _____

Indicate other local, state and/or federal agency approvals and dates _____

All projects: 12-1-74

Start of Construction ██████████

Completion of Construction 8-15-75

- C. Costs of Construction (Show a breakdown of costs for individual components/units of the proposed project serving pollution control purpose only). Information on actual costs shall be furnished with the application for operation permit.

Estimated cost of scrubber plus installation \$60,000

- D. Indicate any previous DPC permits, issuance dates, and expiration dates.

This boiler is operating under Permit No. AO-26-2032, issued 5-16-73 and expiring on 7-1-75.

AIR POLLUTION SOURCES & CONTROL DEVICES

A. Identification of Air Contaminants

- 1) Particulates
 - a) Dust b) Fly Ash c) Smoke d) Other (Identify)
- 2) Sulfur Compounds
 - a) SO_x as SO₂ b) Reduced Sulfur as H₂S c) Other (Identify)
- 3) Nitrogen Compounds
 - a) NO_x as NO₂ b) NH₃ c) Other (Identify)
- 4) Flourides 5) Acid Mist 6) Odor
- 7) Hydrocarbons 8) Volatile Organic Compounds
- 9) Other (Specify): _____

B. Raw Materials and Chemicals Used (Be Specific)

Description	Utilization Tons/day, lbs./day, etc.	Approximate Contaminant Content		Relate to Flow Diagram
		Type	% Wt.	
Bagasse	446.7 T/day	-	-	A

C. Process Weight:

- 1) Total Process Weight Rate 37,720 lbs./hr. [See Sec. 17-2.04(2)]
- 2) Product Weight 70,000 lb./hr. expressed as Steam
- 3) Normal Operating Time 24 hrs. per day, if seasonal describe: Approx. 150 days per yr (Nov. 1 thru March 31)

D. Airborne Contaminants Discharged:

Name of Contaminant	Actual Discharge	Discharge Criteria*	Allowable Discharge*	Relate Location to Flow Diagram
Particulates	34.0 lbs/hr 61.2 T/yr	Btu Std.	40.7 lbs/hr	C
NO _x	36.0 lbs/hr 64.8 T/yr	N.A.	N.A.	C

* Refer to Chapter 17-2 Florida Administrative Code
(Discharge Criteria: Process Weight Rate, #/tonP₂O₅, #/M BTU/hr etc.)

E. Control Devices:

Name	Eff.	Conditions of Operation, Particle Size Range, etc.	Relate to Flow Diagram
Joy Turbulaire Impingement-type			
Scrubber, Model No. (Type) D, Size 90, Serial No. not avail.	83.8% Min.	65% 10 microns & up 35% under 10 microns	D

F. Fuels:

Type (Be specific)	Daily Consumption	Heat Input BTU/hr.	Relate to Flow Diagram
Bagasse	446.7 Tons/day	135.8 x 10 ⁶	A

G. Describe briefly, without revealing trade secrets, the unit processes/operations generating the airborne emissions identified in this application:

See Addendum Sheets and Process Flow Diagram.

H. Indicate liquid or solid wastes generated and method of disposal.

Scrubber water is used to sluice cane juice mud, which is impounded in settling ponds.

ADDENDUM TO PERMIT APPLICATION
FOR
AIR POLLUTION SOURCES

Listed below are clarifications of some of the information required on the application form. All information submitted must be in the format outlined below. Space is also provided below for additional information not contained in the original form.

AIR POLLUTION SOURCES & CONTROL DEVICES:

Item: C 1) Show the derivation of process weight.

Item: C 3) Normal operating time must be given as Hrs/Day, Days/Week and Weeks/Year.

If seasonal, give % operation by month.

Contaminants must include but not limited to: particulate matter, sulfur oxides, carbon monoxide, hydrocarbons and nitrogen oxides. This information must be submitted even though an applicable standard may not exist.

Also give actual discharge of each contaminant in lbs/hr and tons/yr.

Item: E In the space provided for Name, give model number and serial number of control device.

On separate page, give basis for efficiency on the process, i. e. calculations, (Do not give a general efficiency).

Item: F Include the commercial standard number of fuel oil and % sulfur, e.g. No. 6 fuel oil with 2.5% sulfur.

In the space provided for daily consumption, give mean and extremes.

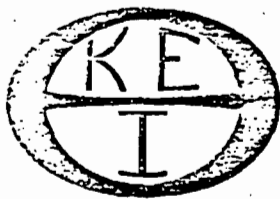
Heat input must be the design capacity.

If application is for boiler, include manufacturer, model no. and serial no.

ADDITIONAL INFORMATION REQUIRED:

1. Flow diagram of process (without revealing trade secrets)
2. Plot plan
3. Stack data:

Height (ft.):	65	
Diameter (ft.):	6.0	
Temperature (°F):	160	(exit)
Flow Rate (ft/min.)	3140	at 30" Hg.



Kleeman Engineering, Inc.

CHEMICAL & ENVIRONMENTAL
ENGINEERS

Frank S. Kleeman, P.E. - Pres.

205/731-

R. Lynn Peyton - V. Pres.

205/731-0

ADDENDUM CALCULATIONS
APPLICATION FOR PERMIT TO

CONSTRUCT

FOR: U.S. SUGAR CORP.
CLEWISTON MILL - BOILER #5

Item C-1 Derivation of Process Weight

Fuel Oil Burned () NONE lbs./hr.

Bagasse Burned 37,720 lbs./hr.

Calculated on Btu basis as follows:

Steam Generated 70,000 lbs/hr.

Btu Value of Steam 1067 Btu/lb.

Btu Value of Fuel Oil - Btu/lb.

Furnace Efficiency 55 %

Btu Value of Bagasse 3600 Btu/lb.

Heat Output = 70,000 x 1067 = 74.7 x 10⁶ Btu/

Heat Input = 74.7 x 10⁶ = 135.8 x 10⁶ Btu/

Heat Input from Oil = .55 x - = - Btu/

Heat Input from Bagasse = - = 135.8 x 10⁶ Btu/

Bagasse Burned = 135,800,000 = 37,720 Lbs/hr.

Total Process Weight = 3600 + - = 37,720 Lbs/

Bagasse Burned Daily = 37,720 x 24 = 446.7 Tons/day

Oil Burned Daily = 2,000 = - Tons/day

Item D Emission Calculations

Stack emissions tests were conducted by U.S. SUGAR CORP.
 on BOILER # 2 on Nov. 13, 14 & 15, 1973.

Particulate emissions were determined as follows: Lbs/hr.
Oil
Generated Use

Run No. _____ lbs/hr.
 Run No. _____ " "
 Run No. _____ " "

Average 76.9 lbs/hr.

$76.9 \times \frac{70,000}{158,300} = 34.0 \text{ lbs/hr. ANTICIPATED PARTICULATE EMISSIONS AT OPERATING CAPACITY OF } 70,000 \text{ lbs/hr. STEAM}$

$\frac{34.0 \times 24 \times 150}{2000} = 61.2 \text{ Tons/yr Particulates}$

SO₂ emissions calculated from following formula:
 (Dept. H.E.W. Pub. No. AP-52, p. 106)

Lbs. S per 1000 gals. oil burned = 158.8 x %S content of oil

$\frac{\text{lbs/hr oil}}{1000 \times 8.0 \text{ lbs/gal}} \times 158.8 \times \text{_____} = \text{_____ lbs/hr SO}_2$

$\text{_____} \times 24 = \text{_____ lbs/day SO}_2 = \text{_____ tons}$

NO_x emissions were calculated from the following formulae:
 (PHS Pub. No. 999-AP-29)

For No. _____ Oil NO_x = _____ lbs./1000 gal.

For Bagasse NO_x = 0.3 lb./10⁶ Btu Heat Input

$\frac{8.0 \text{ lbs/gal}}{\text{_____}} = \text{_____ gal/hr Oil}$

NO_x (Oil) = _____ x _____ = _____ lbs/hr x 24 = _____ lbs/day

NO_x (Bagasse) = 37,720 x 3,600 = 120.0 x 10⁶ Btu/hr.

$\frac{120.0}{\text{_____}} \times 0.3 = \text{36.0 lbs/hr. NO}_x$

Total NO_x = _____ + _____ = _____ lbs/hr.

$\frac{\text{()} \times 24 \times 150}{2000} = \text{_____ tons/yr NO}_x \text{ from Oil}$

$\frac{\text{(36.0)} \times 24 \times 150}{2000} = \text{64.8 tons/yr NO}_x \text{ from Bagasse}$

$\text{_____} + \text{_____} = \text{64.8 tons/yr NO}_x \text{ Total}$

Calculation of Allowable Particulate Emissions

Criteria for Allowable Particulates:

Bagasse 0.3 lbs per 10^6 Btu of Heat InputOil 0.1 lbs per 10^6 Btu of Heat InputHeat Input from Bagasse = 135.8 $\times 10^6$ Btu/hr.Heat Input from Oil = Btu/hr.
$$(\underline{135.8} \times 0.3) + (\underline{\quad\quad} \times 0.1) = \underline{40.7} \text{ lbs/hr. Allowable Particulate Emission}$$

Item E Calculation of Scrubber Efficiency

Inlet particulate loading to the scrubber was calculated utilizing emissions test results performed on CLEWISTON BOILER #6 which is of similar design.

Test No. 1 Date 3-25-74 210 lbs/hr.Test No. Date lbs/hr.Test No. Date lbs/hr.Average 210 lbs/hr.Average emissions from Scrubber 34.0 lbs/hr.
$$\text{Scrubber Efficiency} = \frac{210 - 34.0}{210} \times 100$$

$$= \underline{83.8} \%$$

PELLET
WAREHOUSE

PELLET
PLANT

STACKS

BOILER HOUSE

POWER
HOUSE

MILL
OFFICE

SHOP

MILL BLDG.

BOILING
HOUSE

COOLING POND

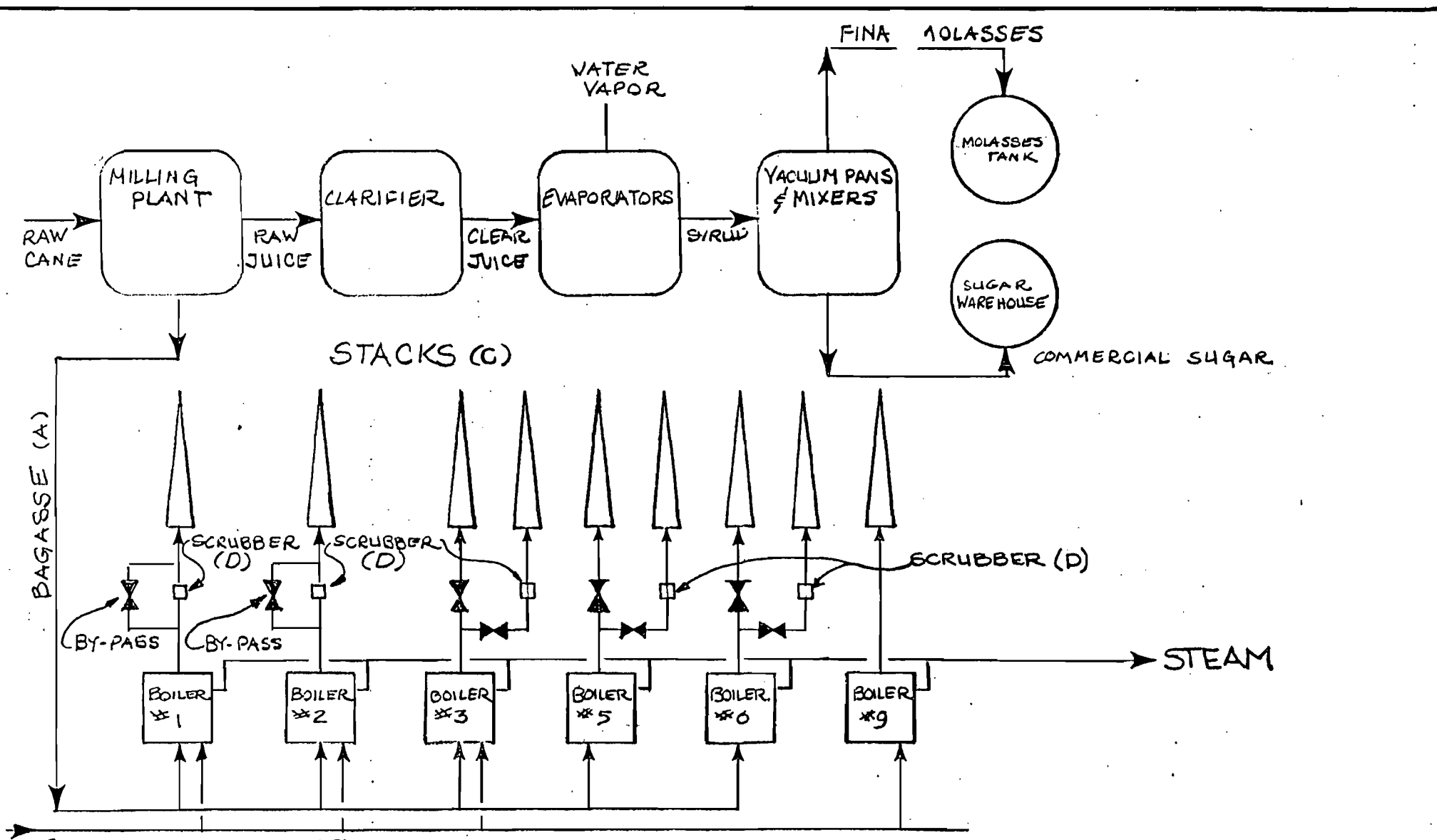
LOCOMOTIVE

CANE
DUMP



PLOT PLAN

U.S. SUGAR CORP.
CLEWISTON, FLORIDA



BUNKER-C FUEL OIL (B)

NOTE:

BOILERS #5 & #6 USE BAGASSE ONLY
BOILER #9 USED AS STAND-BY
 FIRED BY OIL ONLY

KLEEMAN ENGINEERING, INC.
 1507 N.W. 47th AVE • Ft. Lauderdale, Fla. 33313

SCALE: NONE
 DATE: 4/19/74

APPROVED BY:

DRAWN BY R.L.P.
 REVISED

SCHEMATIC PROCESS FLOW DIAGRAM
 U.S. Sugar Corp. - Clewiston Mill - Clewiston, Fla.

Proj. No(s). 03-74-0145, 0146 & 0153

DRAWING NUMBER

STATEMENTS BY APPLICANT AND ENGINEER

A. Applicant

The undersigned owner or authorized representative of * U. S. Sugar Corp. is fully aware that the statements made in this application for a Construct permit are true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter 403 Florida Statutes and all the rules and regulations of the Department or revisions thereof. He also understands that a permit, if granted by the Department, will be non-transferable and he will promptly notify the Department upon sale or legal transfer of the permitted establishment.

A. R. Mayo

Signature of the Owner or Authorized Representative

A. R. Mayo, Vice President

Name and Title (Please Type)

Date: November 25, 1974 Telephone No.: (813) 983-8121

* Attach a letter of authorization

B. Professional Engineer Registered in Florida:

This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the control and discharge of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that the pollution source(s) with appropriate control facilities, when properly maintained and operated, will comply with all applicable statutes of the State of Florida and the rules and regulations of the Department. It is also agreed that the undersigned will furnish the applicant a set of instructions for the proper maintenance and operation of the installation covered in this application.

Signature Frank S. Kleeman

Mailing Address: Kleeman Engineering, Inc,
1507 N.W. 47th Ave.

Ft. Lauderdale, Fla. 33319

Name: Frank S. Kleeman, P.E.
(please type)

Telephone No.: (305) 731-9121

Florida Registration Number 13622
(Please affix seal)

Date: November 25, 1974

DEPARTMENT OF ENVIRONMENTAL REGULATION

*copy of
FRS
Permit*

SOUTH FLORIDA
DISTRICT

2269 BAY STREET
FORT MYERS, FLORIDA 33901-2896



BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

PHILIP R. EDWARDS
DISTRICT MANAGER

September 16, 1986

A. R. Mayo, Vice President, Sugar Houses
United States Sugar Corporation
Post Office Drawer 1207
Clewiston, FL 33440

Re: Hendry County - AP
U.S. Sugar Corporation
Clewiston Boiler No. 6
AO 26-123705

Dear Mr. Mayo:

In accordance with instructions from the Bureau of Air Quality Management the operating permit for Boiler No.6 is hereby modified as follows:

Specific Condition No. 8 is deleted in its entirety.

All other permit conditions remain as issued. This letter becomes a part of the operating permit for Boiler No. 6 and must be attached to that permit.

Sincerely,

Philip R. Edwards
District Manager

PRE/DMK/wlb

cc: Willard Hanks
Peter Cunningham

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION



August 20, 1986

A. R. Mayo, V. P. - Sugar Houses Re: Hendry County - AP
United States Sugar Corporation U. S. Sugar Corp.
P. O. Drawer 1207 Boiler Number 6
Clewiston, Florida 33440

Dear Mr. Mayo:

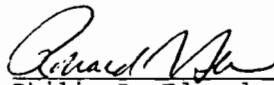
Enclosed is Permit Number A026-123705 to Operate a Sugar processing plant, bagasse boiler No. 6, issued pursuant to Section(s) 403.087, Florida Statutes.

Persons whose substantial interests are affected by this permit have a right, pursuant to Section 120.57, Florida Statutes, to petition for an administrative determination (hearing) on it. The petition must conform to the requirements of Chapters 17-103 and 28-5.201, FAC, and must be filed (received) in the Department's Office of General Counsel, 2600 Blair Stone Road, Tallahassee 32399-2400, within fourteen (14) days of receipt of this notice. Failure to file a petition within the fourteen (14) days constitutes a waiver of any right such person has to an administrative determination (hearing) pursuant to Section 120.57, Florida Statutes. This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with this paragraph or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, FAC. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, 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 Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; 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 days from the date the Final Order is filed with the Clerk of the Department.

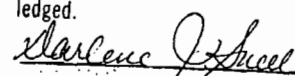
Executed in Ft. Myers, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


Philip R. Edwards
District Manager
2269 Bay Street
Ft. Myers, FL 33901-2896

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on August 21, 1986 to the listed persons.

Clerk Stamp
FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to S 120.52
Florida Statutes, with the designated Department Clerk, receipt of which is hereby acknowledged.
 8-21-86
CLERK

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTH FLORIDA
DISTRICT2289 BAY STREET
FORT MYERS, FLORIDA 33901-2896BOB GRAYHAM
GOVERNORVICTORIA J. TSCHINKEL
SECRETARYPHILIP R. EDWARDS
DISTRICT MANAGER

PERMITTEE: A. R. Mayo, V.P. - Sugar Houses I.D. Number: 52/26/0003/06
 U. S. Sugar Corp. Permit/Certification Number: AQ26-123705
 P. O. Drawer 1207 Date of Issue: August 20, 1986
 Clewiston, FL 33440 Expiration Date: August 20, 1991
 County: Hendry
 Latitude/Longitude:
 26°44'05"N
 80°56'17"W
 Section/Township/Range: 21 & 22/43S/34E
 Project: U. S Sugar Corp.
 Boiler No. 6

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 & 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawings(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Operate Boiler No. 6 with a design steam production capacity of 70,000 lbs/hr fired with bagasse. Emissions are controlled by one (1) Joy Turbulaire Impingement scrubber, Type D, Size 90.

Plant is located at the foot of W. C. Owens Street, Clewiston, Florida.

PERMITTEE: U. S. Sugar Corporation

I.D. Number: 52/26/0003/06

Permit/Certification Number: A026-123705

Date of Issue: August 20, 1986

Expiration Date: August 20, 1991

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Section 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefor caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

PERMITTEE: U. S. Sugar Corporation

I.D. Number: 52/26/0003/06

Permit/Certification Number: A026-123705

Date of Issue: August 20, 1986

Expiration Date: August 20, 1991

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

PERMITTEE: U. S. Sugar Corporation

I.D. Number: 52/26/0003/06

Permit/Certification Number: A026-123705

Date of Issue: August 20, 1986

Expiration Date: August 20, 1991

GENERAL CONDITIONS:

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
- () Compliance with New Source Performance Standards

14. The permittee shall comply with the following monitoring and record keeping requirements:

a. Upon Request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.

c. Records of monitoring information shall include:

- ___ the date, exact place, and time of sampling or measurements;
- ___ the person responsible for performing the sampling or measurements;
- ___ the date(s) analyses were performed;
- ___ the person responsible for performing the analyses;
- ___ the analytical techniques or methods used; and
- ___ the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

PERMITTEE: U. S. Sugar Corporation

I.D. Number: 52/26/0003/06
Permit/Certification Number: A026-123705
Date of Issue: August 20, 1986
Expiration Date: August 20, 1991

SPECIFIC CONDITIONS:

1. Particulate emissions shall not exceed 0.30 pounds per million BTU's of carbonaceous fuel heat input.
2. Particulate emission tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the unit is capable of compliance at the permitted maximum operating rate. Test shall be conducted in accordance with EPA Method 5 as published in 40 CFR-60, Appendix A, or State approved equivalent method. Such tests shall be conducted once per year commencing before February 15th. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.
3. Visible emissions shall not exceed 30% opacity under normal operation except for up to 2 minutes in any one hour at not more than 40% opacity.
4. All fugitive dust generated at this site shall be adequately controlled.
5. An annual operation report (DER Form 17-1.202(6) attached) shall be submitted by March 1st each year. The attached form shall be reproduced by the permittee and used for future annual submittals.
6. The scrubber control system shall be equipped with instrumentation to monitor total pressure drop and inlet water pressure. Such instrumentation shall be properly maintained so as to be functional at all times.
7. Stack sampling facilities provided by the owner shall be in accordance with the requirements of Chapter 17-2.700(4), Florida Administrative Code.

In accordance with instructions from the Bureau of Air Quality Management the operating permit for Boiler No.6 is hereby modified as follows:

Specific Condition No. 8 is deleted in its entirety.

All other permit conditions remain as issued. This letter becomes a part of the operating permit for Boiler No. 6 and must be attached to that permit.

September 16, 1986

DEPARTMENT OF ENVIRONMENTAL REGULATION



Philip R. Edwards
District Manager

PRE/00/vo

Pages Attached

DER Form 17-1.201(5)
Effective November 30, 1982

Page 5 of 5

DER1984 RULES OF ADMINISTRATIVE PROCEDURE - NON-RULEMAKING 17-103

of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32301. Failure to petition to intervene within the allowed time frame constitutes a waiver of any right such person has to an administrative determination (hearing) under Section 120.57, F.S.

(4) Notice to substantially affected persons concerning applications for Department permits is an essential and integral part of the state environmental licensing process. Therefore, no application for a permit for which publication of notice is required shall be granted until and unless proof of publication of Notice is furnished to the appropriate Department permitting office.

(5)(a) Any applicant or person benefiting from the Department's action may elect to publish notice of proposed agency action in the manner provided by subsection (2) or (3). Any person who elects to publish notice of proposed agency action, upon presentation of proof of publication to the Department, prior to final agency action, shall be entitled to the same benefits under this rule as a person who is required to publish notice of proposed agency action. Since persons whose substantial interests are affected by a Department decision on a permit application may petition for an administrative proceeding within fourteen (14) days after receipt of notice and since, unless notice is given or published as prescribed in this rule, receipt of notice can occur at any time, the applicant or persons benefiting from the Department's action cannot justifiably rely on the finality of

the Department's decision without the notice having been duly given or published.

(b) The notices required by this rule may be combined with other notices required by the Department pursuant to Chapter 403, 376, or 253, F.S., or Chapter 17, FAC.

(c) The provisions of this section shall also apply to the permitting of hazardous waste facilities, but only to the extent it is consistent with Chapter 17-30, Part IV, FAC. Whenever Chapter 17-30, Part IV, FAC, provides for a different time or notice procedure than that set forth in this section the time and notice provisions of Chapter 17-30 shall govern.

(6) Failure to publish any notice of application, notice of proposed agency action, or notice of agency action required by the Department shall be an independent basis for the denial of a permit. Specific Authority: 120.53, 403.0876, 403.815, F.S. Law Implemented: 120.53, F.S. History: New 9-20-79, Amended 4-28-81, Transferred from 17-1.62 and Amended 6-1-84.

17-103.155 Petition for Administrative Hearing; Waiver of Right to Administrative Proceeding.

(1)(a) Any person whose substantial interests may be affected by proposed or final agency action may file a petition for administrative proceeding. A petition shall be in the form required by this Chapter and Chapter 28-5, FAC, and shall be filed (received) in the Office of General Counsel of the Department within fourteen (14) days of receipt of notice of proposed agency action or within fourteen (14) days of receipt of notice of

DER1984 RULES OF ADMINISTRATIVE PROCEDURE - NON-RULEMAKING 17-103

the applicant of the Department's notification, pursuant to Section 403.0876, F.S., that additional information is required.

Specific Authority: 120.53, 403.0876, 403.815, F.S. Law Implemented: 120.53, F.S.

History: New 9-20-79, Amended 4-28-81, Transferred from 17-1.62 and Amended 6-1-84.

17-103.160 Uniformity in Approval and Denial of Applications for Department Permits and Certifications.

To the extent possible and consistent with the public interest, the Department approves and denies applications for permits and certifications on a uniform and consistent basis. Final Department actions on applications for permits and certifications shall be consistent with prior Department actions, unless deviation therefrom is explained by the Department in writing or the hearing officer who submits a recommended order to the Department for final agency action in accordance with Section 120.57, Florida Statutes.

Specific Authority: 120.53(1), F.S. Law Implemented: 120.53(1), 120.68(12), F.S. History: New 2-6-78, Transferred from 17-1.63, 6-1-84.

17-103.170 Designation, Preparation and Transmittal of Record for Administrative Appeals.

When any Department action or order is the subject of an administrative appeal under Chapter 17-103, Part II, FAC, the following requirements shall apply:

(1) Designation of Record. Within fifteen (15) days of rendition of the Department's final order, the appellant shall designate

to the Department, in writing, with copies to other parties, those documents or things under the control of or in the possession of the Department which the appellant desires to have included in the record, and which were received or considered in the Department proceeding below. If a proceeding was reported by mechanical recording devices, the appellant shall designate those portions of the proceeding for which it requires written transcription or tapes for transcription. Any other party may designate other portions of the record in the manner provided herein. Such cross-designation shall be filed with the Department, with copies provided other parties, within seven (7) days after receipt of the designation by the appellant.

(2) Original Record. The Department shall thereupon include in the record all of the designated portions of the original papers and exhibits in the proceedings or matter from which administrative appeal is taken, together with a copy of any such parts of the proceedings as were stenographically reported or transcribed from tapes, and as have been designated by the parties and certified by a notary public, the reporter, or other officer for inclusion in the record on appeal or review, and certified copies of the order, if any, of which review is sought. The Department may, at its discretion, substitute certified copies for original papers or documents in its possession.

(3) Preparation of Record. Upon tender or deposit by appellant of the estimated cost of preparation, the Department shall prepare the record in accordance with the designations of the parties. The cost of preparation, and reproduction,

agency action whenever there is no public notice of proposed agency action. In addition to the requirements of Rule 28-5.201, FAC, the Petition must specify the county in which the project is or will be located.

(b) Failure to file a petition within fourteen (14) days of receipt of notice of agency action or fourteen (14) days of receipt of notice of proposed agency action, whichever notice first occurs, shall constitute a waiver of any right to request an administrative proceeding under Chapter 120, F.S.

(c) When there has been no publication of notice of agency action or notice of proposed agency action as prescribed in Rule 17-103.150, FAC, a person who has actual knowledge of the agency action or has knowledge which would lead a reasonable person to conclude that the Department has taken final agency action, has a duty to make further inquiry within fourteen (14) days of obtaining such knowledge by contacting the Department to ascertain whether action has occurred. The Department shall upon receipt of such an inquiry, if agency action has occurred, promptly provide the person with notice as prescribed by Rule 17-103.150, FAC. Failure of the person to make inquiry with the Department within fourteen (14) days after obtaining such knowledge may estop the person from obtaining an administrative proceeding on the agency action.

(2)(a) "Receipt of notice of agency action" means receipt of written notice of final agency action, as prescribed by Department rule, or the publication, pursuant to Department rule, of notice of final agency action, whichever first

occurs.

(b) "Receipt of notice of proposed agency action" means receipt of written notice (such as a letter of intent) that the Department proposes to take certain action, or the publication pursuant to Department rule of notice of proposed agency action, whichever first occurs.

(3) Notwithstanding any other provision in this Chapter, should a substantially affected person who fails to timely request a hearing under Section 120.57, F.S., administratively appeal the final Department action or order, the record on appeal should be limited to:

(a) the application, and accompanying documentation submitted by the applicant prior to the issuance of the agency's intent to issue or deny the requested permit.

(b) the materials and information relied upon by the agency in determining the final agency action or order;

(c) any notices issued or published; and

(d) the final agency action or order entered concerning the permit application.

(4) In such cases where persons do not timely exercise their rights accorded by Section 120.57(1), Florida Statutes, the allegations of fact contained in or incorporated by the final agency action shall be deemed uncontested and true, and appellants may not dispute the truth of such allegations upon subsequent appeal.

(5) Any applicant may challenge the Department's request for additional information by filing with the Office of General Counsel an appropriate petition for administrative proceeding pursuant to Section 120.60, F.S., following receipt by

procure evidence as part of the fact-finding function of an Agency. The Agency need not have an administrative complaint pending to conduct an investigation or make such determination.

Specific Authority 120.53(1), 120.54(1) FS. Law Implemented 120.57(4), 120.52 FS. History—New 3-23-80.

28-5.111 Point of Entry into Proceedings. Unless otherwise provided by law or agency rule:

(1) Persons requesting a hearing on an Agency decision which does or may determine their substantial interest shall file a petition with the Agency within twenty-one (21) days of receipt of written notice of the decision, or within twenty-one (21) days of receipt of written notice of intent to render such decision; whenever possible, an Agency shall issue a written notice of intent to render a decision prior to the decision and allow persons who may be substantially affected thereby twenty-one (21) days from receipt in which to request a hearing. The notice shall state the time limit for requesting a hearing and shall reference the agency's procedural rules.

(2) Any person who receives written notice of an agency decision or who receives written notice of intent to render a decision and who fails to request a hearing within twenty-one (21) days, shall have waived his right subsequently to request a hearing on such matters.

(3) The Agency may publish notice of its decision, or of its intent to render a decision in the Florida Administrative Weekly, newspapers of general circulation in the area affected by such decisions and may also, where appropriate, mail copies of its notice to applicants, competitors, and interested groups. Such action by the Agency may be used in establishing petitioner's date of receiving notice.

Specific Authority 120.53(1), 120.54(1) FS. Law Implemented 120.57 FS. History—New 3-23-80.

PART II

FORMAL PROCEEDINGS

A) PREHEARING PROCEDURES

28-5.201 Initiation of Formal Proceedings.

(1) Initiation of formal proceedings shall be made by petition to the agency responsible for rendering final agency action. The term petition as used herein includes any application or other document which expresses a request for formal proceedings. Each petition should be printed, typewritten or otherwise duplicated in legible form on white paper of standard legal size. Unless printed, the impression shall be on one side of the paper only and lines shall be double-spaced and indented.

(2) All petitions filed under these rules should contain:

(a) The name and address of each agency affected and each agency's file or identification number, if known;

(b) The name and address of the petitioner or petitioners, and an explanation of how his/her substantial interests will be affected by the agency determination.

(c) A statement of when and how petitioner received notice of the agency decision or intent to render a decision.

(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;

(f) A demand for relief to which the petitioner deems himself entitled; and

(g) Other information which the petitioner contends is material.

(3) Upon receipt of a petition for formal proceedings, the Agency shall either accept or deny the petition, and if accepted shall elect either to conduct the hearing itself through the agency head, or member thereof, assign a person authorized by subsection 120.57(1)(a) or other authority, or request that a Hearing Officer from the Division of Administrative Hearings be assigned to conduct the hearing.

(a) A petition may be denied if the petitioner does not state adequately a material factual allegation, such as a substantial interest in the agency determination, or if the petition is untimely.

(b) The agency shall promptly give written notice to all parties of the action taken on the petition, and shall state with particularity its reasons therefor.

(4) If the agency elects to request that a Hearing Officer of the Division of Administrative Hearings be assigned to conduct the hearing, the agency shall forward the petition, and all materials filed with the agency, to the Division of Administrative Hearings, and shall notify all parties of its action.

Specific Authority 120.53(1), 120.54(1) FS. Law Implemented 120.57 FS. History—New 3-23-80.

28-5.202 Amendment of Petitions. The petitioner may amend the petition prior to the agency's designating the presiding officer by filing and serving an amended petition in the manner prescribed for filing and serving an original petition. The petitioner may amend its petition after the designation of the presiding officer only upon order of the presiding officer.

Specific Authority 120.53(1), 120.54(1) FS. Law Implemented 120.57 FS. History—New 3-23-80.

28-5.203 Answer. A respondent or intervenor may file an answer which shall contain any available affirmative defenses. If an answer is filed it shall be filed within twenty (20) days of service of the petition.

Specific Authority 120.53(1), 120.54(1) FS. Law Implemented 120.57 FS. History—New 3-23-80.

28-5.204 Motions. All motions shall be in writing unless made on the record during a hearing, and shall fully state the action requested and the grounds relied upon. The original written motion shall be filed with the presiding officer. The presiding officer shall conduct such proceedings and make such orders as are deemed necessary to dispose of issues raised by motions. Every written motion may be accompanied by, or included in, a written memorandum stating the grounds upon which the motion is based. Other parties to a proceeding may, within seven (7) days of service of a written motion, file written memoranda in opposition.

Specific Authority 120.53(1), 120.54(1) FS. Law Implemented 120.57 FS. History—New 3-23-80.

28-5.205 Motions in Opposition to Petition. Motions in opposition to a petition, which may be filed by any party, include motions to dismiss, to strike, and for more definite statement, and shall be filed within twenty (20) days of service of the petition. Any ruling by a presiding officer on a motion in opposition to a petition shall be incorporated in a recommended order, and can be finally disposed of only by the agency head.

Specific Authority 120.53(1), 120.54(1) FS. Law Implemented 120.57 FS. History—New 3-23-80.

28-5.206 Prehearing Conferences. The presiding officer may conduct or request the parties to have one or more prehearing conferences for the purpose of hearing arguments on pending motions, clarifying and simplifying issues, discussing the possibilities of settlement of the issues, examining exhibits and documents, exchanging

names and addresses of witnesses, and resolving other procedural matters.

Specific Authority 120.53(1), 120.54(10) FS. Law Implemented 120.57 FS. History—New 3-23-80.

28-5.207 Intervention. Persons other than the original parties to a pending proceeding who have a substantial interest in the proceeding, and who desire to become parties may petition the presiding officer for leave to intervene. Petitions for leave to intervene must be filed at least five (5) days before the final hearing, and should be in conformance with 28-5.201(2) and shall also include allegations sufficient to demonstrate that the intervenor is entitled to participate in the proceeding as a matter of constitutional or statutory right or pursuant to agency rule, or that the substantial interests of the intervenor are subject to determination or will be affected through the proceeding.

Specific Authority 120.53(1), 120.54(10) FS. Law Implemented 120.57 FS. History—New 3-23-80.

28-5.208 Discovery. Parties may obtain discovery through the means and in the manner provided in Rules 1.280 through 1.400, *Florida Rules of Civil Procedure*. The presiding officer may issue appropriate orders to effectuate the purposes of discovery and to prevent delay, including the entry of a recommended order of default pursuant to 28-5.211.

Specific Authority 120.53(1), 120.54(10) FS. Law Implemented 120.57 FS. History—New 3-23-80.

28-5.209 Notice of Hearing. The agency, with the concurrence of the presiding officer shall set the time and place for all hearings. The presiding officer shall issue and serve written notice thereof by U.S. mail on all parties of record. No less than fourteen (14) days notice shall be given for the final hearing on the merits of the petition unless otherwise agreed by the parties. The notice of hearing shall contain the statements set out in Section 120.57(1)(b)2., F.S.

Specific Authority 120.53(1), 120.54(10) FS. Law Implemented 120.57 FS. History—New 3-23-80.

28-5.210 Continuances. The presiding officer may in his or her discretion grant a continuance of a hearing for good cause shown, or upon stipulation of all parties. Requests for continuance shall be made in writing. Except in cases of extreme emergency, requests for continuance must be made at least five (5) days prior to the date noticed for the hearing.

Specific Authority 120.53(1), 120.54(10) FS. Law Implemented 120.57 FS. History—New 3-23-80.

28-5.211 Dismissal and Default.

(1) The failure or refusal of a party to comply with any lawful order may be cause for dismissing the petition, or for entry of a default order.

(2) The presiding officer shall serve upon all parties written notice of any recommended order entered pursuant to Subsection (1). The party against whom such an order is entered may, not later than fifteen (15) days after service of the notice, file a motion requesting that the recommendation for default or dismissal be set aside and stating the ground relied upon. If a default is entered by the Agency against the party who has the burden of proof in a proceeding, the proceeding will be dismissed. If the default is entered by the Agency against a party who does not have the burden of proof, the party in default shall not be allowed to cross-examine witnesses, or to otherwise participate in the proceeding as a party.

Specific Authority 120.53(1), 120.54(10) FS. Law Implemented 120.57 FS. History—New 3-23-80.

B) CONDUCT OF FORMAL HEARINGS

28-5.301 Subpoenas.

(1) Subpoenas may be issued by the agency responsible for final agency action, or by a presiding officer or a Hearing Officer of the Division of Administrative Hearings. Subpoena forms shall be supplied by the agency or the presiding officer.

(2) Subpoenas requiring the attendance of witnesses or production of records, files, and memoranda from any place in the state, at any designated place of hearing before the presiding officer, for the purpose of taking the testimony of such witness or inspection of documents, shall be issued upon written application of any party. The application for such subpoena shall state the name and address of the witness for whom the subpoena is to be issued, and the time and place for the witness to appear.

(3) Any party or person against whom a subpoena is directed may file a motion to quash or limit the subpoena with the agency having jurisdiction of the dispute. The motion shall set forth the grounds relied upon.

(4) A subpoena may be served by any person authorized by law to serve process or by any person who is not a party and who is of majority age. Service shall be made by delivering a copy thereof to the person named in the subpoena. Proof of such service shall be made by affidavit of the person making service if not served by an officer authorized by law to do so.

Specific Authority 120.53(1), 120.54(10) FS. Law Implemented 120.54(1), 120.57 FS. History—New 3-23-80.

28-5.302 Witness Fees. Witness fees shall be paid by the party at whose instance the witness is summoned. Witness fees shall be tendered at the time of service of a subpoena. Except in the case of state employees, the fees allowed shall be the same as those allowed by the circuit courts of the state. State employees shall be entitled to compensation at the rate provided under Section 112.061, Florida Statutes. This section shall not limit the fees of expert witnesses.

Specific Authority 120.53(1), 120.54(10) FS. Law Implemented 120.57 FS. History—New 3-23-80.

28-5.303 Witnesses.

(1) All witnesses shall be sworn and subject to examination and cross-examination.

(2) The presiding officer may allow members of the general public to appear as witnesses at a hearing, and to present oral or written communications without the necessity of being a party or intervenor. The presiding officer may set fair and reasonable conditions on such appearances, and the communications shall be subject to cross-examination, challenge and rebuttal.

Specific Authority 120.53(1), 120.54(10) FS. Law Implemented 120.57 FS. History—New 3-23-80.

28-5.304 Evidence.

(1) Oral evidence shall be taken only on oath or affirmation.

(2) Each party shall have the right: to present evidence relevant to the issues; to cross-examine opposing witnesses; to impeach any witness regardless of which party first called him to testify; and to rebut the evidence presented against it.

(3) Any relevant evidence shall be admitted if it is the sort of evidence on which reasonable prudent persons are accustomed to rely in the conduct of their affairs. Hearsay evidence may be used to supplement or explain

ferred to the General Revenue Fund an amount equal to all funds appropriated to the trust fund.

History.—s. 1, ch. 74-310; s. 1, ch. 75-107; s. 4, ch. 75-191; s. 5, ch. 78-131; s. 1, ch. 77-174; s. 4, ch. 77-453; s. 3, ch. 78-425; s. 4, ch. 79-299; s. 7, ch. 80-391; s. 4, ch. 81-309; s. 1, ch. 82-19; s. 1, ch. 82-47; s. 3, ch. 83-351.

120.56 Administrative determination of rule by hearing officer.—

(1) Any person substantially affected by a rule may seek an administrative determination of the invalidity of the rule on the ground that the rule is an invalid exercise of delegated legislative authority.

(2) The petition seeking an administrative determination under this section shall be in writing and shall state with particularity facts sufficient to show the person seeking relief is substantially affected by the rule and facts sufficient to show the invalidity of the rule. The petition shall be filed with the division which shall, immediately upon filing, forward copies of the petition to the agency whose rule is challenged, the Department of State, and the committee. Within 10 days after receiving the petition, the division director shall, if he determines that the petition complies with the above requirements, assign a hearing officer who shall conduct a hearing within 30 days thereafter, unless the petition is withdrawn.

(3) Within 30 days after the hearing, the hearing officer shall render his decision and state the reasons therefor in writing. The division shall forthwith transmit copies of the hearing officer's decision to the Department of State and to the committee. The hearing officer may declare all or part of a rule invalid. The rule or part thereof declared invalid shall become void when the time for filing an appeal expires or at a later date specified in the decision. The agency whose rule has been declared invalid in whole or part shall give notice of the decision in the Florida Administrative Weekly in the first available issue after the rule has become void.

(4) Challenges to the validity of an emergency rule shall be subject to the following time schedules. Within 7 days after receiving the petition, the division director shall, if he determines that the petition complies with subsection (2), assign a hearing officer who shall conduct a hearing within 14 days thereafter, unless the petition is withdrawn. Within 14 days after the hearing, the hearing officer shall render his decision and otherwise comply with the provisions of subsection (3) not inconsistent herewith.

(5) Hearings held under this provision shall be conducted in the same manner as provided in s. 120.57 except that the hearing officer's order shall be final agency action. The petitioner and the agency whose rule is attacked shall be adversary parties. Other substantially affected persons may join the proceedings as parties or intervenors on appropriate terms which shall not unduly delay the proceedings. Failure to proceed under this section shall not constitute failure to exhaust administrative remedies.

History.—s. 1, ch. 74-310; s. 5, ch. 75-191; s. 6, ch. 76-131; s. 1, ch. 77-174; s. 4, ch. 78-425.

cf.—s. 72.011 Jurisdiction of circuit courts in specific tax matters.

120.565 Declaratory statement by agencies.—

Each agency shall provide by rule the procedure for the filing and prompt disposition of petitions for declaratory statements. A declaratory statement

shall set out the agency's opinion as to the applicability of a specified statutory provision or of any rule or order of the agency as it applies to the petitioner in his particular set of circumstances only. The agency shall give notice of each petition and its disposition in the Florida Administrative Weekly, except that educational units shall give notice in the same manner as provided for rules in s. 120.54(1)(a), and transmit copies of each petition and its disposition to the committee. Agency disposition of petitions shall be final agency action.

History.—s. 6, ch. 75-191; s. 7, ch. 78-131; s. 5, ch. 78-425; s. 5, ch. 79-299.

cf.—s. 72.011 Jurisdiction of circuit courts in specific tax matters.

120.57 Decisions which affect substantial interests.—The provisions of this section apply in all proceedings in which the substantial interests of a party are determined by an agency. Unless waived by all parties, subsection (1) applies whenever the proceeding involves a disputed issue of material fact. Unless otherwise agreed, subsection (2) applies in all other cases.

(1) FORMAL PROCEEDINGS.—

(a) A hearing officer assigned by the division shall conduct all hearings under this subsection, except for:

1. Hearings before agency heads or a member thereof other than an agency head or a member of an agency head within the Department of Professional Regulation;

2. Hearings before the Unemployment Appeals Commission in unemployment compensation appeals, unemployment compensation appeals referees, and special deputies pursuant to s. 443.141;

3. Hearings regarding drivers' licensing pursuant to chapter 322;

4. Hearings conducted within the Department of Health and Rehabilitative Services in the execution of those social and economic programs administered by the former Division of Family Services of said department prior to the reorganization effected by chapter 75-48, Laws of Florida;

5. Hearings in which the division is a party, in which case an attorney assigned by the Administration Commission shall be the hearing officer;

6. Hearings which involve student disciplinary suspensions or expulsions and which are conducted by educational units;

7. Hearings of the Public Employees Relations Commission in which a determination is made of the appropriateness of the bargaining unit, as provided in s. 447.307; and

8. Hearings held by the Department of Agriculture and Consumer Services pursuant to chapter 601.

(b) In any case to which this subsection is applicable, the following procedures apply:

1. A request for a hearing shall be granted or denied within 15 days of receipt.

2. All parties shall be afforded an opportunity for a hearing after reasonable notice of not less than 14 days; however, the 14-day notice requirement may be waived with the consent of all parties. In a preliminary hearing for the revocation of parole, no less than 7 days' notice shall be given. In a hearing involving a student disciplinary suspension or expulsion conducted by an educational unit, the 14-day notice re-

fer the matter to the division for the appointment of a hearing officer to conduct a hearing under this section.

(2) **INFORMAL PROCEEDINGS.**—In any case to which subsection (1) does not apply:

(a) The agency shall, in accordance with its rules of procedure:

1. Give reasonable notice to affected persons or parties of the action of the agency, whether proposed or already taken, or of its decision to refuse action, together with a summary of the factual, legal, and policy grounds therefor.

2. Give affected persons or parties or their counsel an opportunity, at a convenient time and place, to present to the agency or hearing officer written or oral evidence in opposition to the action of the agency or of its refusal to act, or a written statement challenging the grounds upon which the agency has chosen to justify its action or inaction.

3. If the objections of the persons or parties are overruled, provide a written explanation within 7 days.

(b) The record shall only consist of:

1. The notice and summary of grounds;

2. Evidence received or considered;

3. All written statements submitted by persons and parties;

4. Any decision overruling objections;

5. All matters placed on the record after an ex parte communication pursuant to s. 120.66(2); and

6. The official transcript.

(3) Unless precluded by law, informal disposition may be made of any proceeding by stipulation, agreed settlement, or consent order.

(4) This section does not apply to agency investigations preliminary to agency action.

History.—s. 1, ch. 74-310; s. 7, ch. 75-191; s. 8, ch. 76-131; s. 1, ch. 77-174; s. 5, ch. 77-453; ss. 6, 11, ch. 78-95; s. 8, ch. 78-425; s. 8, ch. 79-7; s. 7, ch. 80-95; s. 4, ch. 80-289; s. 57, ch. 81-259; s. 2, ch. 83-78; s. 9, ch. 83-218.
cf.—s. 72.011 Jurisdiction of circuit courts in specific tax matters.

120.575 Taxpayer contest proceedings.—

(1) In any administrative proceeding brought pursuant to chapter 120 as authorized in s. 72.011(1), the taxpayer or other substantially affected party shall be designated the "petitioner" and the Department of Revenue shall be designated the "respondent."

(2) In any administrative proceeding brought pursuant to s. 120.57, the department's burden of proof, except as otherwise specifically provided by general law, shall be limited to a showing that an assessment has been made against the taxpayer and the factual and legal grounds upon which the department made the assessment.

History.—s. 12, ch. 81-178.

120.58 Agency action; evidence, record and subpoenas.—

(1) In agency proceedings for a rule or order:

(a) Irrelevant, immaterial, or unduly repetitious evidence shall be excluded, but all other evidence of a type commonly relied upon by reasonably prudent persons in the conduct of their affairs shall be admissible, whether or not such evidence would be admissible in a trial in the courts of Florida. Any part of the evidence may be received in written form, and all tes-

timony of parties and witnesses shall be made under oath. Hearsay evidence may be used for the purpose of supplementing or explaining other evidence, but it shall not be sufficient in itself to support a finding unless it would be admissible over objection in civil actions. This paragraph applies only to proceedings under s. 120.57.

(b) An agency or its duly empowered presiding officer or a hearing officer has the power to swear witnesses and take their testimony under oath, to issue subpoenas upon the written request of any party or upon its own motion, and to effect discovery on the written request of any party by any means available to the courts and in the manner provided in the Florida Rules of Civil Procedure. However, no agency or its duly empowered presiding officer or any hearing officer has the authority to issue any subpoena or order directing discovery to any member or employee of the Legislature when the subpoena or order commands the production of documents or materials or compels testimony relating to the legislative duties of the member or employee. Any subpoena or order directing discovery directed to a member or an employee of the Legislature shall show on its face that the testimony sought does not relate to legislative duties.

(c) Any public employee subpoenaed to appear at an agency proceeding shall be entitled to per diem and travel expenses at the same rate as that provided for state employees under s. 112.061 if travel away from such public employee's headquarters is required. All other witnesses appearing pursuant to a subpoena shall be paid such fees and mileage for their attendance as is provided in civil actions in circuit courts of this state. In the case of a public employee, such expenses shall be processed and paid in the manner provided for agency employee travel expense reimbursement, and in the case of a witness who is not a public employee, payment of such fees and expenses shall accompany the subpoena.

(d) Documentary evidence may be received in the form of a copy or excerpt if the original is not readily available. Upon request, parties shall be given an opportunity to compare the copy with the original.

(e) If a majority of those who are to render the final order have not heard the case or read the record, a decision adverse to a party other than the agency itself shall not be made until a proposed order is served upon the parties and they are given an opportunity to file exceptions and present briefs and oral arguments to those who are to render the decision. The proposed order shall contain necessary findings of fact and conclusions of law and a reference to the source of each. The proposed order shall be prepared by the individual who conducted the hearing, if available, or by one who has read the record. The parties by written stipulation may waive compliance with this paragraph. The provisions of this paragraph shall not apply in the granting of parole or preliminary hearings for the revocation of parole.

(f) A party shall be permitted to conduct cross-examination when testimony is taken or documents are made a part of the record.

(2) Any person subject to a subpoena or order directing discovery may, before compliance and on timely petition, request the agency having jurisdiction of the dispute to invalidate the subpoena or or-

quirement may be waived by the agency head or the hearing officer without the consent of the parties. The notice shall include:

- a. A statement of the time, place, and nature of the hearing.
 - b. A statement of the legal authority and jurisdiction under which the hearing is to be held.
 - c. A reference to the particular sections of the statutes and rules involved.
 - d. Except for any hearing before an unemployment compensation appeals referee, a short and plain statement of the matters asserted by the agency and by all parties of record at the time notice is given. If the agency or any party is unable to state the matters in sufficient detail at the time initial notice is given, the notice may be limited to a statement of the issues involved, and thereafter, upon timely written application, a more definite and detailed statement shall be furnished not less than 3 days prior to the date set for the hearing.
3. Except for any proceeding conducted as prescribed in s. 120.54(4) or s. 120.56, a petition or request for a hearing under this section shall be filed with the agency. If the agency elects to request a hearing officer from the division, it shall notify the division within 10 days of receipt of the petition or request, requesting the assignment of a hearing officer and, with the concurrence of the division, set the time, date, and place of the hearing. On the request of any agency, the division shall assign a hearing officer with due regard to the expertise required for the particular matter. Any party may request the disqualification of any hearing officer by filing an affidavit with the division prior to the taking of evidence at a hearing, stating the grounds with particularity.
4. All parties shall have an opportunity to respond, to present evidence and argument on all issues involved, to conduct cross-examination and submit rebuttal evidence, to submit proposed findings of facts and orders, to file exceptions to any order or hearing officer's recommended order, and to be represented by counsel. When appropriate, the general public may be given an opportunity to present oral or written communications. If the agency proposes to consider such material, then all parties shall be given an opportunity to cross-examine or challenge or rebut it.
5. The record in a case governed by this subsection shall consist only of:
- a. All notices, pleadings, motions, and intermediate rulings;
 - b. Evidence received or considered;
 - c. A statement of matters officially recognized;
 - d. Questions and proffers of proof and objections and rulings thereon;
 - e. Proposed findings and exceptions;
 - f. Any decision, opinion, proposed or recommended order, or report by the officer presiding at the hearing;
 - g. All staff memoranda or data submitted to the hearing officer during the hearing or prior to its disposition, after notice of the submission to all parties, except communications by advisory staff as permitted under s. 120.66(1), if such communications are public records;

h. All matters placed on the record after an ex parte communication pursuant to s. 120.66(2); and

i. The official transcript.

6. The agency shall accurately and completely preserve all testimony in the proceeding, and, on the request of any party, it shall make a full or partial transcript available at no more than actual cost. In any proceeding before a hearing officer initiated by a consumptive use permit applicant pursuant to subparagraph 13., the applicant shall bear the cost of accurately and completely preserving all testimony and providing full or partial transcripts to the water management district. At the request of any other party, full or partial transcripts shall be provided at no more than cost.

7. Findings of fact shall be based exclusively on the evidence of record and on matters officially recognized.

8. Except as provided in subparagraph 12., the hearing officer shall complete and submit to the agency and all parties a recommended order consisting of his findings of fact, conclusions of law, interpretation of administrative rules, and recommended penalty, if applicable, and any other information required by law or agency rule to be contained in the final order. The agency shall allow each party at least 10 days in which to submit written exceptions to the recommended order.

9. The agency may adopt the recommended order as the final order of the agency. The agency in its final order may reject or modify the conclusions of law and interpretation of administrative rules in the recommended order, but may not reject or modify the findings of fact unless the agency first determines from a review of the complete record, and states with particularity in the order, that the findings of fact were not based upon competent substantial evidence or that the proceedings on which the findings were based did not comply with essential requirements of law. The agency may accept or reduce the recommended penalty in a recommended order, but may not increase it without a review of the complete record. In the event a court reverses the order of an agency, the court in its discretion may award attorney's fees and costs to the aggrieved prevailing party.

10. If the hearing officer assigned to a hearing becomes unavailable, the division shall assign another hearing officer who shall use any existing record and receive any additional evidence or argument, if any, which the new hearing officer finds necessary.

11. A hearing officer who is a member of an agency head may participate in the formulation of the final order of the agency, provided he has completed all his duties as hearing officer.

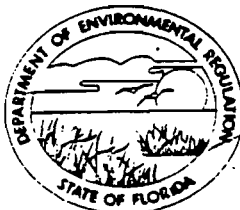
12. In any application for a license or merger pursuant to title XXXVIII which is referred by the agency to the division for hearing pursuant to this section, the hearing officer shall complete and submit to the agency and to all parties a written report consisting of findings of fact and rulings on evidentiary matters. The agency shall allow each party at least 10 days in which to submit written exceptions to the report.

13. In any application for a consumptive use permit pursuant to part II of chapter 373, the water management district on its own motion may, or, at the request of the applicant for the permit, shall, re-

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTH FLORIDA DISTRICT

2269 BAY STREET FORT MYERS, FLORIDA 33901



OWNER'S COPY

RECEIVED

AUG 12 1984

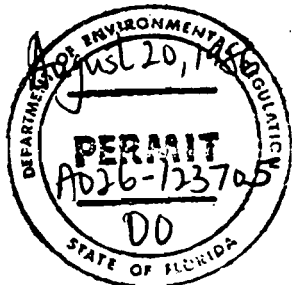
D. E. R. SO. FLA. DISTRICT

BOB GRAMM GOVERNOR

VICTORIA J. TSCHINKEL SECRETARY

PHILIP R. EDWARDS DISTRICT MANAGER

4478 pd \$1500



APPLICATION FOR RENEWAL OF PERMIT TO OPERATE AIR POLLUTION SOURCE(S)

If major alterations have occurred, the applicant should complete the Standard Air Permit Application Form.

Source Type: Bagasse Boiler #6, Clewiston Renewal of DER Permit No. A026-7626

Company Name: United States Sugar Corporation County: Hendry

Identify the specific emission point source(s) addressed in this application (i.e., Lime Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired):

Source Location: Street: Foot of W. C. Owens Street City: Clewiston

UTM: East 7505.9 KM North 2956.9 KM

Latitude: ° ' "N. Longitude: ° ' "W.

- 1. Attach a check made payable to the Department of Environmental Regulation...
2. Have there been any alterations to the plant since last permitted? [] Yes [X] No
3. Attach the last compliance test report required per permit conditions if not submitted previously.
4. Have previous permit conditions been adhered to? [X] Yes [] No
5. Has there been any malfunction of the pollution control equipment during tenure of current permit? [] Yes [X] No
6. Has the pollution control equipment been maintained to preserve the collection efficiency last permitted by the Department? [X] Yes [] No
7. Has the annual operating report for the last calendar year been submitted? [X] Yes [] No

8. Please provide the following information if applicable:

A. Raw Materials and Chemical Used in Your Process:

Description	Contaminant		Utilization	
	Type	%Wt	Rate	lbs/hr
Bagasse	Particulates		40,000	

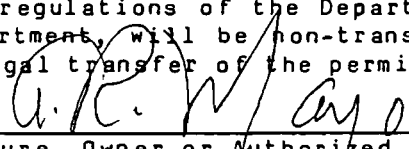
B. Product Weight (lbs/hr): 70,000 Steam

C. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	Avg/hr*	Max/hr**	
Bagasse	40,000	Same	144

D. Normal Equipment Operating Time: hrs/day 24 ; days/wk 7 ; wks/yr 20 ;
 hrs/yr (power plants only) _____ ; if seasonal, describe _____
Mid October - March

The undersigned owner or authorized representative*** of United States Sugar Corporation is fully aware that the statements made in this application for a renewal of a permit to operate an air pollution source are true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter 403, Florida Statutes, and all the rules and regulations of the Department. He also understands that a permit, if granted by the Department, will be non-transferable and he will promptly notify the Department upon sale or legal transfer of the permitted facility.



Signature, Owner or Authorized Representative
 (Notarization is mandatory)
A. R. Mayo, Senior Vice President, Sugar Houses
 Typed Name and Title
P. O. Drawer 1207 Address
Clewiston, Florida 33440
 City State Zip
August 7, 1986 Date (813) 983-8121 Telephone No.

*During actual time of operation.
 **Units: Natural Gas-MMCF/hr;
 Fuel Oils-barrels/hr; Coal-lbs/hr.
 ***Attach letter of authorization if not previously submitted

DER Form 17-1.202(4)
 Effective November 30, 1982
 STATE OF FLORIDA
 COUNTY OF HENDRY

Sworn to and subscribed before me this 7th day of August 1986.

Juanita M Taylor Notary Public, State of Florida
 My Commission Expires Oct. 5, 1988



STATE OF FLORIDA
DEPARTMENT OF POLLUTION CONTROL
SUITE 401
2180 WEST 1ST STREET
FORT MYERS, FLORIDA 33901

PETER P. BALJET
EXECUTIVE DIRECTOR

W.D. FREDERICK, JR.
CHAIRMAN

January 16, 1975

Mr. A. R. Mayo, Vice Pres.
U. S. Sugar Corporation
P. O. Box 1207
Clewiston, Fla. 33440

Re: Hendry Co. - A. P.
U. S. Sugar Corp.
Boilers #5, #6

Dear Mr. Mayo:

Pursuant to your recent application, please find enclosed a permit (No. *) dated 1-15-75 to construct the subject pollution source.

This permit will expire on 11-30-75 , and will be subject to the conditions, requirements and restrictions checked or indicated otherwise in the attached sheet construction "Permit Conditions."

This permit is issued under the authority of Florida Statutes 403.061(16). The time limits imposed herein are a condition of this permit and are enforceable under Florida Statute 403.161. You are hereby placed on Notice that the Department will review this permit before the scheduled date of expiry and will seek court action for violation of the conditions and requirements of this permit.

You have ten (10) days from the date of receipt hereof within which to seek a review of the conditions and requirements contained in this permit.

Your continued cooperation in this matter is appreciated, and in future communication please refer to your permit number.

Yours truly,

Philip R. Edwards
Regional Administrator

PRE/mh
* AC26-2031A
AC26-2032A

John R. Middlemas
BOARD MEMBER

Susan Wilson
BOARD MEMBER

Mark D. Hollis
BOARD MEMBER

Y.E. Hall
BOARD MEMBER

STATE OF FLORIDA
DEPARTMENT OF AIR AND WATER
POLLUTION CONTROL

CONSTRUCTION PERMIT

FOR U. S. Sugar Corporation

P. O. Box 1207

Clewiston, Fla. 33440

PERMIT NO. AC26-2032A

DATE 1/15/75

PURSUANT TO THE PROVISION OF SECTION 403.061 (16) OF CHAPTER 403, FLORIDA STATUTES AND CHAPTER 17-4, FLORIDA ADMINISTRATIVE CODE, THIS PERMIT IS ISSUED TO Mr. A. R. Mayo, Vice President

FOR THE CONSTRUCTION OF THE FOLLOWING:

Control system for Boiler #6 consisting of one Joy

Impingement Scrubber, Size 64

LOCATED AT Foot of Owen St., Clewiston, Hendry Co.

UTM 7,505,938 N 2,956,875

IN ACCORDANCE WITH THE APPLICATION DATED 11/25/74

AND IN CONFORMITY WITH THE STATEMENTS AND SUPPORTING DATA ENTERED THEREIN, ALL OF WHICH ARE FILED WITH THE DEPARTMENT AND ARE CONSIDERED A PART OF THIS PERMIT.

THIS PERMIT SHALL BE EFFECTIVE FROM THE DATE OF ITS ISSUANCE UNTIL 11/30/75

AND SHALL BE SUBJECT TO ALL APPLICABLE LAWS OF THE STATE AND THE RULES AND REGULATIONS OF THE DEPARTMENT.

Philip R. Edwards

Philip R. Edwards
Regional Administrator

Peter P. Baljet

EXECUTIVE DIRECTOR

STATE OF FLORIDA

DEPARTMENT OF POLLUTION CONTROL

CONSTRUCTION PERMIT PROVISOS

AIR POLLUTION SOURCES

Permit No. AC26-2032A

Date: 1/15/75

- (X) 1. Construction of this installation shall be completed by 8-15-75. Application for Permit to Operate to be submitted by 11-30-75.
- (X) 2. This construction permit expires on 11-30-75 following an initial period of operation for appropriate testing to determine compliance with the Rules of the Florida Pollution Control Board.
- (X) 3. All applicable rules of the Department including design discharge limitations specified in the application shall be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations prior to construction.
- (X) 4. The applicant shall continue the retention of the engineer of record for the inspection of the construction of this project. Upon completion the engineer shall inspect for conformity to construction permit applications and associated documents. A report of such inspection shall be submitted by the engineer to the Department of Pollution Control for consideration toward the issuance of an operation permit.
- (X) 5. This boiler shall be tested* for particulates within 30 days after it is placed in operation. These test results are required prior to our issuance of an operation permit and shall be submitted in duplicate to the DPC Southwest Florida Regional Office 2180 W. First St., Ft. Myers, Fla. 33901.
- *FUEL ANALYSIS MAY BE SUBMITTED FOR REQUIRED SULFUR DIOXIDE EMISSION TEST.
- () 6. The operation of this installation shall be observed for visible emissions in accordance with Method 9 - Visible Determination of the Opacity of Emissions from Stationary Sources (36FR24895; Federal Register, December 23, 1971). The observation results are required prior to our issuance of an operation permit, and shall be submitted in duplicate to the DPC Florida Regional Office,
- (X) 7. Satisfactory ladders, platforms, and other safety devices shall be provided/available as well as necessary ports to facilitate the carrying out of an adequate sampling program.
- (X) 8. There shall be no discharges of liquid effluents or contaminated runoff from the plant site.
- (X) 9. All fugitive dust generated at this site shall be adequately controlled.

RECEIVED
 DEC 18 1974
 SW REGION DPC

PAID DEC 13 1974

60th Day
 MAR 14 1975



PERMITTED BY
 SOUTHWEST REGION
 DEPT. OF POLLUTION CONTROL

STATE OF FLORIDA
 DEPARTMENT OF POLLUTION CONTROL

PERMIT NO. Aca6-2032A
 DATE 1/15/75

APPLICATION TO OPERATE/CONSTRUCT POLLUTION SOURCES

**SECTION I - GENERAL INFORMATION FOR ALL POLLUTION SOURCES
 I. TO BE FILLED IN BY APPLICANT**

Source Type: Air Pollution
 Type application: Operation Temporary Operation Construction
 Status Source: New Existing Modification

Source Name: U. S. Sugar Corp. Clewiston Mill County: Hendry
Boiler #5 Mfg. by Edge Moor Iron Co. Serial #3030
 Source Location: Street: Foot of Owen St. City: Clewiston
 (Water Source Only) Lat: _____ Long: _____
 (Air Source Only) UTM: East 7505938 North 2956875

Appl. Name and Title: A. R. Mayo, Vice President
 Appl. Address: U. S. Sugar Corp. P.O. Box 1207 Clewiston, Fla. 33440

II TO BE FILLED IN BY REGION (*BY BUREAU OF PERMITTING)

Control No: _____ Region _____ County _____ Type _____ *Project _____

Type Permit	Date Rec'd	*Permit No.	*Issue Date	*Compl. Date	*Exp. Date

Source Description: _____
 Control Equipment: _____

Water Permits

Receiving Body Code: _____ Surface Water Code: _____
 Station No.: _____ Influent: _____ Effluent: _____

Effluent:	Average	Design	% Reduction
Flow rate, MGD	_____	_____	_____
BOD, lbs/day	_____	_____	_____
Susp. Sol., lbs/day	_____	_____	_____
Other: _____	_____	_____	_____

Air Permits

Operating Time: Continuous Intermittent
 Fuel: Type _____ M-BTU/hr. In Put _____
 Incinerator: Capacity, tons/day _____ Type Waste _____
 Mfg. & Model _____

Pollutant Emissions, lbs/day	Actual	Design	Allowable
Particulate	_____	_____	_____
Sulfur Oxides	_____	_____	_____
Other: _____	_____	_____	_____

Implementation: Estimated Appl. Filing Date _____
 Estimated Start of Const. _____ Estimated Compliance Date _____

Division of Technical Services
 PLM HEALTH & ENVIRONMENTAL
 HEALTH UNIT
 DEC 1974
 M
 D

DESCRIPTION OF PROPOSED PROJECT

A. Describe the nature and extent of the proposed project. Refer to existing pollution control facilities, DPC permits, conditions, orders and notices, expected improvement in performance of the facilities and state whether the proposed project will result in full compliance of the source. Attach additional sheet if necessary.

Pollution control facility consists of a Joy Mfg. Co. Turbulaire impingement-type scrubber, size 90, type D. This scrubber is similar to those installed on Boilers #1, 2 & 3. By-pass is provided for emergency use only, such as for cleaning necessitated by plugging of scrubber.

Stack emissions tests indicate that the facility will provide full compliance of the source with applicable standards.

B. Schedule of Project Covered in this Application (Construction Permit Application Only).

Federally or State Financed Projects only: N.A.
Planning Complete
Financing Program Complete
Indicate other local, state and/or federal agency approvals and dates

All projects: 12-1-74
Start of Construction
Completion of Construction 8-15-75

C. Costs of Construction (Show a breakdown of costs for individual components/units of the proposed project serving pollution control purpose only). Information on actual costs shall be furnished with the application for operation permit.

Estimated cost of scrubber plus installation \$60,000

D. Indicate any previous DPC permits, issuance dates, and expiration dates.

This boiler is operating under Permit No. AO-26-2032, issued 5-16-73 and expiring on 7-1-75.

AIR POLLUTION SOURCES & CONTROL DEVICES

A. Identification of Air Contaminants

- 1) Particulates
 a) Dust b) Fly Ash c) Smoke d) Other (Identify)
- 2) Sulfur Compounds
 a) SO_x as SO₂ b) Reduced Sulfur as H₂S c) Other (Identify)
- 3) Nitrogen Compounds
 a) NO_x as NO₂ b) NH₃ c) Other (Identify)
- 4) Flourides 5) Acid Mist 6) Odor
- 7) Hydrocarbons 8) Volatile Organic Compounds
- 9) Other (Specify): _____

B. Raw Materials and Chemicals Used (Be Specific)

Description	Utilization Tons/day, lbs./day, etc.	Approximate Contaminant Content		Relate to Flow Diagram
		Type	% Wt.	
Bagasse	446.7 T/day	-	-	A

C. Process Weight:

- 1) Total Process Weight Rate 37,720 lbs./hr. [Sec Sec. 17-2.04(2)]
- 2) Product Weight 70,000 lb./hr. expressed as Steam
- 3) Normal Operating Time 24 hrs. per day, if seasonal describe: Approx. 150 days per yr
 (Nov. 1 thru March 31)

D. Airborne Contaminants Discharged:

Name of Contaminant	Actual Discharge	Discharge Criteria*	Allowable Discharge*	Relate Location to Flow Diagram
Particulates	34.0 lbs/hr 61.2 T/yr	Btu Std.	40.7 lbs/hr	C
NO _x	36.0 lbs/hr 64.8 T/yr	N.A.	N.A.	C

* Refer to Chapter 17-2 Florida Administrative Code
 (Discharge Criteria: Process Weight Rate, #/tonP₂O₅, #/M BTU/hr etc.)

E. Control Devices:

Name	Eff.	Conditions of Operation, Particle Size Range, etc.	Relate to Flow Diagram
Joy Turbulaire Impingement-type			
Scrubber, Model No. (Type) D, Size 90, Serial No. not avail.	83.8% Min.	65% 10 microns & up. 35% under 10 microns	D

F. Fuels:

Type (Be specific)	Daily Consumption	Heat Input BTU/hr.	Relate to Flow Diagram
Bagasse	446.7 Tons/day	135.8 x 10 ⁶	A

G. Describe briefly, without revealing trade secrets, the unit processes/operations generating the airborne emissions identified in this application:

See Addendum Sheets and Process Flow Diagram.

H. Indicate liquid or solid wastes generated and method of disposal.

Scrubber water is used to sluice cane juice mud, which is impounded in settling ponds.

ADDENDUM TO PERMIT APPLICATION
FOR
AIR POLLUTION SOURCES

Listed below are clarifications of some of the information required on the application form. All information submitted must be in the format outlined below. Space is also provided below for additional information not contained in the original form.

AIR POLLUTION SOURCES & CONTROL DEVICES:

Item: C 1) Show the derivation of process weight.

Item: C 3) Normal operating time must be given as Hrs/Day, Days/Week and Weeks/Year.

If seasonal, give % operation by month.

Contaminants must include but not limited to: particulate matter, sulfur oxides, carbon monoxide, hydrocarbons and nitrogen oxides. This information must be submitted even though an applicable standard may not exist.

Also give actual discharge of each contaminant in lbs/hr and tons/yr.

Item: E In the space provided for Name, give model number and serial number of control device.

On separate page, give basis for efficiency on the process, i. e. calculations, (Do not give a general efficiency).

Item: F Include the commercial standard number of fuel oil and % sulfur, e.g. No. 6 fuel oil with 2.5% sulfur.

In the space provided for daily consumption, give mean and extremes.

Heat input must be the design capacity.

If application is for boiler, include manufacturer, model no. and serial no.

ADDITIONAL INFORMATION REQUIRED:

1. Flow diagram of process (without revealing trade secrets)

2. Plot plan

3. Stack data:

Height (ft.): 65

Diameter (ft.): 6.0

Temperature (°F): 160

Flow Rate (ft/min.) 3140 at 30" Hg. (exit)

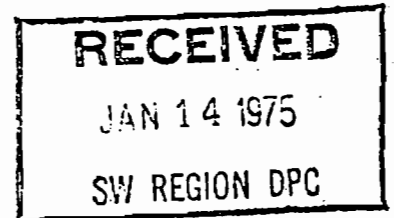
UNITED STATES SUGAR CORPORATION

P. O. Drawer 1207

CLEWISTON, FLORIDA 33440

January 13, 1975

Mr. Thomas W. Davis, Engineer
Department of Pollution Control
Suite 401
2180 West First Street
Fort Myers, Florida 33901



Re: Hendry Co. - AP
U. S. Sugar Corp.
Boiler #5, #6

Dear Mr. Davis:

Pursuant to your letter of December 20, 1974, we have checked and determined that the proposed scrubbers are Joy Mfg. Company, Size 64, 12'6" diameter, Type D-B-M.S.

Your comments on the use of carbon steel construction were appreciated and have been considered. The fact that these boilers have no auxiliary Bunker C fuel firing equipment, but are solely bagasse fired, does away with the sulphur problem that as we all know is the main cause for corrosion in a scrubber in this type of application. This together with the projected epoxy coating of the wetted surfaces and the addition of stainless steel wear plates at the points of high gas velocity should result in satisfactory operation of these scrubbers.

We would also like to point out that these boilers are considered at present as standby units and are fired only when a break down occurs on our main units or in case of excess bagasse conditions such as may occur with prolonged shut down of our Pelletizing Plant.

We are sorry for the error made in the Construction Permit Application in connection with the size of the scrubber and hope the above has answered the question raised in your recent letter.

Very truly yours,

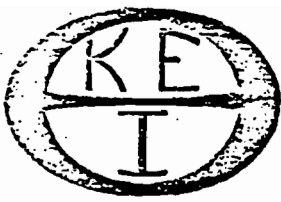
UNITED STATES SUGAR CORPORATION

A handwritten signature in dark ink, appearing to read "R. E. Burchard".

Robert E. Burchard
Chief Project Engineer, Sugar Houses

REB/ccm

cc: Mr. A. R. Mayo



BEST AVAILABLE COPY

Kleeman Engineering, Inc.

CHEMICAL & ENVIRONMENTAL
ENGINEERS

Frank S. Kleeman, P.E. - Pres.

305/731

R. Lynn Peyton - V. Pres.

305/731

ADDENDUM CALCULATIONS
APPLICATION FOR PERMIT TO

CONSTRUCT

FOR: U.S. SUGAR CORP.
CLEWISTON MILL - BOILER #5

Item C-1 Derivation of Process Weight

Fuel Oil Burned () NONE lbs./ hr.

Bagasse Burned 37,720 lbs./hr.

Calculated on Btu basis as follows:

Steam Generated 70,000 lbs/hr.

Btu Value of Steam 1067 Btu/lb.

Btu Value of Fuel Oil - Btu/lb.

Furnace Efficiency 55 %

Btu Value of Bagasse 3600 Btu/lb.

Heat Output = 70,000 x 1067 = 74.7 x 10⁶ Btu/

Heat Input = 74.7 x 10⁶ = 135.8 x 10⁶ Btu/

Heat Input from Oil = .55 x _____ = - Btu/

Heat Input from Bagasse = _____ = 135.8 x 10⁶ Btu/

Bagasse Burned = 135,800,000 = 37,720 Lbs/hr.

Total Process Weight = _____ + _____ = 37,720 Lbs/

Bagasse Burned Daily = 37,720 x 24 = 446.7 Tons/day

Oil Burned Daily = _____ = - Tons/day

Item D Emission Calculations

Stack emissions tests were conducted by U.S. SUGAR CORP.
 on BOILER #2 on Nov. 13, 14 & 15, 1973.

Particulate emissions were determined as follows: Lbs/hr.
Oil
Generated Used

Run No. _____	_____	lbs/hr.	
Run No. _____	_____	" "	
Run No. _____	_____	" "	

Average _____ 76.9 lbs/hr.

$76.9 \times \frac{70,000}{158,300} = 34.0 \text{ lbs/hr. ANTICIPATED PARTICULATE EMISSIONS AT OPERATING CAPACITY OF } 70,000 \text{ lbs/hr. STEAM}$

$\frac{34.0 \times 24 \times 150}{2000} = 61.2 \text{ Tons/yr Particulates}$

SO₂ emissions calculated from following formula:

(Dept. H.E.W. Pub. No. AP-52, p. 106)

Lbs. S per 1000 gals. oil burned = 158.8 x %S content of oil

$\frac{\text{lbs/hr oil}}{1000 \times 8.0 \text{ lbs/gal}} \times 158.8 \times \text{_____} = \text{_____} \text{ lbs/hr SO}_2$

$\text{_____} \times 24 = \text{_____} \text{ lbs/day SO}_2 = \text{_____} \text{ tons}$

NO_x emissions were calculated from the following formulae:

(PHS Pub. No. 999-AP-29)

For No. _____ Oil NO_x = _____ lbs./1000 gal.

For Bagasse NO_x = 0.3 lb./10⁶ Btu Heat Input

$8.0 \text{ lbs/gal} = \text{_____} \text{ gal/hr Oil}$

NO_x (Oil) = _____ x _____ = _____ lbs/hr x 24 = _____ lbs/day

NO_x (Bagasse) = 37,720 x 3,600 = 120.0 x 10⁶ Btu/hr.

$\frac{120.0}{10^6} \times 0.3 = 36.0 \text{ lbs/hr. NO}_x$

Total NO_x = _____ + _____ = _____ lbs/hr.

$\frac{\text{()} \times 24 \times 150}{2000} = \text{_____} \text{ tons/yr NO}_x \text{ from Oil}$

$\frac{(36.0) \times 24 \times 150}{2000} = 64.8 \text{ tons/yr NO}_x \text{ from Bagasse}$

$\text{_____} + \text{_____} = 64.8 \text{ tons/yr NO}_x \text{ Total}$

Calculation of Allowable Particulate Emissions

Criteria for Allowable Particulates:

Bagasse 0.3 lbs per 10^6 Btu of Heat Input

Oil 0.1 lbs per 10^6 Btu of Heat Input

Heat Input from Bagasse = 135.8 $\times 10^6$ Btu/hr.

Heat Input from Oil = - Btu/hr.

(135.8 $\times 0.3$) + (- $\times 0.1$) = 40.7 lbs/hr. Allowable
Particulate Emissions

Item E Calculation of Scrubber Efficiency

Inlet particulate loading to the scrubber was calculated utilizing emissions test results performed on CLEWISTON BOILER #6 which is of similar design.

Test No. 1 Date 3-25-74 210 lbs/hr.

Test No. Date lbs/hr.

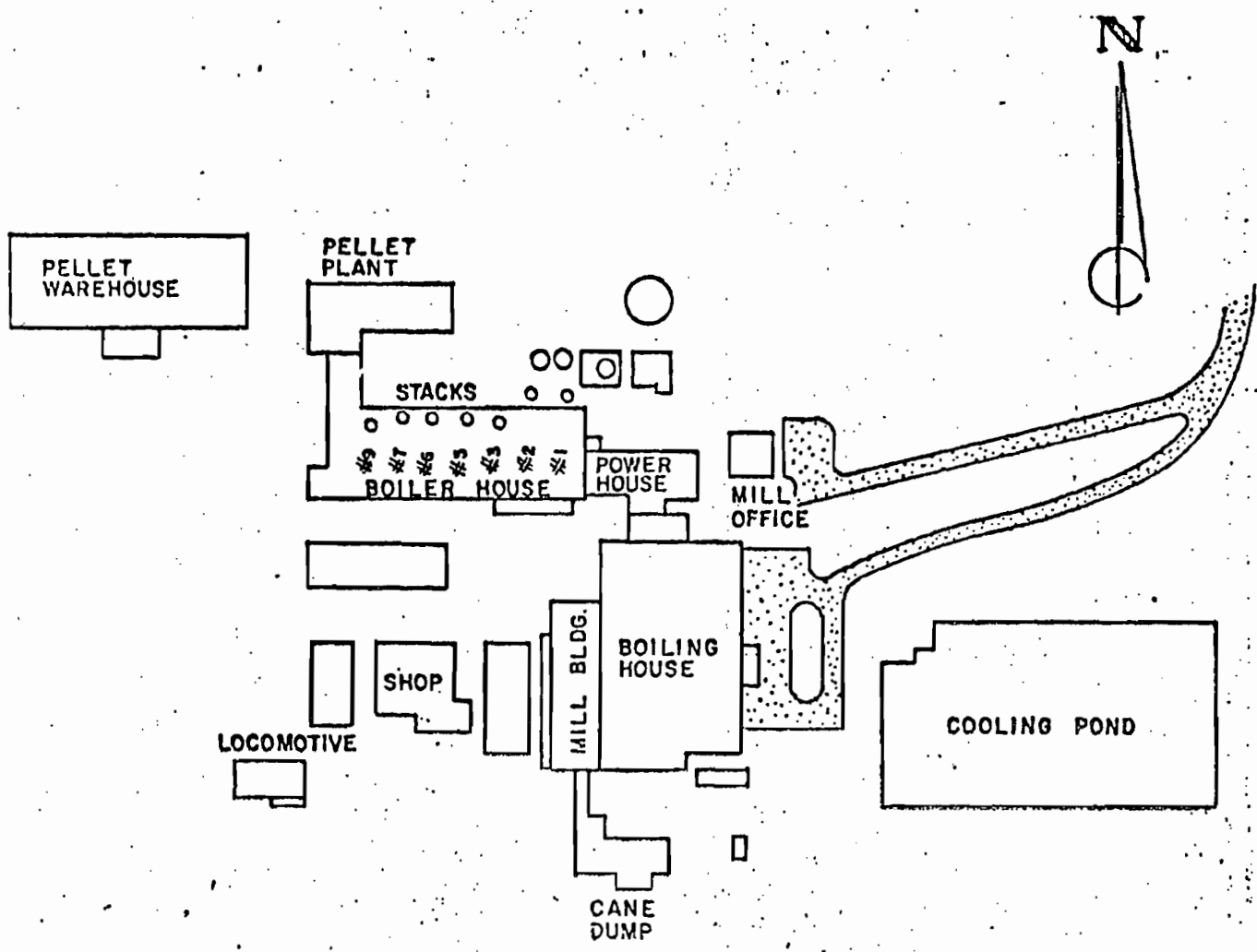
Test No. Date lbs/hr.

Average 210 lbs/hr.

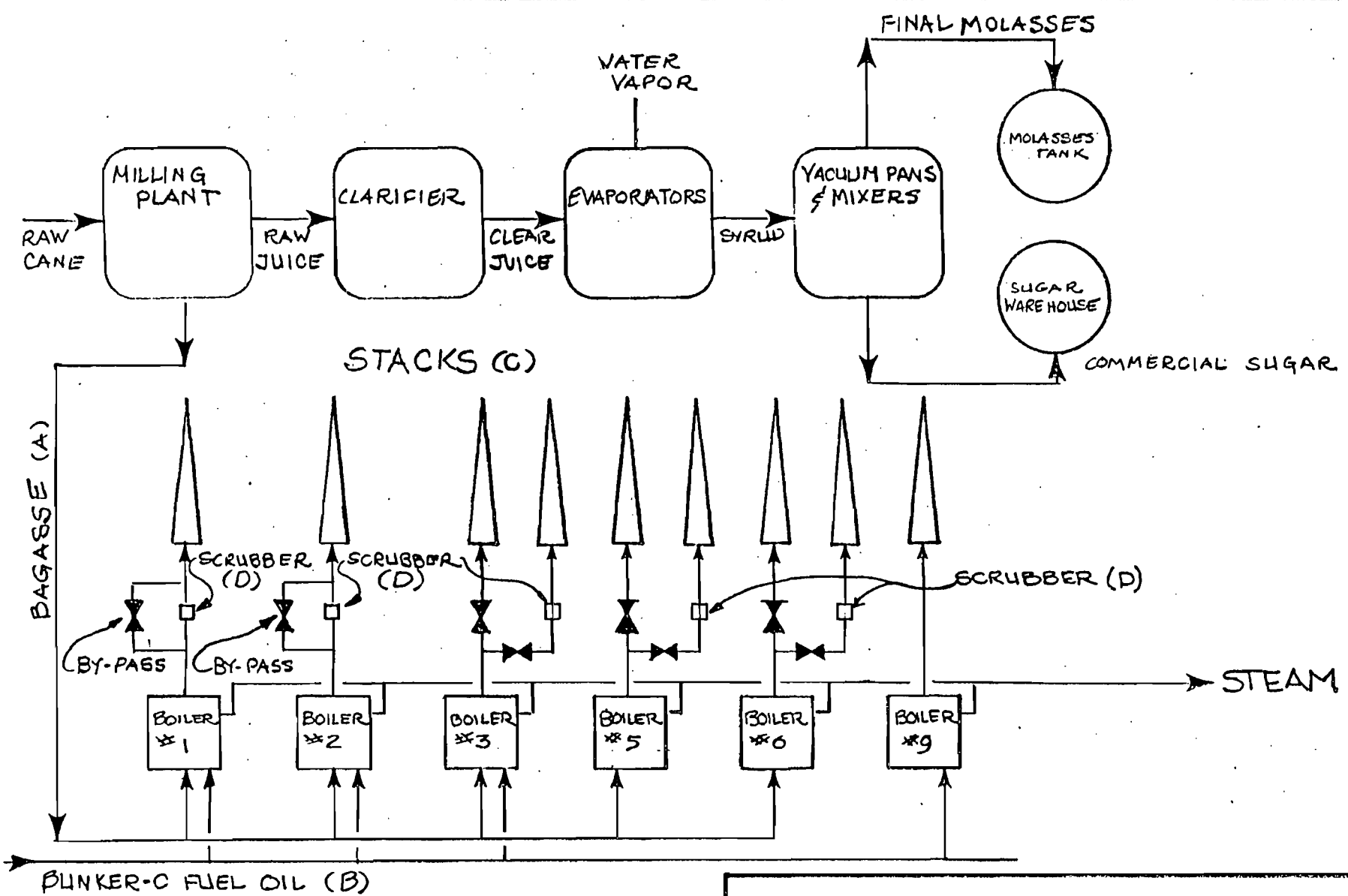
Average emissions from Scrubber 34.0 lbs/hr.

Scrubber Efficiency = $\frac{210 - 34.0}{210} \times 100$

= 83.8 %



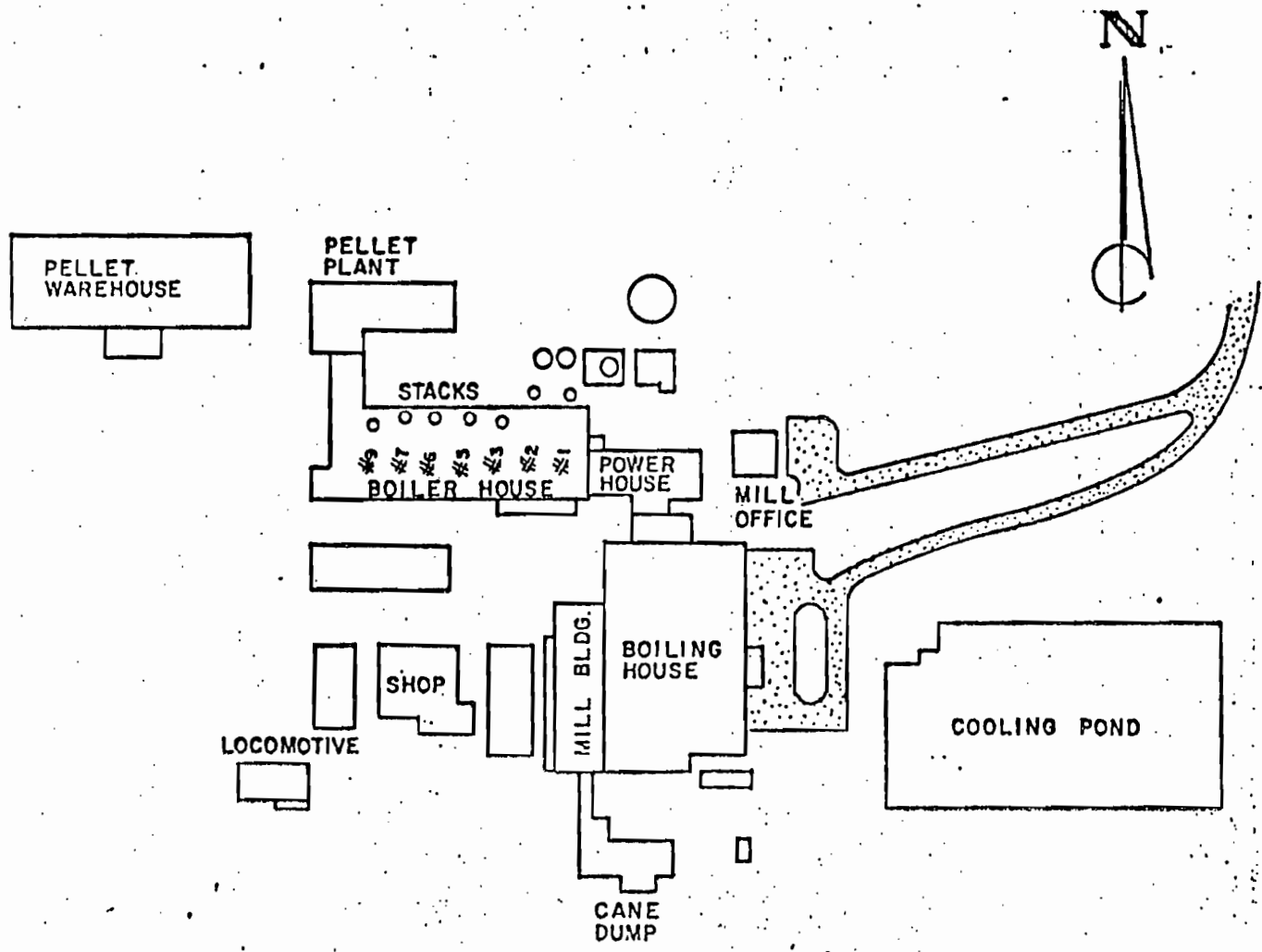
PLOT PLAN
U.S. SUGAR CORP.
CLEWISTON, FLORIDA



NOTE:

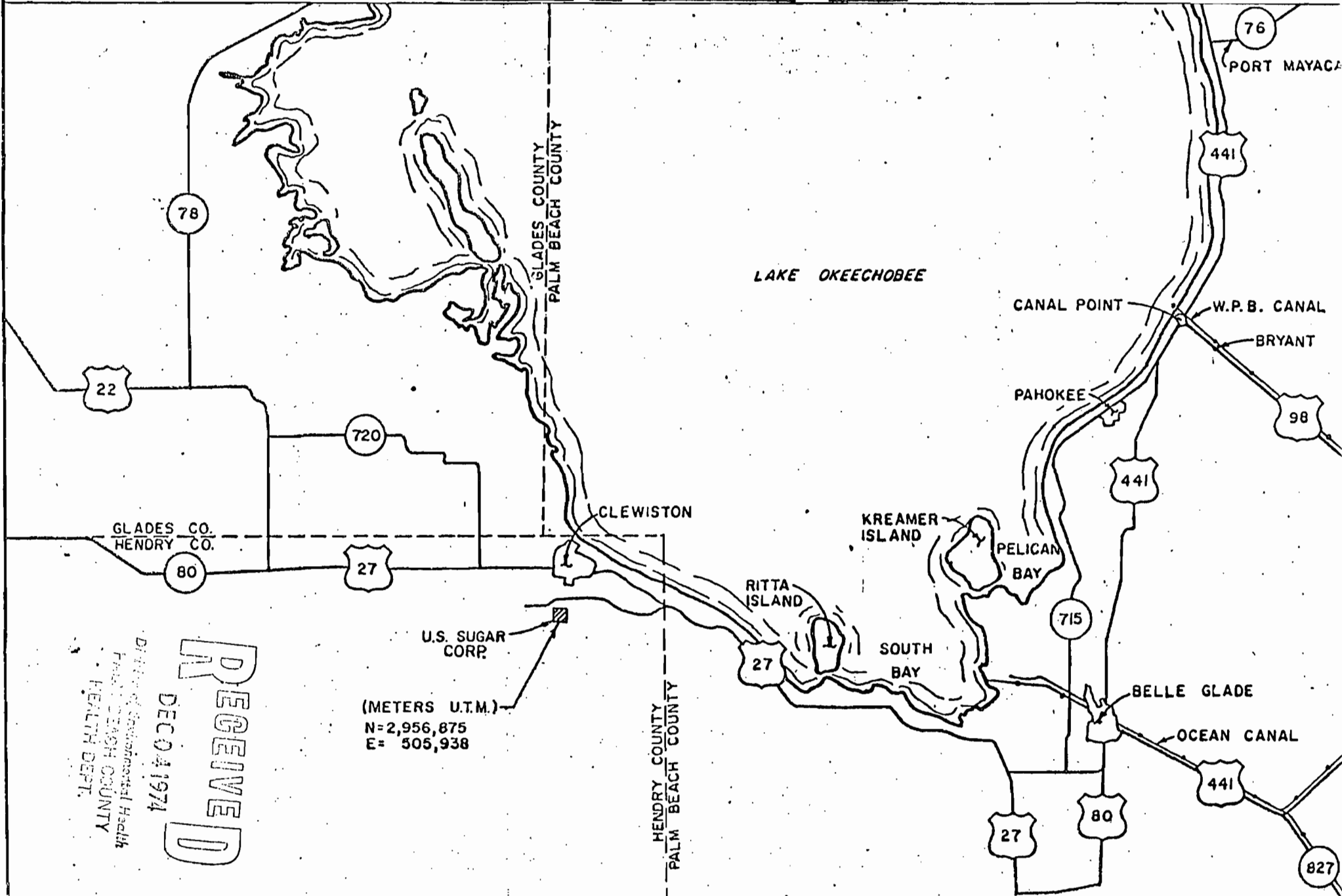
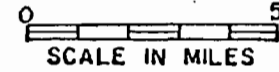
BOILERS #5 & #6 USE BAGASSE ONLY
BOILER #9 USED AS STAND-BY
 FIRED BY OIL ONLY.

KLEEMAN ENGINEERING, INC., 1507 N.W. 47th AVE. Ft. Lauderdale, Fla. 33313		
SCALE: NONE	APPROVED BY:	DRAWN BY R.L.P.
DATE: 4/19/74		REVISED
SCHEMATIC PROCESS FLOW DIAGRAM U.S. Sugar Corp. - Clewiston Mill - Clewiston, Fla.		
Proj. No(s).	-74-0145, 0146 & 0153	DRAWING NUMBER



PLOT PLAN
U.S. SUGAR CORP.
CLEWISTON, FLORIDA

U.S. SUGAR CORP.
CLEWISTON, FLA.
LOCATION OF U.S. SUGAR CORP WITH
RESPECT TO SURROUNDING AREA



U.S. SUGAR
CORP.

(METERS U.T.M.)
N= 2,956,875
E= 505,938

RECEIVED
DEC 04 1974
Division of Sanitaristical Health
Palm Beach County
HEALTH DEPT.

STATEMENTS BY APPLICANT AND ENGINEER

A. Applicant

The undersigned owner or authorized representative of * U. S. Sugar Corp. is fully aware that the statements made in this application for a Construct permit are true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter 403 Florida Statutes and all the rules and regulations of the Department or revisions thereof. He also understands that a permit, if granted by the Department, will be non-transferable and he will promptly notify the Department upon sale or legal transfer of the permitted establishment.

A. R. Mayo

Signature of the Owner or Authorized Representative

A. R. Mayo, Vice President

Name and Title (Please Type)

Date: November 25, 1974 Telephone No.: (813) 983-8121

* Attach a letter of authorization

B. Professional Engineer Registered in Florida:

This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the control and discharge of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that the pollution source(s) with appropriate control facilities, when properly maintained and operated, will comply with all applicable statutes of the State of Florida and the rules and regulations of the Department. It is also agreed that the undersigned will furnish the applicant a set of instructions for the proper maintenance and operation of the installation covered in this application.

Signature Frank S. Kleeman

Mailing Address: Kleeman Engineering, Inc,
1507 N.W. 47th Ave.
Ft. Lauderdale, Fla. 33319

Name: Frank S. Kleeman, P.E.
(please type)

Telephone No.: (305) 731-9121

Florida Registration Number 13622
(Please affix seal)

Date: November 25, 1974

BEST AVAILABLE COPY

UNITED STATES SUGAR CORPORATION

Post Office Drawer 1207 Clewiston, Florida 33440
Telephone: (813) 983-8121 Telex: 510-952-7753

RECEIVED

JAN 16 1991

DER-BAQM

TELECOPY

TO: Willard Hanks
COMPANY: FDER
FROM: Bubba Wade
DATE: 1-16-91
TIME: 10 am
TOTAL PAGES INCLUDING COVER SHEET: 7

CONFIRMED WITH: _____

UNITED STATES SUGAR CORPORATION

Post Office Drawer 1207 Clewiston, Florida 33440
Telephone: (813) 983-8121

January 16, 1991

Mr. Willard Hanks
Division of Air Resources Management
Florida Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

RE: Amendments to Air Construction and Operating Permits for
Boilers at United States Sugar Corporation, Bryant Mill

Dear Mr. Hanks:

As you and I discussed on January 14, 1991, U. S. Sugar would like to request certain minor changes made to the Amendments of Permits Evaluation and to the letter dated December 20, 1990 from Mr. Steve Smallwood, Director of your Division. I have attached copies of both of these documents with the changes that we would like to see.


In our original meeting in early November, we had calculated that burning the soils at a throughput rate equal to 2% of the bagasse feed rate that we could burn all soils at a steady rate over the remaining crop days. Since we will not have approval until at least January 17, 1991, we cannot burn all of the soils at a 2% steady rate during this crop. Therefore, we are asking to have the soil throughput rate increased up to 10% of the bagasse feed rate. This new rate meets our original objective of burning all the soils at a steady rate over the crop days remaining after permission is granted. Both United States Sugar Corporation and our consultants, ERM-South, Inc. believe this would cause no violation of current emission limits and would result in an ash which would fully meet clean fill criteria as specified in Chapter 17-775, Florida Administrative Code.

The second change relates to the volume of soils to be burned. We are requesting that the 6,000 cubic yards currently on site, plus the additional 500 cubic yards which will be permitted for the following season, be combined to allow us to have the entire amount burned by the end of the 1991-92 season (approximately April 1, 1992). This second change merely allows us to burn next crop any soil remaining out of the 6,000 cubic yards which we cannot physically burn by the end of this crop due to unforeseen circumstances such as mechanical breakdown.

Mr. Willard Hanks
January 16, 1991
Page Two

As we discussed, time is of the essence and we would greatly appreciate a timely response from you on this matter. Please feel free to contact me at (813) 983-8121, ext. 2105 with any questions or comments that you may have.

Sincerely,



M. S. Wade, Jr.
Vice President,
Administrative Services

MSW/mm
Attachments

cc: Mr. Alan Mayo
Mr. Parker Thomson



Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary

December 20, 1990

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. A. R. Mayo, Vice President
United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

Dear Mr. Mayo:

Attached is one copy of the Department's evaluation of your request to amend the permits for boilers Nos. 1, 2, and 3 at the Bryant Mill.

Note that you are required to publish a Notice of Intent to Issue and the Department will be required to consider any public comments submitted in response to this notice prior to amending these permits. Also, you will have to comply with the Bureau of Waste Cleanup regulations (Rule 17-775, F.A.C.) when treating contaminated soil.

Please submit any written comments you wish to have considered concerning the Department's proposed action to Mr. Barry Andrews of the Bureau of Air Regulation.

Sincerely,

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

CHF/WH/plm

Attachments

c: David Knowles, South Dist.
Parker Thomson, Attorney
Don Ehlenbeck, BWC
Jim Stormer, PBCHD

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

AO 50-116610/AC 50-2041A
AO 50-116613/AC 50-2042A
AO 50-182890/AC 50-2043A

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its intent to issue an amendment (copy attached) to the referenced permits as detailed in the file specified above. The Department is issuing this Intent to Issue for the reasons stated in the attached Amendment of Permits Evaluations.

The permittee, United States Sugar Corporation, requested on November 12, 1990, that the Department of Environmental Regulation amend the current permits for the bagasse/oil fired boilers Nos. 1, 2, and 3 at their sugar mill located on U.S. Route 98, Bryant, Palm Beach County, Florida, to allow soils contaminated with "virgin" fuels (No. 2 and No. 6 oil) and "on-spec" used oil (lubricants) to be burned with the normal fuels in these boilers.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 17-2 and 17-4. The project is not exempt from permitting procedures. The Department has determined that air construction permit amendments are required for the proposed work.

Pursuant to Section 403.815, F.S. and DER Rule 17-103.150, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue. The notice shall be published one time only within 30 days, in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "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. The applicant shall provide proof of publication to the Department, at the address specified within seven days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permits.

The Department will issue the permit amendments with the attached conditions unless a petition for an administrative proceeding (hearing) is filed pursuant to the provisions of Section 120.57, F.S.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant and the parties listed below must be filed within 14 days of receipt of this intent. Petitions filed by other persons must be filed within 14 days of publication of the public notice or within 14 days of receipt of this intent, whichever first occurs. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information:

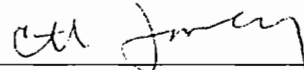
- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the applications have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office in General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such

person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



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

Copies furnished to:

David Knowles, South Dist.
Parker Thomson, Attorney
Don Ehlenbeck, BWC
Jim Stormer, PBCHD

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF INTENT TO ISSUE and all copies were mailed before the close of business on 12-20-90.

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to
§120.52(9), Florida Statutes, with
the designated Department Clerk,
receipt of which is hereby
acknowledged.

Keri Baker
Clerk

12-20-90
Date

State of Florida
Department of Environmental Regulation
Notice of Intent to Issue

The Department of Environmental Regulation hereby gives notice of its intent to issue an amendment to permits Nos. AO 50-116610 (AC 50-2041A), AO 50-116613 (AC 50-2042A), AO 50-182890 (AC 50-2043A) that will authorize the burning of soil contaminated with "virgin" fuels (No. 2 and No. 6 oil) and "on-spec" used oil (lubricants) in the existing bagasse/oil fired boilers Nos. 1, 2, and 3 at U.S. Sugar Corporation's sugar mill, located on U.S. Hwy 98 in Bryant, Palm Beach, Florida. The allowable emissions and ambient air impact of the boilers will not change as a result of burning this soil. A determination of Best Available Control Technology (BACT) was not required. The Department is issuing this Intent to Issue for the reasons stated in the Amendment of Permits Evaluation.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the applications have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

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

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

Department of Environmental Regulation
South District
2269 Bay Street
Fort Myers, Florida 33901-2896

Palm Beach County Health Dept.
Division of Environmental Science
and Engineering
901 E. Evernia Street
West Palm Beach, Florida 33402

Any person may send written comments on the proposed action to Mr. Barry Andrews at the Department's Tallahassee address. All comments mailed within 14 days of the publication of this notice will be considered in the Department's final determination.

Amendment of Permits Evaluation

United States Sugar Corporation
Palm Beach, County
Bryant, Florida

<u>Sources</u>	<u>Permit Numbers</u>
Boiler No. 1	AO 50-116610/AC 50-2041A
Boiler No. 2	AO 50-116613/AC 50-2042A
Boiler No. 3	AO 50-182890/AC 50-2043A

Department of Environmental Regulation
Division of Air Resources Management
Bureau of Air Regulation

December 19, 1990

I. General Information

A. Permittee

United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

B. Request

On November 12, 1990, the attorney for the permittee submitted a written request to amend the permits for bagasse/oil fired boilers Nos. 1, 2, and 3 at the sugar mill located on U.S. Highway 98 in Bryant, Palm Beach County, Florida. The amendment would authorize the burning of soils contaminated with "virgin" fuels (No. 2 and No. 6 fuel oil) and "on-spec" used oils (lubricants).

C. Emissions

Each boiler is currently permitted to burn bagasse and fuel oils. The allowable particulate matter emissions are 0.30 lbs/MMBtu for bagasse, and 0.10 lbs/MMBtu for fuel oil. The permittee has stated that the emissions from the scrubbers controlling these boilers will meet the permitted standards when the boilers are treating contaminated soil.

II. Rule Applicability

The proposed project, burning contaminated soil in existing bagasse/fuel oil fired boilers, is subject to Chapter 403, Florida Statutes, and Chapter 17-2 Florida Administrative Code.

The sources are in an area designated nonattainment for ozone (F.A.C. Rule 17-2.410) and attainment for the other criteria pollutants (F.A.C. Rule 17-2.420).

The boilers are major sources because emissions exceed 100 TPY. The proposed project is not subject to preconstruction review because it will not result in an increase in emissions.

The sources will remain subject to the restrictions in their current permits.

III. Technical Evaluation

Fuel leaks and spills have contaminated some soils at U.S. Sugar Corporation's Bryant Mill. The contaminants are "virgin" No. 2 and No. 6 fuel oil and "on-spec" used oils from their own operation. The Department is not authorizing the boilers to burn contaminated soil from any other site. Presently, the permittee has accumulated approximately 6,000 cubic yards of contaminated soil. They anticipate generating 500 cubic yards of contaminated soil each year.

The boilers are allowed to burn bagasse, No. 2 and No. 6 fuel oils, and "on-spec" used oil. The bagasse contains dirt from the fields which is not entirely removed in the crushing process and thus passes through the boilers. The permittee is requesting permission to add contaminated soil to the bagasse at approximately 2% of the rate by weight of the bagasse fuel. The oils will be evaporated from the soil and burned in the boilers. The flue gases containing the products of combustion will pass through scrubbers before being exhausted to the atmosphere. The Department believes that the scrubbers will reduce the emissions to below the allowable limits in the permits for the boilers.

Chapter 17-775, F.A.C., requires the permittee to analyze the soil prior to treatment and prior to disposal to show that it is in compliance with the Bureau of Waste Cleanup regulations.

IV. Air Quality Analysis

As burning the contaminated soil in the boilers will not increase emissions, the ambient air impact of the sources will be unchanged.

V. Conclusion

Based on the information provided by U.S. Sugar Corporation, the Department has reasonable assurance that the proposed amendment to the existing permits for the bagasse/oil fired boilers at the Bryant Mill, as described in this evaluation, and subject to the conditions proposed herein, will not cause or contribute to a violation of any air quality standard, PSD increment, or any other technical provision of Chapter 17-2 of the Florida Administrative Code.

Barry D. Andrew
36024
12-20-90



Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

December 20, 1990

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. A. R. Mayo, Vice President
United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

DRAFT

Dear Mr. Mayo:

Re: Amendment of Permits

The Department is in receipt of Mr. Parker Thomson's November 12, 1990, letter requesting the permits for the bagasse/No. 6 oil fired boilers Nos. 1, 2, and 3 at your Bryant mill be amended to authorize the burning of soils from this mill's property that are contaminated with "virgin" fuels (No. 2 and No. 6 oils) and "on-spec" used oil (lubricants) in these boilers. This request is acceptable, with conditions. Permit numbers AO 50-116610/AC 50-2041A, Boiler No. 1; AO 50-116613/AC 50-2042A, Boiler No. 2; and AO 50-182890/AC 50-2043A, Boiler No. 3 are amended to authorize the burning of a total of 6,000 cubic yards of petroleum ("virgin" fuels and "on-spec" used oils), contaminated soil during the 1990-1991 season and up to 500 cubic yards during future seasons. The soil must comply with Chapter 17-775, F.A.C. The boilers must comply with the permits (including emission limits for all pollutants), and Chapter 17-2, F.A.C., when burning the maximum amount of contaminated soil (estimated at 2% of the bagasse feed rate) in the boilers. Annual compliance tests are to be conducted while burning soils. The permittee must keep records of the analysis and quantity of soil burned each season.

A copy of this letter must be filed with the referenced permits and shall become a part of those permits.

Sincerely,

STEVE SMALLWOOD, P.E.
Director
Division of Air Resources
Management

SS/WH/plm

Attachment: Mr. Parker Thomson's letter dated November 12, 1990.

c: David Knowles, South Dist.
Parker Thomson, Attorney
Don Ehlenbeck, BWC
Jim Stormer, PBCHD



UNITED STATES SUGAR CORPORATION

Post Office Drawer 1207 Clewiston, Florida 33440
Telephone: (813) 983-8121 Telex: 510-952-7753

January 4, 1991

RECEIVED

JAN 9 - 1991

DER-BAQM

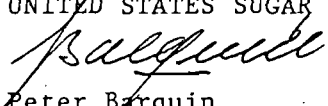
Mr. C. H. Fancy, P.E.
Florida Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Dear Mr. Fancy:

We are enclosing Affidavit of Proof of Publication certifying that the Notice of Intent forwarded to us with your December 20, 1990 letter was duly published in the legal advertising section of the January 2, 1991 issue of the Palm Beach Post newspaper.

Very truly yours,

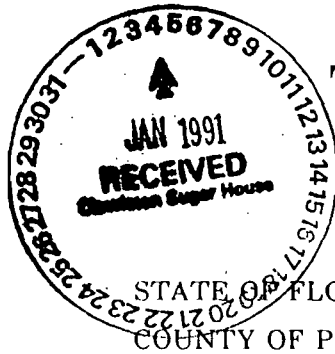
UNITED STATES SUGAR CORPORATION


Peter Barquin
Administrative Assisant to
Senior Vice President
Sugar Houses

PB:jt
Enclosure

cc: Mr. David Knowles, South District
Mr. Parker Thompson, Attorney
Mr. Jim Stormer, PBC Health Dept.
Mr. Don Ehlenbeck, Bur. of Waste Cleanup

0. 1/10/91



THE PALM BEACH POST

Published Daily and Sunday
West Palm Beach, Palm Beach County, Florida

PROOF OF PUBLICATION

Before the undersigned authority personally appeared Chris Bull
 who on oath says that she/he is Class. Sales Mgr. of The Palm Beach Post,
 a daily and Sunday newspaper published at West Palm Beach in Palm Beach County,
 Florida; that the attached copy of advertising, being a Notice
intent to issue
 in the matter of _____
 in the _____ Court, was published in said newspaper in
 the issues of January 2, 1991

Affiant further says that the said The Post is a newspaper published at West Palm Beach, in said Palm Beach County, Florida, and that the said newspaper has heretofore been continuously published in said Palm Beach County, Florida, daily and Sunday and has been entered as second class mail matter at the post office in West Palm Beach, in said Palm Beach County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that she/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.

Sworn to and subscribed before me this 2 day of January A.D. 19 91

NOTARY PUBLIC STATE OF FLORIDA
 MY COMMISSION EXPIRES 12/31/92

NO. 344223
 State of Florida
 Department of
 Environmental Regulation
 Notice of Intent to Issue
 The Department of Environmental Regulation hereby gives notice of its intent to issue an amendment to permits Nos. AO 50-116610 (AC 50-2041A), AO 50-116613 (AC 50-2042A), AO 50-182890 (AC 50-2043A) that will authorize the burning of soil contaminated with "virgin" fuels (No. 2 and No. 6 oil) and "on-spec" used oil (lubricants) in the existing bagasse/oil fired boilers Nos. 1, 2, and 3 at U.S. Sugar Corporation's sugar mill, located on U.S. Hwy 98 in Bryant, Palm Beach, Florida. The allowable emissions and ambient air impact of the boilers will not change as a result of burning this soil. A determination of Best Available Control Technology (BACT) was not required. The Department is issuing this intent to issue for the reasons stated in the Amendment of Permits Evaluation.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2800 Blair Stone Road, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative (hearing) under Section 120.57, Florida Statutes. The Petition shall contain the following information:

(a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;

(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;

(c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;

(d) A statement of the material facts disputed by Petitioner, if any;

(e) A statement of facts which petitioner contends warrant reversal or modification of the

(f) A statement of why the or statutes petitioner demands require reversal or modification of the Department's action or proposed action.

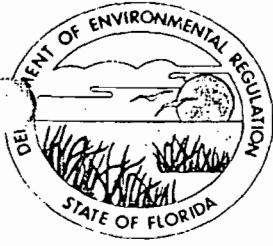
(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process designed to formulate appropriate action. Accordingly, the Department's final action may differ from the position taken by it in this Notice. Persons whose substantial interests will be affected by decision of the Department with regard to the application have the right to petition to a party to the proceeding. Petition must conform to requirements specified at and be filed (received) within 14 days of publication of notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allotted time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to the proceeding. Any subsequent intervention will only be at approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C. The applications are available for public inspection during normal business hours, a.m. to 5:00 p.m., Monday through Friday, except holidays, at the Department of Environmental Regulation, Bureau of Air Regulation, 2800 Blair Stone Road, Tallahassee, Florida 32399-2400.

Department of Environmental Regulation
 South District
 2209 Bay Street
 Fort Myers, Florida 33901
 2596
 Palm Beach County Health Dept.
 Division of Environmental Science and Engineering
 901 E. Evernia Street
 West Palm Beach, Florida 33402

Any person may send written comments on the proposition to Mr. Barry Andrew at the Department's Tallahassee address. All comments must be received within 14 days of the publication of this notice will be considered in the Department's final determination.

PUB: Palm Beach Post
 January 2, 1991



Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

June 21, 1989

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. A. R. Mayo
Senior Vice President
United States Sugar Corporation
Post Office Drawer 1207
Clewiston, Florida 33440

Dear Mr. Mayo:

Re: Bryant Mill Boiler No. 5 Test Results

The Bureau of Air Quality Management staff has reviewed the February 1989, test reports and your attorney's May 8, 1989, letter addressing carbon monoxide (CO) emissions for boiler No. 5 at the Bryant Mill.

Several deficiencies were noted in the compliance tests. The minimum sampling time per run is 1 hour (F.A.C. Rule 17-2.700(1)(d)1.a.). Valid test results are the average of 3 runs although, under some circumstances, the average of 2 runs can be accepted if the results are at least 20% below the emission standard (F.A.C. Rule 17-2.700(1)(b)1.).

Run No. 1 for the CO test was only 30 minutes and is therefore invalid. The average of the other 2 runs was not 20% below the CO standard. Therefore, the CO test results are invalid.

Also, the average of run Nos. 1 and 3 (run No. 2 was considered erroneous and not included in the average) of the Method 25 test for volatile organic compounds was not 20% below the standard. This test is also invalid. Both of these must be repeated during the 1989-1990 crop season.

As stated in permit No. AC 50-137573, the rule applicability determination was based on the CO emissions being 0.25 lbs/MMBtu. Your test data and test reports on other bagasse boilers shows this emission factor is low. We concur with your attorney's suggestion that the CO emission factor for this boiler be reevaluated by an approach similar to that used by Osceola Farms Company.

Mr. A. R. Mayo
Page Two
June 21, 1989

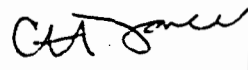
The Bureau requests that U.S. Sugar do the following:

- o Conduct CO and VOC compliance tests for boiler No. 5 during the 1989-1990 crop season.
- o Prepare a test plan to establish the appropriate CO emission factor for Bryant boiler No. 5 prior to the 1989-1990 crop season.
- o Collect CO emission data during the 1989-1990 crop season.
- o Establish actual CO emissions from this boiler based on the test data.
- o Prior to the 1990-1991 crop season, provide the information required to revise the technical evaluation for boiler No. 5 for CO. This may include all information required by the PSD regulations for CO (F.A.C. Rule 17-2.500).

Based on the results of this study, the Department will modify or amend permit No. AC 50-137573 to reflect expected CO emissions from boiler No. 5.

If you have any questions on this matter, please write to me or call Willard Hanks at (904)488-1344.

Sincerely,



C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management

CHF/WH/s

cc: D. Knowles, SW District
P. Cunningham, Esq.
G. Sacco, PBCHD

10-18-90

Syed,

Do you have any comment
on the attached?

10/19
Only Report # 1340-P
is attached. What happens
to the other reports. I
did not see anything wrong
with this report. Sid

UNITED STATES SUGAR CORPORATION

Post Office Drawer 1207 Clewiston, Florida 33440
Telephone: (813) 983-8121 Telex: 510-952-7753

October , 1990

Mr. C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management
Florida Department of
Environmental Regulation
Twin Tower Office Building
2600 Blair Stone Road
Tallahassee, Fla. 32399-2400

REF: Palm Beach County-AP
U.S. Sugar Corporation
Bryant Boiler No. 5
AC50-137573 &
A050-162367

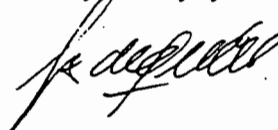
Dear Mr. Fancy:

Following your requests enumerated in your letter to us on June 21, 1989, and our proposal in our letter to you of November 14, 1989, to provide your Department, prior to the 1990-1991 crop season, the information required to revise the technical evaluation for Boiler No. 5, we are sending you the following: Three (3) reports on CO Emission, of three (3) one (1) hour runs each. Report No. 1334-P conducted on December 14, 1989, Report No. 1340-P conducted on December 21, 1989 and Report No. 1341-P conducted on December 22, 1989.

We are also sending you Report No. 1371-S conducted on February 15, 1990 for total Gaseous Non-Methane Organic Compounds, for Boiler No. 5. This is also as per your request in your letter of June 21, 1989.

The CO tests clearly show that the CO Emission factor of 0.25 LBS/MMBTU is too low, and as mentioned in your letter we hope that based on the results of this study, the Department will modify or amend Permit No. AC50-137573 to reflect expected CO Emissions from Boiler No. 5.

Very truly yours,



Peter Barquin
Adm. Ass't. to Senior Vice Pres.
Sugar Houses

PB/dsp
Enclosures

cc: Mr. David Knowles
Palm Beach Co. Health Dept., ESE

A. Wank
AHE/PA

RECEIVED
OCT 11 1990
DER-BAQM

Department of Environmental Regulation
Routing and Transmittal Slip

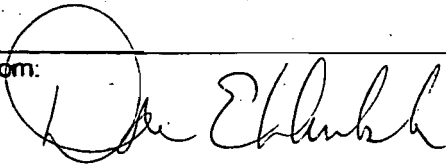
To: (Name, Office, Location)

1. Willard Hawks, ~~BAR~~
 2. TY 306D
 - 3.
 - 4.
- RECEIVED
JAN 24 1991
DER-BAQM

Remarks:

As long as USSEC is only processing soil from its facilities I agree that soils may be burned in their boilers.

From:



Date

1/23/90

Phone

8-0190

Department of Environmental Regulation
Routing and Transmittal Slip

To: (Name, Office, Location)

1. ~~Don Ehlensbeck, BWC~~ *NE*

2. *IT 505*

3.

4.

Remarks:

attached is another request to
burn contaminated soils in
a sugar cane plant boiler.

BAR will probably handle the
same as the one we are
processing now.

Any comments?

From:

Willard Hanks

Date

7-14-91

Phone

8-1344

THOMSON MURARO BOHRER & RAZOOK, P.A.

JAN 15 1991

ATTORNEYS AT LAW
1700 AMERIFIRST BUILDING
ONE SOUTHEAST THIRD AVENUE
MIAMI, FLORIDA 33131

Engineering Support Section
TELEPHONE
(305) 350-7200

TELECOPIER
(305) 374-1005

PARKER D. THOMSON

January 11, 1991

RECEIVED
JAN 14 1991
DER-BAQM

Mr. Willard Hanks
Division of Air Resources Management
Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Amendment to Air Construction and Operating Permits for
Boilers at United States Sugar Corporation Clewiston
Mill

Dear Mr. Hanks:

We are hereby seeking amendments to the operating permits for Boilers #1, 2, 3, 5, and 6 at the Clewiston Mill of United States Sugar Corporation ("USSC"). These operating permits bear #A026182886, A026186289, A026116616, A026147105 and A026123705. To facilitate your review of this request we enclose copies of these five operating permits, together with construction permits for each of these boilers.

These boilers presently are licensed to burn Diesel #6 (Bunker C) and/or bagasse. In addition, in accordance with the FDER's general directive dated January 5, 1987, USSC recycles "on-specification" used oil in these industrial boilers. The requested amendment is the burning of soils impacted with "on-specification" used oil in these boilers under the circumstances and subject to the limitations specified in this letter.

USSC has performed initial remedial actions consisting of removal of soils at the Clewiston Mill impacted with diesel and lubricating oils. These impacted soils (being approximately 86% diesel-impacted, and 14% lubricating oil-impacted and totalling approximately 1200 cubic yards) are presently staged at the Clewiston Mill on top of a visqueen base, and covered with visqueen.

Certain soils in the Clewiston Mill area (including the railroad yard) became impacted with diesel and lubricating oils. Our consultants, ERM-South, have concluded that these impacted soils are available for on-site thermal treatment in Boilers #1, 2, 3, 5, and 6 at the Clewiston Mill. According to laboratory analyses performed on excavated soils in January and June 1990, the criteria specified for total arsenic, cadmium, chromium, lead, and

Mr. Willard Hanks
January 11, 1991
Page 2

EPA Method 601 and 602 organics in Chapter 17-775, Florida Administrative Code, Soil Thermal Treatment Facilities (Proposed) have been met. Based on the low levels of total organics and metals found, and knowledge of the materials used at the site, it is not reasonable to expect that the soils are a hazardous waste according to criteria set forth in Chapter 17-730, Florida Administrative Code and 40 CFR §261, Appendix II. A tabular summary of the soils data is Attachment 1A and the test data underlying this summary is Attachment 1B.

Non-impacted soils are routinely being burned in the boilers because when sugar cane is brought to the mill for processing, a substantial amount of soil comes with it. Although most of this soil is removed during the milling process, a certain amount of soil still passes with the bagasse into the boilers. It is removed with the ash after firing of the bagasse in the boilers, and passes to the ash ponds.

It is the intention of USSC to place the impacted soils on the bagasse conveyors in an orderly way so as to dispose of the impacted soils as quickly as feasible without reducing boiler efficiency or exceeding emission standards. In that the bagasse conveyors already convey soil into the boilers, it is estimated that the additional soils will only increase the soil content of the bagasse from about 1% of average bagasse throughput to about 2-10% of average bagasse throughput during the period of disposition of these soils.

Data as to the characteristics of the boilers to be utilized for the thermal treatment of the impacted soils are set forth in Attachment 2.

Because of the soils analysis set forth in Attachment 1A, the small amount of soils throughput contemplated, and allowable quantities of bagasse to be burned, USSC and our consultants, ERM-South, conclude that the additional soils throughput would cause no violation of current permit emissions limits and would result in an ash which would fully meet clean fill criteria as specified in Chapter 17-775, Florida Administrative Code.

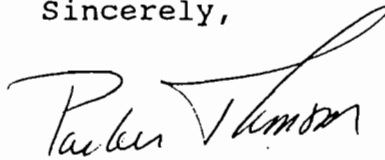
USSC desires permit amendments to provide for thermal treatment of approximately 1200 cubic yards of impacted soils during the 1990-1 processing season and no more than 500 cubic yards in each subsequent processing season. The requested permit amendments contemplate that only soils impacted on USSC property will be thermally treated and, in no event, will USSC thermally treat soils from outside parties.

THOMSON MURARO BOHRER & RAZOOK, P.A.

Mr. Willard Hanks
January 11, 1991
Page 3

We anticipate being ready to implement soil treatment as soon as approval of the requested permit amendments are received, and expect that all soils can be processed within the milling season. We therefore request maximum possible expedition of review of the requested permit amendments and approval thereof at the earliest possible time.

Sincerely,

A handwritten signature in cursive script, appearing to read "Parker Thomson". The signature is written in dark ink and is positioned to the right of the word "Sincerely,".

PDT/mpm
Enclosures

ATTACHMENT 1-A
SUMMARY OF SOILS DATA
U.S. SUGAR CORPORATION
CLEWISTON MILL

PARAMETER	LEVEL (ppm)
Thermal Treatment Characteristics:	
TRPH	≤19,000
Arsenic	≤8.5
Chromium	≤11
Lead	≤58
Cadmium	≤0.68
EPA 601 Organics	Not Detected
EPA 602 Organics	≤0.31

ATTACHMENT 1-B

LABORATORY TEST DATA for EXCAVATED SOILS AT CLEWISTON MILL

Item 1: Savannah Laboratories Data, 2 pages, consisting of:

- Sample RR-C (a composite soil sample collected from a minimum of 10 different locations from the railroad yard spoils pile)

Item 2: Savannah Laboratory Data, 3 pages, consisting of the following in-situ soil samples from the railroad yard:

- Sample CA (a vertical soil composite from ground surface to 4' at boring CC-6, located south of the locomotive shack)
- Sample CB (a vertical soil composite from ground surface to 3' at boring CC-5, located southwest of the locomotive shack)
- Sample CC (a vertical soil composite from 3' to 5' at boring CC-5, located southwest of the locomotive shack)
- Sample CD (a vertical soil composite from ground surface to 3' at boring CC-8, located south of the locomotive shack)
- Sample CE (a vertical soil composite from 3' to 4' at boring CC-8, located south of the locomotive shack)
- Sample CF (a vertical soil composite from ground surface to 2' at boring CC-2, along the south wall of the locomotive shack)
- Sample CG (a vertical soil composite from 2' to 6' at boring CC-2, along the south wall of the locomotive shack)
- Sample CH (a vertical soil composite from ground surface to 3' at boring CC-7, located west of the locomotive shack)
- Sample CI (a vertical soil composite from 3' to 6' at boring CC-7, located west of the locomotive shack)
- Sample CJ (a vertical soil composite from ground surface to 3' at boring CC-4, located east of the locomotive shack)

- Sample CK (a vertical soil composite from 3' to 5' at boring CC-4, located east of the locomotive shack)
- Sample CL (a vertical soil composite from ground surface to 3' at boring CC-3, located south of the locomotive shack)
- Sample CM (a vertical soil composite from 3' to 4' at boring CC-3, located south of the locomotive shack)

James W. Andrews, Ph.D.
President

Janette Davis Long
Vice-President

**SAVANNAH LABORATORIES
AND ENVIRONMENTAL SERVICES, INC.**

5102 LaRoche Avenue (31404)
P. O. Box 13548 • Savannah, GA 31416-0548
(912) 354-7858



LOG NO: S0-03102

Received: 07 JAN 90

Mr. Wayne Wragg
ERM-South, Inc.
2858 Northwest 79th Avenue
Miami, FL 33122-0133

Project: 53622.04 Clewiston

REPORT OF ANALYTICAL RESULTS

Page 16

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY
03102-18	RR-C (01.04.90)	Client
PARAMETER	03102-18	
Purgeables (601 & 602)		
Bromodichloromethane, ug/kg dw	<5.3	
Bromoform, ug/kg dw	<5.3	
Bromomethane, ug/kg dw	<5.3	
Carbon Tetrachloride, ug/kg dw	<5.3	
Chlorobenzene, ug/kg dw	<5.3	
Chloroethane, ug/kg dw	<5.3	
2-Chloroethylvinyl Ether, ug/kg dw	<5.3	
Chloroform, ug/kg dw	<5.3	
Chloromethane, ug/kg dw	<5.3	
Dibromochloromethane, ug/kg dw	<5.3	
1,2-Dichlorobenzene, ug/kg dw	<5.3	
1,3-Dichlorobenzene, ug/kg dw	<5.3	
1,4-Dichlorobenzene, ug/kg dw	<5.3	
Dichlorodifluoromethane, ug/kg dw	<5.3	
1,1-Dichloroethane, ug/kg dw	<5.3	
1,2-Dichloroethane, ug/kg dw	<5.3	
1,1-Dichloroethene, ug/kg dw	<5.3	
trans-1,2-Dichloroethylene, ug/kg dw	<5.3	
1,2-Dichloropropane, ug/kg dw	<5.3	
Cis-1,3-Dichloropropene, ug/kg dw	<5.3	
Trans-1,3-Dichloropropene, ug/kg dw	<5.3	
Methylene Chloride, ug/kg dw	<5.3	

James W. Andrews, Ph.D.
President

Janette Davis Long
Vice-President

**SAVANNAH LABORATORIES
AND ENVIRONMENTAL SERVICES, INC.**

5102 LaRoche Avenue (31404)
P. O. Box 13548 • Savannah, GA 31416-0548
(912) 354-7858



LOG NO: S0-03102

Received: 07 JAN 90

Mr. Wayne Wragg
ERM-South, Inc.
2858 Northwest 79th Avenue
Miami, FL 33122-0133

Project: 53622.04 Clewiston

REPORT OF ANALYTICAL RESULTS

Page 17

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY
03102-18	RR-C (01.04.90)	Client
PARAMETER	03102-18	
1,1,2,2-Tetrachloroethane, ug/kg dw	<5.3	
Tetrachloroethylene, ug/kg dw	<5.3	
1,1,1-Trichloroethane, ug/kg dw	<5.3	
1,1,2-Trichloroethane, ug/kg dw	<5.3	
Trichloroethene, ug/kg dw	<5.3	
Trichlorofluoromethane, ug/kg dw	<5.3	
Vinyl Chloride, ug/kg dw	<5.3	
Benzene, ug/kg dw	<5.3	
Ethylbenzene, ug/kg dw	<5.3	
Toluene, ug/kg dw	50	
Xylenes, ug/kg dw	260	
Arsenic, mg/kg dw	8.5	
Cadmium, mg/kg dw	0.68	
Chromium, mg/kg dw	11	
Lead, mg/kg dw	58	
Ignitability-flash point, Degrees F	**	

LOG NO: 00-02451

Received: 09 JUN 90

Mr. Jim Cowart
ERM-South, Inc.
2858 Northwest 79th Avenue
Miami, FL 33122-0133

Project: #53622.05

PARTIAL
REPORT OF RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY				
02451-1	CA (06.06.90)	Client				
02451-2	CB (06.06.90)					
02451-3	CC (06.06.90)					
02451-4	CD (06.06.90)					
02451-5	CE (06.06.90)					
PARAMETER	02451-1	02451-2	02451-3	02451-4	02451-5	
Purgeable Aromatics (602)						
Benzene, ug/kg dw	<5.0	<5.0	<5.0	<5.0	<5.0	
Chlorobenzene, ug/kg dw	<5.0	<5.0	<5.0	<5.0	<5.0	
1,2-Dichlorobenzene, ug/kg dw	<5.0	<5.0	<5.0	<5.0	<5.0	
1,3-Dichlorobenzene, ug/kg dw	<5.0	<5.0	<5.0	<5.0	<5.0	
1,4-Dichlorobenzene, ug/kg dw	<5.0	<5.0	<5.0	<5.0	<5.0	
Ethylbenzene, ug/kg dw	<5.0	<5.0	<5.0	<5.0	<5.0	
Toluene, ug/kg dw	<5.0	<5.0	<5.0	<5.0	<5.0	
Xylenes, ug/kg dw	<5.0	<5.0	<5.0	<5.0	<5.0	
Methyl-Tert-Butyl-Ether (MTBE), ug/kg dw	<50	<50	<50	<50	<50	
Petroleum Hydrocarbons (418.1), mg/kg dw	30	23	<10	<10	19	
Percent Solids, %	84	91	87	88	69	

LOG NO: 00-02451

Received: 09 JUN 90

Mr. Jim Cowart
ERM-South, Inc.
2858 Northwest 79th Avenue
Miami, FL 33122-0133

Project: #53622.05

PARTIAL
REPORT OF RESULTS

Page 2

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY				
02451-6	CF (06.06.90)	Client				
02451-7	CG (06.06.90)					
02451-8	CH (06.06.90)					
02451-9	CI (06.06.90)					
02451-10	CJ (06.06.90)					
PARAMETER	02451-6	02451-7	02451-8	02451-9	02451-10	
Purgeable Aromatics (602)						
Benzene, ug/kg dw	45	<25	<5.0	<5.0	<5.0	
Chlorobenzene, ug/kg dw	<25	<25	<5.0	<5.0	<5.0	
1,2-Dichlorobenzene, ug/kg dw	<25	<25	<5.0	<5.0	<5.0	
1,3-Dichlorobenzene, ug/kg dw	<25	<25	<5.0	<5.0	<5.0	
1,4-Dichlorobenzene, ug/kg dw	<25	<25	<5.0	<5.0	<5.0	
Ethylbenzene, ug/kg dw	910	500	<5.0	<5.0	<5.0	
Toluene, ug/kg dw	<25	<25	<5.0	<5.0	<5.0	
Xylenes, ug/kg dw	1800	410	<5.0	<5.0	<5.0	
Methyl-Tert-Butyl-Ether (MTBE), ug/kg dw	<250	<250	<50	<50	<50	
Petroleum Hydrocarbons (418.1), mg/kg dw	19000	72	21	<10	18	
Percent Solids, %	89	85	88	86	89	

LOG NO: 00-02451

Received: 09 JUN 90

Mr. Jim Cowart
 ERM-South, Inc.
 2858 Northwest 79th Avenue
 Miami, FL 33122-0133

Project: #53622.05

PARTIAL
 REPORT OF RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY		
02451-11	CK (06.06.90)	Client		
02451-12	CL (06.06.90)			
02451-13	CM (06.06.90)			
PARAMETER		02451-11	02451-12	02451-13
Purgeable Aromatics (602)				
Benzene, ug/kg dw		<5.0	<50	<25
Chlorobenzene, ug/kg dw		<5.0	<50	<25
1,2-Dichlorobenzene, ug/kg dw		<5.0	<50	<25
1,3-Dichlorobenzene, ug/kg dw		<5.0	<50	<25
1,4-Dichlorobenzene, ug/kg dw		<5.0	<50	<25
Ethylbenzene, ug/kg dw		<5.0	1100	170
Toluene, ug/kg dw		<5.0	<50	<25
Xylenes, ug/kg dw		<5.0	1200	130
Methyl-Tert-Butyl-Ether (MTBE), ug/kg dw		<50	<500	<250
Petroleum Hydrocarbons (418.1), mg/kg dw		<10	19000	8200
Percent Solids, %		82	92	85

**ATTACHMENT 2
PERMIT SUMMARY
U.S. SUGAR BOILERS
Clewiston Mill**

BOILER NUMBER	OPERATING PERMIT NUMBER	STEAM PRODUCTION (lbs/hr ave)	HEAT INPUT (mmBTU/hr max)	BAGASSE USAGE (tons/hr ave)	DIESEL #6 USAGE (gal/hr ave)	PARTICULATE STANDARD (lbs/mmbtu)
#1	A026182886	235,000	496 (Bagasse) 65 (Diesel #6)	58.6	42.0	0.25 (Bagasse) 0.10 (Fuel Oil)
#2	A026186289	235,000	496 (Bagasse) 65 (Diesel #6)	58.6	42.0	0.25 (Bagasse) 0.10 (Fuel Oil)
#3	A026116616	100,000	270 (Bagasse) 55 (Diesel)	35	7.2	0.30 (Bagasse) 0.10 (Fuel Oil)
#5	A026147105	70,000	140.1 (Bagasse)	16.0	N/A	0.30 (Bagasse)
#6	A026123705	70,000	144 (Bagasse)	20	N/A	0.30 (Bagasse)

UNITED STATES SUGAR CORPORATION

Post Office Drawer 1207 Clewiston, Florida 33440
Telephone: (813) 983-8121

January 16, 1991

RECEIVED

JAN 18 1991

DER-BAQM

Mr. Willard Hanks
Division of Air Resources Management
Florida Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

RE: Amendments to Air Construction and Operating Permits for
Boilers at United States Sugar Corporation, Bryant Mill

Dear Mr. Hanks:

As you and I discussed on January 14, 1991, U. S. Sugar would like to request certain minor changes made to the Amendments of Permits Evaluation and to the letter dated December 20, 1990 from Mr. Steve Smallwood, Director of your Division. I have attached copies of both of these documents with the changes that we would like to see.

In our original meeting in early November, we had calculated that burning the soils at a throughput rate equal to 2% of the bagasse feed rate that we could burn all soils at a steady rate over the remaining crop days. Since we will not have approval until at least January 17, 1991, we cannot burn all of the soils at a 2% steady rate during this crop. Therefore, we are asking to have the soil throughput rate increased up to 10% of the bagasse feed rate. This new rate meets our original objective of burning all the soils at a steady rate over the crop days remaining after permission is granted. Both United States Sugar Corporation and our consultants, ERM-South, Inc. believe this would cause no violation of current emission limits and would result in an ash which would fully meet clean fill criteria as specified in Chapter 17-775, Florida Administrative Code.

The second change relates to the volume of soils to be burned. We are requesting that the 6,000 cubic yards currently on site, plus the additional 500 cubic yards which will be permitted for the following season, be combined to allow us to have the entire amount burned by the end of the 1991-92 season (approximately April 1, 1992). This second change merely allows us to burn next crop any soil remaining out of the 6,000 cubic yards which we cannot physically burn by the end of this crop due to unforeseen circumstances such as mechanical breakdown.

Mr. Willard Hanks
January 16, 1991
Page Two

As we discussed, time is of the essence and we would greatly appreciate a timely response from you on this matter. Please feel free to contact me at (813) 983-8121, ext. 2105 with any questions or comments that you may have.

Sincerely,



M. S. Wade, Jr.
Vice President,
Administrative Services

MSW/mm
Attachments

cc: Mr. Alan Mayo
Mr. Parker Thomson

Amendment of Permits Evaluation

United States Sugar Corporation
Palm Beach, County
Bryant, Florida

<u>Sources</u>	<u>Permit Numbers</u>
Boiler No. 1	AO 50-116610/AC 50-2041A
Boiler No. 2	AO 50-116613/AC 50-2042A
Boiler No. 3	AO 50-182890/AC 50-2043A

Department of Environmental Regulation
Division of Air Resources Management
Bureau of Air Regulation

December 19, 1990

I. General Information

A. Permittee

United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

B. Request

On November 12, 1990, the attorney for the permittee submitted a written request to amend the permits for bagasse/oil fired boilers Nos. 1, 2, and 3 at the sugar mill located on U.S. Highway 98 in Bryant, Palm Beach County, Florida. The amendment would authorize the burning of soils contaminated with "virgin" fuels (No. 2 and No. 6 fuel oil) and "on-spec" used oils (lubricants).

C. Emissions

Each boiler is currently permitted to burn bagasse and fuel oils. The allowable particulate matter emissions are 0.30 lbs/MMBtu for bagasse, and 0.10 lbs/MMBtu for fuel oil. The permittee has stated that the emissions from the scrubbers controlling these boilers will meet the permitted standards when the boilers are treating contaminated soil.

II. Rule Applicability

The proposed project, burning contaminated soil in existing bagasse/fuel oil fired boilers, is subject to Chapter 403, Florida Statutes, and Chapter 17-2 Florida Administrative Code.

The sources are in an area designated nonattainment for ozone (F.A.C. Rule 17-2.410) and attainment for the other criteria pollutants (F.A.C. Rule 17-2.420).

The boilers are major sources because emissions exceed 100 TPY. The proposed project is not subject to preconstruction review because it will not result in an increase in emissions.

The sources will remain subject to the restrictions in their current permits.

III. Technical Evaluation

Fuel leaks and spills have contaminated some soils at U.S. Sugar Corporation's Bryant Mill. The contaminants are "virgin" No. 2 and No. 6 fuel oil and "on-spec" used oils from their own operation. The Department is not authorizing the boilers to burn contaminated soil from any other site. Presently, the permittee has accumulated approximately 6,000 cubic yards of contaminated soil. They anticipate generating 500 cubic yards of contaminated soil each year.

UP TO 10%

The boilers are allowed to burn bagasse, No. 2 and No. 6 fuel oils, and "on-spec" used oil. The bagasse contains dirt from the fields which is not entirely removed in the crushing process and thus passes through the boilers. The permittee is requesting permission to add contaminated soil to the bagasse at ~~approximately 2%~~ *feed rate* of the rate by weight of the bagasse fuel. The oils will be evaporated from the soil and burned in the boilers. The flue gases containing the products of combustion will pass through scrubbers before being exhausted to the atmosphere. The Department believes that the scrubbers will reduce the emissions to below the allowable limits in the permits for the boilers.

Chapter 17-775, F.A.C., requires the permittee to analyze the soil prior to treatment and prior to disposal to show that it is in compliance with the Bureau of Waste Cleanup regulations.

IV. Air Quality Analysis

As burning the contaminated soil in the boilers will not increase emissions, the ambient air impact of the sources will be unchanged.

V. Conclusion

Based on the information provided by U.S. Sugar Corporation, the Department has reasonable assurance that the proposed amendment to the existing permits for the bagasse/oil fired boilers at the Bryant Mill, as described in this evaluation, and subject to the conditions proposed herein, will not cause or contribute to a violation of any air quality standard, PSD increment, or any other technical provision of Chapter 17-2 of the Florida Administrative Code.

Barry D. Anshur
36024
12-20-90



Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

December 20, 1990

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. A. R. Mayo, Vice President
United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

DRAFT

Dear Mr. Mayo:

Re: Amendment of Permits

The Department is in receipt of Mr. Parker Thomson's November 12, 1990, letter requesting the permits for the bagasse/No. 6 oil fired boilers Nos. 1, 2, and 3 at your Bryant mill be amended to authorize the burning of soils from this mill's property that are contaminated with "virgin" fuels (No. 2 and No. 6 oils) and "on-spec" used oil (lubricants) in these boilers. This request is acceptable, with conditions. Permit numbers AO 50-116610/AC 50-2041A, Boiler No. 1; AO 50-116613/AC 50-2042A, Boiler No. 2; and AO 50-182890/AC 50-2043A, Boiler No. 3 are amended to authorize the burning of a total of ~~6,000~~ ^{6,500} cubic yards of petroleum ("virgin" fuels and "on-spec" used oils), contaminated soil ~~during the 1990-1991 season~~ and up to 500 cubic yards during future seasons. The soil must comply with Chapter 17-775, F.A.C. The boilers must comply with the permits (including emission limits for all pollutants), and Chapter 17-2, F.A.C., when burning the maximum amount of contaminated soil (estimated at ~~2%~~ of the bagasse feed rate) in the boilers. Annual compliance tests are to be conducted while burning soils. The permittee must keep records of the analysis and quantity of soil burned each season.

A copy of this letter must be filed with the referenced permits and shall become a part of those permits.

Sincerely,

STEVE SMALLWOOD, P.E.
Director
Division of Air Resources
Management

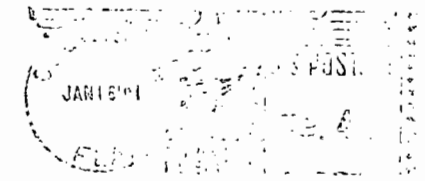
SS/WH/plm

Attachment: Mr. Parker Thomson's letter dated November 12, 1990.

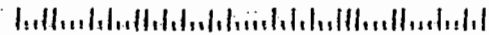
c: David Knowles, South Dist.
Parker Thomson, Attorney
Don Ehlenbeck, BWC
Jim Stormer, PBCIID

UNITED STATES SUGAR CORPORATION

Post Office Drawer 1207
Clewiston, Florida 33440



Mr. Willard Hanks
Division of Air Resources Management
Florida Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400



THOMSON MURARO BOHRER & RAZOOK, P.A.

ATTORNEYS AT LAW
1700 AMERIFIRST BUILDING
ONE SOUTHEAST THIRD AVENUE
MIAMI, FLORIDA 33131

TELEPHONE
(305) 350-7200
TELECOPIER
(305) 374-1005

PARKER D. THOMSON

January 11, 1991

RECEIVED
JAN 14 1991
DER-BAQM

Mr. Willard Hanks
Division of Air Resources Management
Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Amendment to Air Construction and Operating Permits for
Boilers at United States Sugar Corporation Clewiston
Mill

Dear Mr. Hanks:

We are hereby seeking amendments to the operating permits for Boilers #1, 2, 3, 5, and 6 at the Clewiston Mill of United States Sugar Corporation ("USSC"). These operating permits bear ##AO26182886, AO26186289, AO26116616, AO26147105 and AO26123705. To facilitate your review of this request we enclose copies of these five operating permits, together with construction permits for each of these boilers.

These boilers presently are licensed to burn Diesel #6 (Bunker C) and/or bagasse. In addition, in accordance with the FDER's general directive dated January 5, 1987, USSC recycles "on-specification" used oil in these industrial boilers. The requested amendment is the burning of soils impacted with "on-specification" used oil in these boilers under the circumstances and subject to the limitations specified in this letter.

USSC has performed initial remedial actions consisting of removal of soils at the Clewiston Mill impacted with diesel and lubricating oils. These impacted soils (being approximately 86% diesel-impacted, and 14% lubricating oil-impacted and totalling approximately 1200 cubic yards) are presently staged at the Clewiston Mill on top of a visqueen base, and covered with visqueen.

Certain soils in the Clewiston Mill area (including the railroad yard) became impacted with diesel and lubricating oils. Our consultants, ERM-South, have concluded that these impacted soils are available for on-site thermal treatment in Boilers #1, 2, 3, 5, and 6 at the Clewiston Mill. According to laboratory analyses performed on excavated soils in January and June 1990, the criteria specified for total arsenic, cadmium, chromium, lead, and

BEST AVAILABLE COPY

FEDERAL EXPRESS

QUESTIONS? CALL 800-238-5355 TOLL FREE

AIRBILL PACKAGE TRACKING NUMBER

8217210271

8217210271

RECIPIENT'S COPY

Date: 1/11/91

From (Your Name) Please Print: Parker D. Thomson
 Your Phone Number (Very Important): 305-350-7200
 To (Recipient's Name) Please Print: Willard Hanks
 Recipient's Phone Number (Very Important): 904-488-1500

Company: THOMSON MURARD ET AL
 Department/Floor No.:
 Street Address: ONE SE 3RD AVE STE 1700
 City: MIAMI State: FL ZIP Required: 33131

Company: Div. of Air Resources Management
 Department/Floor No.:
 Exact Street Address (We Cannot Deliver to P.O. Boxes or P.O. Zip Codes):
 2600 Blair Stone Road, Room 339
 City: Tallahassee State: FL ZIP Required: 32309-2400

YOUR INTERNAL BILLING REFERENCE INFORMATION (First 24 characters will appear on invoice): 306.020

IF HOLD FOR PICK-UP, Print FEDEX Address Here: Street Address: City: State: ZIP Required:

PAYMENT: Bill Sender Bill Recipient's FedEx Acct. No. Bill 3rd Party FedEx Acct. No. Bill Credit Card

Cash Check

SERVICES (Check only one box)		DELIVERY AND SPECIAL HANDLING (Check services required)	PACKAGES	WEIGHT In Pounds Only	YOUR DECLARED VALUE	Emp. No.	Date	Federal Express Use	
<input type="checkbox"/> Priority Overnight Service (Delivery by next business morning) <input type="checkbox"/> YOUR PACKAGING 51 <input type="checkbox"/> FEDEX LETTER 56 <input checked="" type="checkbox"/> FEDEX PAK 52 <input type="checkbox"/> FEDEX BOX 53 <input type="checkbox"/> FEDEX TUBE 54 <input type="checkbox"/> Economy Distribution Service (formerly Standard Air) (Delivery by second business day) <input type="checkbox"/> ECONOMY DIST. SVC. 80 <input type="checkbox"/> Standard Overnight Service (Delivery by next business afternoon) <input type="checkbox"/> FEDEX LETTER 56 <input type="checkbox"/> FEDEX PAK 52 <input type="checkbox"/> FEDEX BOX 53 <input type="checkbox"/> FEDEX TUBE 54 <input type="checkbox"/> Heavyweight Service (for Extra Large or any package over 150 lbs.) <input type="checkbox"/> HEAVYWEIGHT 70 <input type="checkbox"/> DEFERRED HEAVYWEIGHT 80 <input type="checkbox"/> HOLIDAY DELIVERY (if offered) (Extra charge) 12	<input type="checkbox"/> HOLD FOR PICK-UP (fill in Box #) <input checked="" type="checkbox"/> DELIVER WEEKDAY <input type="checkbox"/> DELIVER SATURDAY (Extra charge) (Not available to all locations) <input type="checkbox"/> DANGEROUS GOODS (Extra charge) <input type="checkbox"/> DRY ICE lbs. <input type="checkbox"/> OTHER SPECIAL SERVICE <input type="checkbox"/> SATURDAY PICK-UP (Extra charge) <input type="checkbox"/> DEFERRED DELIVERY	Total: Total: Total: DIM SHIPMENT (Chargeable Weight) <input type="checkbox"/> lbs. Received At: <input type="checkbox"/> Regular Stop <input type="checkbox"/> Drop Box <input type="checkbox"/> B.S.C. <input type="checkbox"/> Station <input type="checkbox"/> On-Call Stop						<input type="checkbox"/> Cash Received <input type="checkbox"/> Return Shipment <input type="checkbox"/> Third Party <input type="checkbox"/> Chg. To Del. <input type="checkbox"/> Chg. To Hold Street Address City State Zip Received By: <input checked="" type="checkbox"/> X Date/Time Received FedEx Employee Number Release Signature: _____ Date/Time	Base Charges Declared Value Charge Other 1 Other 2 Total Charges REVISION DATE 4/90 PART #119500 EXEM 7/90 FORMAT #027 027 © 1990 F.E.C. PRINTED IN U.S.A.

Mr. Willard Hanks
January 11, 1991
Page 2

EPA Method 601 and 602 organics in Chapter 17-775, Florida Administrative Code, Soil Thermal Treatment Facilities (Proposed) have been met. Based on the low levels of total organics and metals found, and knowledge of the materials used at the site, it is not reasonable to expect that the soils are a hazardous waste according to criteria set forth in Chapter 17-730, Florida Administrative Code and 40 CFR §261, Appendix II. A tabular summary of the soils data is Attachment 1A and the test data underlying this summary is Attachment 1B.

Non-impacted soils are routinely being burned in the boilers because when sugar cane is brought to the mill for processing, a substantial amount of soil comes with it. Although most of this soil is removed during the milling process, a certain amount of soil still passes with the bagasse into the boilers. It is removed with the ash after firing of the bagasse in the boilers, and passes to the ash ponds.

It is the intention of USSC to place the impacted soils on the bagasse conveyors in an orderly way so as to dispose of the impacted soils as quickly as feasible without reducing boiler efficiency or exceeding emission standards. In that the bagasse conveyors already convey soil into the boilers, it is estimated that the additional soils will only increase the soil content of the bagasse from about 1% of average bagasse throughput to about 2-10% of average bagasse throughput during the period of disposition of these soils.

Data as to the characteristics of the boilers to be utilized for the thermal treatment of the impacted soils are set forth in Attachment 2.

Because of the soils analysis set forth in Attachment 1A, the small amount of soils throughput contemplated, and allowable quantities of bagasse to be burned, USSC and our consultants, ERM-South, conclude that the additional soils throughput would cause no violation of current permit emissions limits and would result in an ash which would fully meet clean fill criteria as specified in Chapter 17-775, Florida Administrative Code.

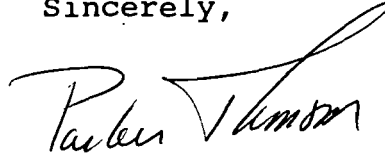
USSC desires permit amendments to provide for thermal treatment of approximately 1200 cubic yards of impacted soils during the 1990-1 processing season and no more than 500 cubic yards in each subsequent processing season. The requested permit amendments contemplate that only soils impacted on USSC property will be thermally treated and, in no event, will USSC thermally treat soils from outside parties.

THOMSON MURARO BOHRER & RAZOOK, P.A.

Mr. Willard Hanks
January 11, 1991
Page 3

We anticipate being ready to implement soil treatment as soon as approval of the requested permit amendments are received, and expect that all soils can be processed within the milling season. We therefore request maximum possible expedition of review of the requested permit amendments and approval thereof at the earliest possible time.

Sincerely,

A handwritten signature in cursive script, appearing to read "Parker Thomson". The signature is written in dark ink and is positioned to the right of the word "Sincerely,".

PDT/mpm
Enclosures

Don Allenbach, BWC
David Krouder, SFI Q&A

ATTACHMENT 1-A
SUMMARY OF SOILS DATA
U.S. SUGAR CORPORATION
CLEWISTON MILL

PARAMETER	LEVEL (ppm)
Thermal Treatment Characteristics:	
TRPH	≤19,000 226
Arsenic	≤8.5
Chromium	≤11
Lead	≤58
Cadmium	≤0.68
EPA 601 Organics	Not Detected
EPA 602 Organics	≤0.31

ATTACHMENT 1-B

LABORATORY TEST DATA for EXCAVATED SOILS AT CLEWISTON MILL

Item 1: Savannah Laboratories Data, 2 pages, consisting of:

- Sample RR-C (a composite soil sample collected from a minimum of 10 different locations from the railroad yard spoils pile)

Item 2: Savannah Laboratory Data, 3 pages, consisting of the following in-situ soil samples from the railroad yard:

- Sample CA (a vertical soil composite from ground surface to 4' at boring CC-6, located south of the locomotive shack)
- Sample CB (a vertical soil composite from ground surface to 3' at boring CC-5, located southwest of the locomotive shack)
- Sample CC (a vertical soil composite from 3' to 5' at boring CC-5, located southwest of the locomotive shack)
- Sample CD (a vertical soil composite from ground surface to 3' at boring CC-8, located south of the locomotive shack)
- Sample CE (a vertical soil composite from 3' to 4' at boring CC-8, located south of the locomotive shack)
- Sample CF (a vertical soil composite from ground surface to 2' at boring CC-2, along the south wall of the locomotive shack)
- Sample CG (a vertical soil composite from 2' to 6' at boring CC-2, along the south wall of the locomotive shack)
- Sample CH (a vertical soil composite from ground surface to 3' at boring CC-7, located west of the locomotive shack)
- Sample CI (a vertical soil composite from 3' to 6' at boring CC-7, located west of the locomotive shack)
- Sample CJ (a vertical soil composite from ground surface to 3' at boring CC-4, located east of the locomotive shack)

- Sample CK (a vertical soil composite from 3' to 5' at boring CC-4, located east of the locomotive shack)
- Sample CL (a vertical soil composite from ground surface to 3' at boring CC-3, located south of the locomotive shack)
- Sample CM (a vertical soil composite from 3' to 4' at boring CC-3, located south of the locomotive shack)

James W. Andrews, Ph.D.
President

Janette Davis Long
Vice-President

**SAVANNAH LABORATORIES
AND ENVIRONMENTAL SERVICES, INC.**

5102 LaRoche Avenue (31404)
P. O. Box 13548 • Savannah, GA 31416-0548
(912) 354-7858



LOG NO: S0-03102

Received: 07 JAN 90

Mr. Wayne Wragg
ERM-South, Inc.
2858 Northwest 79th Avenue
Miami, FL 33122-0133

Project: 53622.04 Clewiston

REPORT OF ANALYTICAL RESULTS

Page 16

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY
03102-18	RR-C (01.04.90)	Client
PARAMETER	03102-18	
Purgeables (601 & 602)		
Bromodichloromethane, ug/kg dw	<5.3	
Bromoform, ug/kg dw	<5.3	
Bromomethane, ug/kg dw	<5.3	
Carbon Tetrachloride, ug/kg dw	<5.3	
Chlorobenzene, ug/kg dw	<5.3	
Chloroethane, ug/kg dw	<5.3	
2-Chloroethylvinyl Ether, ug/kg dw	<5.3	
Chloroform, ug/kg dw	<5.3	
Chloromethane, ug/kg dw	<5.3	
Dibromochloromethane, ug/kg dw	<5.3	
1,2-Dichlorobenzene, ug/kg dw	<5.3	
1,3-Dichlorobenzene, ug/kg dw	<5.3	
1,4-Dichlorobenzene, ug/kg dw	<5.3	
Dichlorodifluoromethane, ug/kg dw	<5.3	
1,1-Dichloroethane, ug/kg dw	<5.3	
1,2-Dichloroethane, ug/kg dw	<5.3	
1,1-Dichloroethene, ug/kg dw	<5.3	
trans-1,2-Dichloroethylene, ug/kg dw	<5.3	
1,2-Dichloropropane, ug/kg dw	<5.3	
Cis-1,3-Dichloropropene, ug/kg dw	<5.3	
Trans-1,3-Dichloropropene, ug/kg dw	<5.3	
Methylene Chloride, ug/kg dw	<5.3	

James W. Andrews, Ph.D.
President

Janette Davis Long
Vice-President

**SAVANNAH LABORATORIES
AND ENVIRONMENTAL SERVICES, INC.**

5102 LaRoche Avenue (31404)
P. O. Box 13548 • Savannah, GA 31416-0548
(912) 354-7858



LOG NO: S0-03102

Received: 07 JAN 90

Mr. Wayne Wragg
ERM-South, Inc.
2858 Northwest 79th Avenue
Miami, FL 33122-0133

Project: 53622.04 Clewiston

REPORT OF ANALYTICAL RESULTS

Page 17

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY
03102-18	RR-C (01.04.90)	Client
PARAMETER	03102-18	
1,1,2,2-Tetrachloroethane, ug/kg dw	<5.3	
Tetrachloroethylene, ug/kg dw	<5.3	
1,1,1-Trichloroethane, ug/kg dw	<5.3	
1,1,2-Trichloroethane, ug/kg dw	<5.3	
Trichloroethene, ug/kg dw	<5.3	
Trichlorofluoromethane, ug/kg dw	<5.3	
Vinyl Chloride, ug/kg dw	<5.3	
Benzene, ug/kg dw	<5.3	
Ethylbenzene, ug/kg dw	<5.3	
Toluene, ug/kg dw	50	
Xylenes, ug/kg dw	260	
Arsenic, mg/kg dw	8.5	
Cadmium, mg/kg dw	0.68	
Chromium, mg/kg dw	11	
Lead, mg/kg dw	58	
Ignitability-flash point, Degrees F	**	

LOG NO: 00-02451

Received: 09 JUN 90

Mr. Jim Cowart
ERM-South, Inc.
2858 Northwest 79th Avenue
Miami, FL 33122-0133

Project: #53622.05

PARTIAL
REPORT OF RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY				
02451-1	CA (06.06.90)	Client				
02451-2	CB (06.06.90)					
02451-3	CC (06.06.90)					
02451-4	CD (06.06.90)					
02451-5	CE (06.06.90)					
PARAMETER	02451-1	02451-2	02451-3	02451-4	02451-5	
Purgeable Aromatics (602)						
Benzene, ug/kg dw	<5.0	<5.0	<5.0	<5.0	<5.0	
Chlorobenzene, ug/kg dw	<5.0	<5.0	<5.0	<5.0	<5.0	
1,2-Dichlorobenzene, ug/kg dw	<5.0	<5.0	<5.0	<5.0	<5.0	
1,3-Dichlorobenzene, ug/kg dw	<5.0	<5.0	<5.0	<5.0	<5.0	
1,4-Dichlorobenzene, ug/kg dw	<5.0	<5.0	<5.0	<5.0	<5.0	
Ethylbenzene, ug/kg dw	<5.0	<5.0	<5.0	<5.0	<5.0	
Toluene, ug/kg dw	<5.0	<5.0	<5.0	<5.0	<5.0	
Xylenes, ug/kg dw	<5.0	<5.0	<5.0	<5.0	<5.0	
Methyl-Tert-Butyl-Ether (MTBE), ug/kg dw	<50	<50	<50	<50	<50	
Petroleum Hydrocarbons (418.1), mg/kg dw	30	23	<10	<10	19	
Percent Solids, %	84	91	87	88	69	

LOG NO: 00-02451

Received: 09 JUN 90

Mr. Jim Cowart
 ERM-South, Inc.
 2858 Northwest 79th Avenue
 Miami, FL 33122-0133

Project: #53622.05

PARTIAL
 REPORT OF RESULTS

Page 2

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY				
02451-6	CF (06.06.90)	Client				
02451-7	CG (06.06.90)					
02451-8	CH (06.06.90)					
02451-9	CI (06.06.90)					
02451-10	CJ (06.06.90)					
PARAMETER	02451-6	02451-7	02451-8	02451-9	02451-10	
Purgeable Aromatics (602)						
Benzene, ug/kg dw	45	<25	<5.0	<5.0	<5.0	
Chlorobenzene, ug/kg dw	<25	<25	<5.0	<5.0	<5.0	
1,2-Dichlorobenzene, ug/kg dw	<25	<25	<5.0	<5.0	<5.0	
1,3-Dichlorobenzene, ug/kg dw	<25	<25	<5.0	<5.0	<5.0	
1,4-Dichlorobenzene, ug/kg dw	<25	<25	<5.0	<5.0	<5.0	
Ethylbenzene, ug/kg dw	910	500	<5.0	<5.0	<5.0	
Toluene, ug/kg dw	<25	<25	<5.0	<5.0	<5.0	
Xylenes, ug/kg dw	1800	410	<5.0	<5.0	<5.0	
Methyl-Tert-Butyl-Ether (MTBE), ug/kg dw	<250	<250	<50	<50	<50	
Petroleum Hydrocarbons (418.1), mg/kg dw	19000	72	21	<10	18	
Percent Solids, %	89	85	88	86	89	

LOG NO: 00-02451

Received: 09 JUN 90

Mr. Jim Cowart
ERM-South, Inc.
2858 Northwest 79th Avenue
Miami, FL 33122-0133

Project: #53622.05

PARTIAL
REPORT OF RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY		
02451-11	CK (06.06.90)	Client		
02451-12	CL (06.06.90)			
02451-13	CM (06.06.90)			
PARAMETER		02451-11	02451-12	02451-13
Purgeable Aromatics (602)				
Benzene, ug/kg dw		<5.0	<50	<25
Chlorobenzene, ug/kg dw		<5.0	<50	<25
1,2-Dichlorobenzene, ug/kg dw		<5.0	<50	<25
1,3-Dichlorobenzene, ug/kg dw		<5.0	<50	<25
1,4-Dichlorobenzene, ug/kg dw		<5.0	<50	<25
Ethylbenzene, ug/kg dw		<5.0	1100	170
Toluene, ug/kg dw		<5.0	<50	<25
Xylenes, ug/kg dw		<5.0	1200	130
Methyl-Tert-Butyl-Ether (MTBE), ug/kg dw		<50	<500	<250
Petroleum Hydrocarbons (418.1), mg/kg dw		<10	19000	8200
Percent Solids, %		82	92	85

ATTACHMENT 2
PERMIT SUMMARY
U.S. SUGAR BOILERS
Clewiston Mill

BOILER NUMBER	OPERATING PERMIT NUMBER	STEAM PRODUCTION (lbs/hr ave)	HEAT INPUT (mmBTU/hr max)	BAGASSE USAGE (tons/hr ave)	DIESEL #6 USAGE (gal/hr ave)	PARTICULATE STANDARD (lbs/mmbtu)
#1	A026182886	235,000	496 (Bagasse) 65 (Diesel #6)	58.6	42.0	0.25 (Bagasse) 0.10 (Fuel Oil)
#2	A026186289	235,000	496 (Bagasse) 65 (Diesel #6)	58.6	42.0	0.25 (Bagasse) 0.10 (Fuel Oil)
#3	A026116616	100,000	270 (Bagasse) 55 (Diesel)	35	7.2	0.30 (Bagasse) 0.10 (Fuel Oil)
#5	A026147105	70,000	140.1 (Bagasse)	16.0	N/A	0.30 (Bagasse)
#6	A026123705	70,000	144 (Bagasse)	20	N/A	0.30 (Bagasse)

Memorandum

**Florida Department of
Environmental Protection**

To: Clair Fancy
Through: Al Linero
From: Willard Hanks *wmh*
Date: February 15, 1995
Subject: Construction Permit Extension
Sunbelt Resources, Inc.

I request that the denial of the extension of Sunbelt's construction permit (to allow them to repeat the compliance tests) be reconsidered.

The application for permit to operate Sunbelt was submitted to the Bureau of Air Regulation on June 30, 1994. The compliance tests report by an Alabama firm (which showed compliance with the permit/rule) was not acceptable to the monitoring section. Sunbelt has submitted information requested by the Department on the tests but the report remains unacceptable. I told Sunbelt they could operate in Florida but would have to repeat the compliance tests unless their application for permit to operate was denied. I have been holding the application incomplete until the testing issues were resolved. This was acceptable to them. They requested the construction permit be extended to give them time to repeat these tests.

I was told that the extension could not be approved because the September 9 guidance memorandum didn't allow an expired construction permit to be extended. Note that this memo was signed 8 days after Sunbelt's construction permit had expired and that Sunbelt has submitted an application for permit to operate over 60 days prior to its expiration.

I believe these circumstances justify reconsideration of the denial of the permit extension.

CF/WH/h

Clair - I think we ought to let this one go. It is not exactly for Willard's reasons here. More specifically:

- He told them they could operate once they had their operating permit application in.
- I think we could have accepted their tests. They used EPA 5 + EPA 9. Unfortunately they described them "as adopted and modified by Alabama". It's a small issue.

Willard - This came back from Clair. Hold this until we see if Howard signed what we sent later to Howard Rhodes.

al

BEST AVAILABLE COPY

UNITED STATES SUGAR CORPORATION

Post Office Drawer 1207 Clewiston, Florida 33440
Telephone: (813) 983-8121

January 16, 1991

Mr. Willard Hanks
Division of Air Resources Management
Florida Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

RE: Amendments to Air Construction and Operating Permits for
Boilers at United States Sugar Corporation, Bryant Mill

Dear Mr. Hanks:

As you and I discussed on January 14, 1991, U. S. Sugar would like to request certain minor changes made to the Amendments of Permits Evaluation and to the letter dated December 20, 1990 from Mr. Steve Smallwood, Director of your Division. I have attached copies of both of these documents with the changes that we would like to see.

In our original meeting in early November, we had calculated that burning the soils at a throughput rate equal to 2% of the bagasse feed rate that we could burn all soils at a steady rate over the remaining crop days. Since we will not have approval until at least January 17, 1991, we cannot burn all of the soils at a 2% steady rate during this crop. Therefore, we are asking to have the soil throughput rate increased up to 10% of the bagasse feed rate. This new rate meets our original objective of burning all the soils at a steady rate over the crop days remaining after permission is granted. Both United States Sugar Corporation and our consultants, ERM-South, Inc. believe this would cause no violation of current emission limits and would result in an ash which would fully meet clean fill criteria as specified in Chapter 17-775, Florida Administrative Code.

The second change relates to the volume of soils to be burned. We are requesting that the 6,000 cubic yards currently on site, plus the additional 500 cubic yards which will be permitted for the following season, be combined to allow us to have the entire amount burned by the end of the 1991-92 season (approximately April 1, 1992). This second change merely allows us to burn next crop any soil remaining out of the 6,000 cubic yards which we cannot physically burn by the end of this crop due to unforeseen circumstances such as mechanical breakdown.

Mr. Willard Hanks
January 16, 1991
Page Two

As we discussed, time is of the essence and we would greatly appreciate a timely response from you on this matter. Please feel free to contact me at (813) 983-8121, ext. 2105 with any questions or comments that you may have.

Sincerely,



M. S. Wade, Jr.
Vice President,
Administrative Services

MSW/mm
Attachments

cc: Mr. Alan Mayo
Mr. Parker Thomson

Amendment of Permits Evaluation

United States Sugar Corporation
Palm Beach, County
Bryant, Florida

<u>Sources</u>	<u>Permit Numbers</u>
Boiler No. 1	AO 50-116610/AC 50-2041A
Boiler No. 2	AO 50-116613/AC 50-2042A
Boiler No. 3	AO 50-182890/AC 50-2043A

Department of Environmental Regulation
Division of Air Resources Management
Bureau of Air Regulation

December 19, 1990



Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Swachmann, Secretary

John Shearer, Assistant Secretary

December 20, 1990

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. A. R. Mayo, Vice President
United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

DRAFT

Dear Mr. Mayo:

Re: Amendment of Permits

The Department is in receipt of Mr. Parker Thomson's November 12, 1990, letter requesting the permits for the bagasse/No. 6 oil fired boilers Nos. 1, 2, and 3 at your Bryant mill be amended to authorize the burning of soils from this mill's property that are contaminated with "virgin" fuels (No. 2 and No. 6 oils) and "on-spec" used oil (lubricants) in these boilers. This request is acceptable, with conditions. Permit numbers AO 50-116610/AC 50-2041A, Boiler No. 1; AO 50-116613/AC 50-2042A, Boiler No. 2; and AO 50-182890/AC 50-2043A, Boiler No. 3 are amended to authorize the burning of a total of ~~5,000~~^{6,500} cubic yards of petroleum ("virgin" fuels and "on-spec" used oils), contaminated soil ~~during the 1991-1992 season~~ and up to 500 cubic yards during future seasons. The soil must comply with Chapter 17-775, F.A.C. The boilers must comply with the permits (including emission limits for all pollutants), and Chapter 17-2, F.A.C., when burning the maximum amount of contaminated soil (estimated at ~~1%~~ of the bagasse feed rate) in the boilers. Annual compliance tests are to be conducted while burning soils. The permittee must keep records of the analysis and quantity of soil burned each season.

by the end of the 1991-1992 SEASON

up to 10%

A copy of this letter must be filed with the referenced permits and shall become a part of those permits.

Sincerely,

STEVE SMALLWOOD, P.E.
Director
Division of Air Resources
Management

SS/WH/plm

Attachment: Mr. Parker Thomson's letter dated November 12, 1990.

c: David Knowles, South Dist.
Parker Thomson, Attorney
Don Ehlenbeck, BWC
Jim Stormer, PBCIID



I. General Information

A. Permittee

United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

B. Request

On November 12, 1990, the attorney for the permittee submitted a written request to amend the permits for bagasse/oil fired boilers Nos. 1, 2, and 3 at the sugar mill located on U.S. Highway 98 in Bryant, Palm Beach County, Florida. The amendment would authorize the burning of soils contaminated with "virgin" fuels (No. 2 and No. 6 fuel oil) and "on-spec" used oils (lubricants).

C. Emissions

Each boiler is currently permitted to burn bagasse and fuel oils. The allowable particulate matter emissions are 0.30 lbs/MMBtu for bagasse, and 0.10 lbs/MMBtu for fuel oil. The permittee has stated that the emissions from the scrubbers controlling these boilers will meet the permitted standards when the boilers are treating contaminated soil.

II. Rule Applicability

The proposed project, burning contaminated soil in existing bagasse/fuel oil fired boilers, is subject to Chapter 403, Florida Statutes, and Chapter 17-2 Florida Administrative Code.

The sources are in an area designated nonattainment for ozone (F.A.C. Rule 17-2.410) and attainment for the other criteria pollutants (F.A.C. Rule 17-2.420).

The boilers are major sources because emissions exceed 100 TPY. The proposed project is not subject to preconstruction review because it will not result in an increase in emissions.

The sources will remain subject to the restrictions in their current permits.

III. Technical Evaluation

Fuel leaks and spills have contaminated some soils at U.S. Sugar Corporation's Bryant Mill. The contaminants are "virgin" No. 2 and No. 6 fuel oil and "on-spec" used oils from their own operation. The Department is not authorizing the boilers to burn contaminated soil from any other site. Presently, the permittee has accumulated approximately 6,000 cubic yards of contaminated soil. They anticipate generating 500 cubic yards of contaminated soil each year.

UP to 10%

feet rate

The boilers are allowed to burn bagasse, No. 2 and No. 6 fuel oils, and "on-spec" used oil. The bagasse contains dirt from the fields which is not entirely removed in the crushing process and thus passes through the boilers. The permittee is requesting permission to add contaminated soil to the bagasse at ~~_____~~ of the rate by weight of the bagasse fuel. The oils will be evaporated with the soil and burned in the boilers. The flue gases containing the products of combustion will pass through scrubbers before being exhausted to the atmosphere. The Department believes that the scrubbers will reduce the emissions to below the allowable limits in the permits for the boilers.

Chapter 17-775, F.A.C., requires the permittee to analyze the soil prior to treatment and prior to disposal to show that it is in compliance with the Bureau of Waste Cleanup regulations.

IV. Air Quality Analysis

As burning the contaminated soil in the boilers will not increase emissions, the ambient air impact the sources will be unchanged.

V. Conclusion

Based on the information provided by U.S. Steel Corporation, the Department has reasonable assurance that proposed amendment to the existing permits for the bagasse fired boilers at the Bryant Mill, as described in the evaluation, and subject to the conditions proposed herein, will not cause or contribute to a violation of any air quality standard, PSD increment, or any other technical provision of Chapter 17-2 of the Florida Administrative Code.

Barry D. Andrews
36024
12-20-90

66

Final
To
BA
11-27

November 2⁸, 1990

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. A. R. Mayo, Vice President
United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

Dear Mr. Mayo:

Attached is one copy of the Department's evaluation of your request to amend the permits for boilers Nos. 1, 2, and 3 at the Bryant Mill.

Note that you are required to publish a Notice of Intent to Issue and the Department will be required to consider any public comments submitted in response to this notice prior to amending these permits. Also, you will have to comply with the Bureau of Waste Cleanup regulations (Rule 17-775, F.A.C.) when treating contaminated soil.

Please submit any written comments you wish to have considered concerning the Department's proposed action to Mr. Barry Andrews of the Bureau of Air Regulation.

Sincerely,

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

CHF/WH/plm

Attachments

- c: David Knowles, South Dist.
- Parker Thomson, Attorney
- Don Ehlenbeck, BWC
- Gene Sacco, PBCHØ

D

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

AO 50-116610/AC 50-2041A
AO 50-116613/AC 50-2042A
AO 50-182890/AC 50-2043A

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its intent to issue an amendment (copy attached) to the referenced permits as detailed in the file specified above. The Department is issuing this Intent to Issue for the reasons stated in the attached Amendment of Permits Evaluations.

The permittee, United States Sugar Corporation, requested on November 12, 1990, that the Department of Environmental Regulation amend the current permits for the bagasse/oil fired boilers Nos. 1, 2, and 3 at their sugar mill located on U.S. Route 98, Bryant, Palm Beach County, Florida, to allow soils contaminated with "virgin" fuels (No. 2 and No. 6 oil) and "on-spec" used oil (lubricants) to be burned with the normal fuels in these boilers.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 17-2 and 17-4. The project is not exempt from permitting procedures. The Department has determined that air construction permits ^{amendments} are required for the proposed work.

Pursuant to Section 403.815, F.S. and DER Rule 17-103.150, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue, ~~Permits~~. The notice shall be published one time only within 30 days, in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "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. The applicant shall provide proof of publication to the Department, at the address specified within seven days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permits.

The Department will issue the permits, ^{amendments} with the attached conditions unless a petition for an administrative proceeding (hearing) is filed pursuant to the provisions of Section 120.57, F.S.

person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

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

Copies furnished to:

David Knowles, South Dist.
Parker Thomson, Attorney
Don Ehlenbeck, BWC
Gene Sacco, PBCHØ

D

Amendment of Permits Evaluation

United States Sugar Corporation
Palm Beach, County
Bryant, Florida

<u>Sources</u>	<u>Permit Numbers</u>
Boiler No. 1	AO 50-116610/AC 50-2041A
Boiler No. 2	AO 50-116613/AC 50-2042A
Boiler No. 3	AO 50-182890/AC 50-2043A

Department of Environmental Regulation
Division of Air Resources Management
Bureau of Air Regulation

November 2⁸~~7~~, 1990

68

I. General Information

A. Permittee

United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

B. Request

On November 12, 1990, the attorney for the permittee submitted a written request to amend the permits for bagasse/oil fired boilers Nos. 1, 2, and 3 at the sugar mill located on U.S. Highway 98 in Bryant, Palm Beach County, Florida. The amendment would authorize the burning of soils contaminated with "virgin" fuels (No. 2 and No. 6 fuel oil) and "on-spec"^{used} oils (lubricants).

C. Emissions

Each boiler is currently permitted to burn bagasse and fuel oils. The allowable particulate matter emissions are ~~30% (40% opacity for 2 minutes per hour)~~^{opacity}, 0.30 lbs/MMBtu for bagasse, and 0.10 lbs/MMBtu for fuel oil. The permittee has stated that the emissions from the scrubbers controlling these boilers will meet the permitted standards when the boilers are treating contaminated soil.

II. Rule Applicability

The proposed project, burning contaminated soil in existing bagasse/fuel oil fired boilers, is subject to Chapter 403, Florida Statutes, and Chapter 17-2 Florida Administrative Code.

The sources are in an area designated nonattainment for ozone (F.A.C. Rule 17-2.410) and attainment for the other criteria pollutants (F.A.C. Rule 17-2.420).

The boilers are major sources because emissions exceed 100 TPY. The proposed project is not subject to preconstruction review because it will not result in an increase in emissions.

The sources will remain subject to the restrictions in their current permits.

III. Technical Evaluation

Fuel leaks and spills have contaminated some soils at U.S. Sugar Corporation's Bryant Mill. The contaminants are "virgin" No. 2 and No. 6 fuel oil and "on-spec" used oils from their own operation. The Department is not authorizing the boilers to burn contaminated soil from any other site. Presently, the permittee has accumulated approximately 6,000 cubic yards of contaminated soil. They anticipate generating 500 cubic yards of contaminated soil each year.

The boilers are allowed to burn bagasse, No. 2 and No. 6 fuel oils, and "on-spec" used oil. The bagasse contains dirt from the fields which is not entirely removed in the crushing

process and thus passes through the boilers. The permittee is requesting permission to add contaminated soil to the bagasse at approximately 2% of the rate by weight of the bagasse fuel. The oils will be evaporated from the soil and burned in the boilers. The flue gases containing the products of combustion will pass through scrubbers before being exhausted to the atmosphere. The Department believes that the scrubbers will reduce the emissions to below the allowable limits in the permits for the boilers.

Chapter 17-775, F.A.C., requires the permittee to analyze the soil prior to treatment and prior to disposal to show that it is in compliance with the Bureau of Waste Cleanup regulations.

IV. Air Quality Analysis

As burning the contaminated soil in the boilers will not increase emissions, the ambient air impact of the sources will be unchanged.

V. Conclusion

Based on the information provided by U.S. Sugar Corporation, the Department has reasonable assurance that the proposed amendment to the existing permits for the bagasse/oil fired boilers at the Bryant Mill, as described in this evaluation, and subject to the conditions proposed herein, will not cause or contribute to a violation of any air quality standard, PSD increment, or any other technical provision of Chapter 17-2 of the Florida Administrative Code.

November 26th 1990

69

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. A. R. Mayo, Vice President
United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

Dear Mr. Mayo:

Re: Amendment of Permits

The Department is in receipt of Mr. Parker Thomson's November 12, 1990, letter requesting the permits for the bagasse/No. 6 oil fired boilers Nos. 1, 2, and 3 at your Bryant mill be amended to authorize the burning of soils from this mill's property that are contaminated with "virgin" fuels (No. 2 and No. 6 oils) and "on-spec" used oil (lubricants) in these boilers. This request is acceptable, with conditions. Permit numbers AO 50-116610/AC 50-2041A, Boiler No. 1; AO 50-116613/AC 50-2042A, Boiler No. 2; and AO 50-182890/AC 50-2043A, Boiler No. 3 are amended to authorize the burning of a total of 6,000 cubic yards of petroleum ("virgin" fuels and "on-spec" used oils), which comply with ~~Chapter 17-775, F.A.C.~~ contaminated soil during the 1990-1991 season and up to 500 cubic yards during future seasons. ^{The soil must comply with Chapter 17-775, F.A.C.} The boilers must comply with the permits (including emission limits for all pollutants) ^{and} Chapters 17-2, ^{F.A.C.} and ~~17-775, F.A.C.~~ when burning the maximum amount of contaminated soil (estimated at 2% of the bagasse feed rate) in the boilers.

Vertical handwritten note on the right margin, partially obscured by a scribble.

Annual compliance tests are to be conducted while burning soils. The permittee must keep records of the analysis and quantity of soil burned each season.

A copy of this letter must be filed with the referenced permits and shall become a part of those permits.

Sincerely,

STEVE SMALLWOOD, P.E.

Director

Division of Air Resources

Management

SS/WH/plm

Attachment: Mr. Parker Thomson's letter dated November 12, 1990.

c: David Knowles, South Dist.

Parker Thomson, Attorney

Don Ehlenbeck, BWC

Gene Sacco, PBCHD

TO: Steve Smallwood

FROM: Clair Fancy

DATE: November 28, 1990

SUBJ: Amendment of Permits to Operate U.S. Sugar Corp.,
Bryant Mill

Attached for your approval and signature is a letter that will amend the permits to ^{Construct/} operate three bagasse/oil fired boilers. ~~to~~ *The amendment will* authorize limited quantities of soil containing virgin petroleum fuels and "on-spec" used oil to be burned in the industrial boilers. The allowable emissions will not be exceeded when these boilers are processing the soil.

Prior to recommending approval of this amendment, the Department required a notice be published in a newspaper having circulation in the county the plant is located in.

I recommend your approval and signature.

Attachments

THOMSON MURARO BOHRER & RAZOOK, P.A.

ATTORNEYS AT LAW
1700 AMERIFIRST BUILDING
ONE SOUTHEAST THIRD AVENUE
MIAMI, FLORIDA 33131

TELEPHONE
(305) 350-7200
TELECOPIER
(305) 374-1005

PARKER D. THOMSON

November 15, 1990

BY FEDERAL EXPRESS

Mr. Willard Hanks
Division of Air Resources Management
Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

RECEIVED

NOV 16 1990

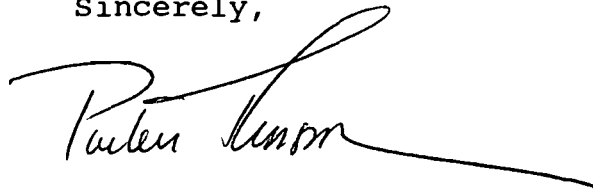
DER-BAQM

Amendment to Air Construction and Operating Permits for
Boilers at United States Sugar Corporation Bryant
Mill

Dear Mr. Hanks:

As stated in my letter of November 12, 1990, I am enclosing copies of the construction permits for Boilers #1, 2, and 3 at the Bryant Mill of United States Sugar Corporation ("USSC"). These construction permits bear #AC50-2041A, AC50-2042A and AC50-2043A.

Sincerely,



PDT/mpm
Enclosures

THOMSON MURARO BOHRER & RAZOOK, P.A.

ATTORNEYS AT LAW
1700 AMERIFIRST BUILDING
ONE SOUTHEAST THIRD AVENUE
MIAMI, FLORIDA 33131

TELEPHONE
(305) 350-7200
TELECOPIER
(305) 374-1005

November 12, 1990

RECEIVED

NOV 13 1990

DER-BAQM

Mr. Willard Hanks
Division of Air Resources Management
Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Amendment to Air Construction and Operating Permits for
Boilers at United States Sugar Corporation Bryant
Mill

Dear Mr. Hanks:

We appreciate and thank you and Mr. Andrews for meeting with us on short notice to discuss the matters set forth in this letter.

We are hereby seeking amendments to the operating permits for Boilers #1, 2, and 3 at the Bryant Mill of United States Sugar Corporation ("USSC"). These operating permits bear #A050-116610, A050-116613 and A050-182890. To facilitate your review of this request we enclose copies of these three operating permits. We are reviewing to see if the original construction permits for these boilers are still available.

These boilers presently are licensed to burn bagasse and Diesel #6 (Bunker C). In addition, in accordance with the FDER's general directive dated January 5, 1987, USSC recycles "on-specification" used oil in these industrial boilers. The requested amendment is the burning of soils impacted both with Diesel #6 (Bunker C) and "on-specification" used oil in these boilers under the circumstances and subject to the limitations specified in this letter.

USSC has performed initial remedial actions consisting of removal of soils at the Bryant Mill impacted with Diesel #6 (Bunker C) and diesel and lubricating oils. These impacted soils (being approximately 83% Diesel #6 (Bunker C), 6% diesel, and 11% lubricating oil totalling approximately 6000 cu.yds.) are presently

11/12/90 letter

Mr. Willard Hanks
November 12, 1990
Page 2

staged at the Bryant Mill on top of a visqueen base, and covered with visqueen. USSC has reviewed with the Fort Myers district office of FDER the documentation related to the remediation of all these soils and that office has concluded it is satisfied that all impacted soils have been adequately removed. The only remaining matter is the disposal of these impacted soils. The Fort Myers district office has advised USSC that it does not have any problem with USSC's proposed on-site thermal treatment of these soils, subject to your review of the issue.

Our consultants, ERM-South, had laboratory tests performed on the excavated soils. These tests demonstrate not only that the soils are in no way hazardous by characteristic according to testing requirements set forth in Chapter 17-730, Florida Administrative Code, Hazardous Waste, but also that the soils fully meet criteria specified in Chapter 17-775, Florida Administrative Code, Soil Thermal Treatment Facilities (Proposed) and criteria for recycling of used oils in industrial boilers in accordance with FDER directive dated January 5, 1987. A tabular summary of the soils data is Attachment 1A and the test data underlying this summary is Attachment 1B.

When the sugar cane is brought to the mill for processing, a substantial amount of soil comes with it. Although most of this soil is removed during the milling process, a significant amount of soil still passes with the bagasse into the boilers. It is removed with the ash after firing of the bagasse in the boilers, and passes to the ash ponds.

It is the intention of USSC to place the impacted soils on the bagasse conveyors in an orderly way so as to dispose of the impacted soils as quickly as feasible without reducing boiler efficiency or exceeding emission standards. In that the bagasse conveyors already convey soil into the boilers, it is estimated that the additional soils will only increase the soil content of the bagasse from about 1% of average bagasse throughput to about 2% of average bagasse throughput during the period of disposition of these soils.

Data as to the characteristics of the boilers to be utilized for the thermal treatment of the impacted soils are set forth in Attachment 2.

THOMSON MURARO BOHRER & RAZOOK, P.A.

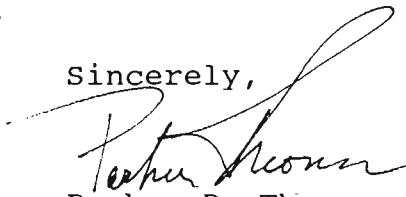
Mr. Willard Hanks
November 12, 1990
Page 3

Because of the small soils analysis set forth in Attachment 1A, the amount of soils throughput contemplated, and allowable quantities of bagasse to be burned, USSC and our consultants, ERM-South, conclude that the additional soils throughput would cause **no violation of current permit emissions limits and would result in an ash which would fully meet clean fill criteria as specified in Chapter 17-775, Florida Administrative Code.**

USSC desires permit amendments to provide for thermal treatment of approximately **6000 cu.yds.** of impacted soils during **the 1990-1 processing season** and no more than **500 cu.yds. in each subsequent processing season.** The requested permit amendments contemplate that **only soils impacted on USSC property** will be thermally treated and, in no event, will USSC thermally treat soils of outside parties.

We anticipate being ready to implement soil treatment as soon as approval of the requested permit amendments are received, and expect that all soils can be processed within the milling season. We therefore request expedition to the maximum possible extent of review of the requested permit amendments and approval thereof at the earliest possible time.

Sincerely,



Parker D. Thomson

PDT/mpm
Enclosures

ATTACHMENT 1-A

SUMMARY OF SOILS DATA
U.S. SUGAR CORPORATION

PARAMETER	LEVEL (ppm)
Hazardous Waste Characteristics:	
TCLP Volatiles	Not Detected
TCLP Metals	Not Detected
TCLP Semivolatiles	Not Detected
Pesticides	Not Detected
PCBs	Not Detected
Ignitability	None
Thermal Treatment Characteristics:	
Total Organic Halogens	<142 <small>TCLP TOTAL</small>
TRPH	<9,700 <small>S/SS</small>
Arsenic	<8.2 <small>S/SS</small>
Chromium	<5.1 <small>S/275</small>
Lead	<6.2 <small>S/77</small>
Cadmium	<0.025 <small>1/55</small>
TCLP Mercury	<0.002 <small>0.2/17</small>
TCLP Selenium	<0.5 <small>S/165</small>
TCLP Silver	<0.01 <small>S/165</small>
TCLP Barium	<0.26 <small>100/2750</small>
EPA 601 Organics	Not Detected
EPA 602 Organics	Not Detected

ATTACHMENT 1-B
LABORATORY TEST DATA
for
EXCAVATED SOILS AT BRYANT MILL

Item 1: Savannah Laboratories Data, pp. 1-5, consisting of:

- Sample SS-BC (a composite of 22 grab samples from approximately 4,980 cubic yards of Bunker C impacted soils)
- Sample SS-D (a composite of 5 grab samples from approximately 380 cubic yards of diesel impacted soils)
- Sample SS-L (a composite of 17 grab samples from approximately 640 cubic yards of lube oil impacted soils)

Item 2: ENCO Laboratory Data, 1 page, consisting of:

- (a composite of 54 grab samples from approximately 2,000 cubic yards of Bunker C, Diesel, and Lube Oil impacted soils)

Item 3: Spectrum Laboratory Data, 1 page, consisting of:

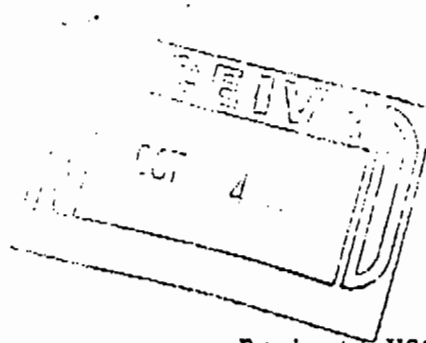
- Sample S#3/017/012698 (a vertical soil composite from ground surface to the ground water table in the Bunker "C" area)

SL SAVANNAH LABORATORIES

& ENVIRONMENTAL SERVICES, INC.

414 SW 12th Avenue • Deerfield Beach, Florida 33442 • (305) 421-7400 • Fax (305) 421-2584

Mr. Jim Cowart
ERM-South, Inc.
2858 Northwest 79th Avenue
Miami, FL 33122-0133



LOG NO: D0-02960

Received: 24 AUG 90

Project: USSC-Bryant 53622.05

REPORT OF RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY
02960-1	SS-BC (08.23.90)	Client
PARAMETER	02960-1	
Purgeable Aromatics (602)		
Benzene, ug/kg dw	<5.0	
Chlorobenzene, ug/kg dw	<5.0	
1,2-Dichlorobenzene, ug/kg dw	<5.0	
1,3-Dichlorobenzene, ug/kg dw	<5.0	
1,4-Dichlorobenzene, ug/kg dw	<5.0	
Ethylbenzene, ug/kg dw	<5.0	
Toluene, ug/kg dw	<5.0	
Xylenes, ug/kg dw	<5.0	
Methyl-Tert-Butyl-Ether (MTBE), ug/kg dw	<50	
TCLP extraction volatiles ZHE		
Phases	1	
% Solids	100 %	
% that passes 9.5 mm sieve	100 %	
Volatiles in TCLP Extract		
Benzene (TCLP), mg/l	<0.020	
Carbon tetrachloride (TCLP), mg/l	<0.020	
Chlorobenzene (TCLP), mg/l	<0.020	
Chloroform (TCLP), mg/l	<0.020	
1,2-Dichloroethane (TCLP), mg/l	<0.020	
1,1-Dichloroethylene (TCLP), mg/l	<0.020	
Methyl ethyl ketone (TCLP), mg/l	<0.040	
Tetrachloroethylene (TCLP), mg/l	<0.020	
Trichloroethylene (TCLP), mg/l	<0.020	
Vinyl chloride (TCLP), mg/l	<0.040	

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 Miami, FL 33122-0133

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REPORT OF RESULTS

Page 2

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY
02960-1	SS-BC (08.23.90)	Client
PARAMETER	02960-1	
Polynuclear Aromatic Hydrocarbons (610)		
Acenaphthene, ug/kg dw	<40000	
Acenaphthylene, ug/kg dw	<40000	
Benzo(a)pyrene, ug/kg dw	<80000	
Benzo(g,h,i)perylene, ug/kg dw	<120000	
Benzo(b,k)fluoranthene, ug/kg dw	<120000	
Chrysene + Benzo(a)anthracene, ug/kg dw	<120000	
Fluoranthene, ug/kg dw	<80000	
Fluorene, ug/kg dw	<80000	
Indeno(1,2,3-cd)pyrene+Dibenzo(a,h)anthracene, ug/kg dw	<120000	
Naphthalene, ug/kg dw	<40000	
Phenanthrene + Anthracene, ug/kg dw	<80000	
Pyrene, ug/kg dw	<80000	
2-Methylnaphthalene, ug/kg dw	<40000	
1-Methylnaphthalene, ug/kg dw	<40000	
TCLP extraction - non-volatile		
Phases	1	
% Solids	89	
% that passes 9.5 mm sieve	100	
pH (7.1.4.2), mg/kg	9.4	
pH (7.1.4.4), mg/kg	6.2	
Extraction Fluid	2	

LOG NO: D0-02960

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 ERM-South, Inc.
 2858 Northwest 79th Avenue
 Miami, FL 33122-0133

Project: USSC-Bryant 53622.05

REPORT OF RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY
02960-1	SS-BC (08.23.90)	Client
PARAMETER	02960-1	
Semivolatiles in TCLP extract		
Cresol o,m,p (TCLP), mg/l	<0.050	
1,4-Dichlorobenzene (TCLP), mg/l	<0.050	
2,4-Dinitrotoluene (TCLP), mg/l	<0.050	
Hexachlorobenzene (TCLP), mg/l	<0.050	
Hexachlorobutadiene (TCLP), mg/l	<0.050	
Hexachloroethane (TCLP), mg/l	<0.050	
Nitrobenzene (TCLP), mg/l	<0.050	
Pentachlorophenol (TCLP), mg/l	<0.25	
2,4,5-Trichlorophenol (TCLP), mg/l	<0.25	
2,4,6-Trichlorophenol (TCLP), mg/l	<0.050	
Pyridine (TCLP), mg/l	<0.25	
Petroleum Hydrocarbons (418.1), mg/kg dw	9700	
Metals in TCLP		
Arsenic (TCLP), mg/l	<0.20	
Barium (TCLP), mg/l	0.26	
Cadmium (TCLP), mg/l	<0.010	
Chromium (TCLP), mg/l	<0.050	
Lead (TCLP), mg/l	<0.10	
Selenium (TCLP), mg/l	<0.20	
Silver (TCLP), mg/l	<0.010	
Mercury (TCLP), mg/l	<0.020	
Arsenic, mg/kg dw	5.4	
Chromium, mg/kg dw	3.4	
Cadmium, mg/kg dw	<0.025	
Lead, mg/kg dw	2.4	

LOG NO: D0-02960

Received: 24 AUG 90

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 ERM-South, Inc.
 2858 Northwest 79th Avenue
 Miami, FL 33122-0133

Project: USSC-Bryant 53622.05

REPORT OF RESULTS

Page 4

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY	
02960-2	SS-D (08.23.90)	Client	
02960-3	SS-L (08.23.90)		
PARAMETER		02960-2	02960-3
Purgeable Aromatics (602)			
Benzene, ug/kg dw		<5.0	<5.0
Chlorobenzene, ug/kg dw		<5.0	<5.0
1,2-Dichlorobenzene, ug/kg dw		<5.0	<5.0
1,3-Dichlorobenzene, ug/kg dw		<5.0	<5.0
1,4-Dichlorobenzene, ug/kg dw		<5.0	<5.0
Ethylbenzene, ug/kg dw		<5.0	<5.0
Toluene, ug/kg dw		<5.0	<5.0
Xylenes, ug/kg dw		<5.0	<5.0
Methyl-Tert-Butyl-Ether (MTBE), ug/kg dw		<50	<50
Polynuclear Aromatic Hydrocarbons (610)			
Acenaphthene, ug/kg dw		<40000	<8000
Acenaphthylene, ug/kg dw		<40000	<8000
Benzo(a)pyrene, ug/kg dw		<80000	<16000
Benzo(g,h,i)perylene, ug/kg dw		<120000	<4000
Benzo(b,k)fluoranthene, ug/kg dw		<120000	<4000
Chrysene + Benzo(a)anthracene, ug/kg dw		<120000	<4000
Fluoranthene, ug/kg dw		<80000	<16000
Fluorene, ug/kg dw		<80000	<16000
Indeno(1,2,3-cd)pyrene+Dibenzo(a,h)anthracene, ug/kg dw		<120000	<24000
Naphthalene, ug/kg dw		<40000	<8000
Phenanthrene + Anthracene, ug/kg dw		<80000	<16000
Pyrene, ug/kg dw		<80000	<16000
2-Methylnaphthalene, ug/kg dw		<40000	<8000
1-Methylnaphthalene, ug/kg dw		<40000	<8000

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

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LOG NO: DO-02960

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2858 Northwest 79th Avenue
Miami, FL 33122-0133

Project: USSC-Bryant 53622.05

REPORT OF RESULTS

Page 5

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY
02960-2	SS-D (08.23.90)	Client
02960-3	SS-L (08.23.90)	

PARAMETER	02960-2	02960-3
Petroleum Hydrocarbons (418.1), mg/kg dw	690	1100
Arsenic, mg/kg dw	8.2	4.6
Cadmium, mg/kg dw	<0.025	<0.025
Chromium, mg/kg dw	4.0	5.1
Lead, mg/kg dw	4.1	6.2
Percent Solids, %	93	90

AUG-01-'90 WED 15:19 ID:- ERM MIAMI

TEL NO: 305-591-8830

#291 P02

ENCO LABORATORIES
 REPORT # : 2430
 DATE REPORTED: February 7, 1990
 REFERENCE : U.S. Sugar Corp

RESULTS OF ANALYSIS

PCB ANALYSIS

	<u>Bryant</u>	<u>units</u>
PCB - 1016	ND(300)	ug/Kg
PCB - 1221	ND(300)	ug/Kg
PCB - 1232	ND(300)	ug/Kg
PCB - 1242	ND(300)	ug/Kg
PCB - 1248	ND(300)	ug/Kg
PCB - 1254	ND(300)	ug/Kg
PCB - 1260	ND(300)	ug/Kg

MISCELLANEOUS ANALYSIS

	<u>Bryant</u>	<u>units</u>
Total Organic Halogens	142	mg/Kg
Ignitability	None	degrees F

ND = None Detected to level in parentheses



Environmental Sciences
Laboratories, Inc.

FORT LAUDERDALE • SAVANNAH

-CERTIFICATIONS-

CLIENT: THOMSON MURARO BOHRER & RAZOOK
SAMPLE ID: ~~SAB 017012870~~
SAMPLED BY: CLIENT REPRESENTATIVE
DATE RECEIVED: 01/26/90
DATE ANALYZED: 02/08/90

FLORIDA DRINKING WATER: # 0614
FLORIDA ENVIRONMENTAL: # E0600
EPA: # FL07
GEORGIA: # 021
SOUTH CAROLINA: # 9601

Bunker C

EPA METHOD 8080
ORGANOCHLORINE PESTICIDES & PCDS

CAS NUMBER	PARAMETER	CONCENTRATION (ug/kg)	LOD (ug/kg)
309-00-2	ALDRIN	BMDL	0.004
319-84-6	a-BHC	BMDL	0.003
319-85-7	b-BHC	BMDL	0.006
319-86-8	d-BHC	BMDL	0.009
30-89-9	γ-BHC	BMDL	0.004
57-74-9	CHLORDANE	BMDL	0.014
72-34-8	4,4'-DDD	BMDL	0.011
72-35-9	4,4'-DDE	BMDL	0.004
50-29-3	4,4'-DDT	BMDL	0.012
60-57-1	DIELDRIN	BMDL	0.002
959-98-0	ENDOSULFAN I	BMDL	0.014
33212-65-9	ENDOSULFAN II	BMDL	0.004
1031-07-8	ENDOSULFAN SULFATE	BMDL	0.066
72-20-8	ENDRIN	BMDL	0.006
7421-93-4	ENDRIN ALDEHYDE	BMDL	0.023
76-44-8	HEPTACHLOR	BMDL	0.003
1024-37-3	HEPTACHLOR EPOXIDE	BMDL	0.083
8001-33-2	TOXAPHENE	BMDL	0.24

Lyle A. Johnson
Lyle A. Johnson
Chemist

M D L = BELOW METHOD DETECTION LIMIT

L O D = LIMIT OF DETECTION

ATTACHMENT 2
PERMIT SUMMARY
U.S. SUGAR BOILERS
Bryant Mill

BOILER NUMBER	OPERATING PERMIT NUMBER	STEAM PRODUCTION (lbs/hr ave)	HEAT INPUT (mmBTU/hr max)	BAGASSE USAGE (tons/hr ave)	DIESEL #6 USAGE (gal/hr ave)	PARTICULATE STANDARD (lbs/mmBTU)
BRYANT MILL						
#1	A050116610	150,000	385 (Bagasse) 22.3 (Fuel Oil)	40.4	122	0.3 (Bagasse) 0.1 (Fuel Oil)
#2	A050116613	150,000	385 (Bagasse) 22.3 (Fuel Oil)	40.4	122	0.3 (Bagasse) 0.1 (Fuel Oil)
#3	A050182890	150,000	385 (Bagasse) 64.3 (Fuel Oil)	44.6	42.0	0.3 (Bagasse) 0.1 (Fuel Oil)

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION



SOUTH FLORIDA
DISTRICT

2269 BAY STREET
FORT MYERS, FLORIDA 33901-2896

BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

PHILIP R. EDWARDS
DISTRICT MANAGER

PERMITTEE: A. R. Mayo, V.P.-Sugar Houses I.D. Number: 52/50/0061/01
United States Sugar Corp. Permit/Certification Number: AO50-116610
P. O. Drawer 1207 Date of Issue: March 4, 1986
Clewiston, FL 33440 Expiration Date: March 4, 1991
County: Palm Beach Latitude/Longitude: 26°50'08"N/80°36'36"W
Section/Township/Range: 3/42S/37E
Project: U. S. Sugar Corp.
Boiler Number 1

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawings(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Operate Boiler Number 1 with a design steam production capacity of 150,000 LBS/HR and a maximum capacity of 180,000 LBS/HR (24 hour average) fired with bagasse and supplemental number 6 fuel oil. Emissions are controlled by one (1) Joy Turbulaire Impingement scrubber, Type D, Size 125.

Plant is located on U. S. Route 98, Bryant, Palm Beach County, Florida.

DER Form 17-1.201(5) Page 1 of 5
Effective November 30, 1982

PERMITTEE: U. S. Sugar Corp.

I.D. Number: 54/50/0061/01

Permit/Certification Number: AO50-116610

Date of Issue: March 4, 1986

Expiration Date: March 4, 1991

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Section 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefor caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

PERMITTEE: U. S. Sugar Corp.

I.D. Number: 52-50/0061/01

Permit/Certification Number: AO50-116610

Date of Issue: March 4, 1986

Expiration Date: March 4, 1991

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

PERMITTEE: U. S. Sugar Corp.

I.D. Number: 52/50/0061/01

Permit/Certification Number: A050-116610

Date of Issue: March 4, 1986

Expiration Date: March 4, 1991

GENERAL CONDITIONS:

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
- () Compliance with New Source Performance Standards

14. The permittee shall comply with the following monitoring and record keeping requirements:

a. Upon Request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.

c. Records of monitoring information shall include:
____ the date, exact place, and time of sampling or measurements;
____ the person responsible for performing the sampling or measurements;
____ the date(s) analyses were performed;
____ the person responsible for performing the analyses;
____ the analytical techniques or methods used; and
____ the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

PERMITTEE: U. S. Sugar Corp.

I.D. Number: 52/50/0061/01
Permit/Certification Number: A050-116610
Date of Issue: March 4, 1986
Expiration Date: March 4, 1991

SPECIFIC CONDITIONS:

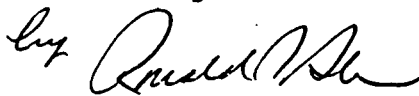
1. Particulate emissions shall not exceed 0.30 pounds per million BTU's of carbonaceous fuel heat input plus 0.10 pounds per million BTU's of fossil fuel heat input.
2. Particulate emission tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the unit is capable of compliance at the permitted maximum operating rate. Test shall be conducted in accordance with EPA Method 5 as published in 40 CFR-60, Appendix A, or State approved equivalent method. Such tests shall be conducted once per year commencing before February 15. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.
3. Visible emissions shall not exceed 30% opacity under normal operation except for up to 2 minutes in any one hour at not more than 40% opacity.
4. Sulfur content in fuel shall not exceed 2.5%.
5. All fugitive dust generated at this site shall be adequately controlled.
6. An annual operation report (DER Form 17-1.202(6) attached) shall be submitted by March 1st each year. The attached form shall be reproduced by the permittee and used for future annual submittals.
7. Proper oil flow meters shall be installed to monitor the fuel oil being consumed.
8. The scrubber control system shall be equipped with instrumentation to monitor total pressure drop and inlet water pressure. Such instrumentation shall be properly maintained so as to be functional at all times.
9. Stack sampling facilities provided by the owner shall be in accordance with the requirements of Chapter 17-2.700(4), Florida Administrative Code.
10. Notification and reporting requirements of this permit shall also be sent to the Palm Beach County Health Department.

Issued this 4th day of March, 1986.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION



Philip R. Edwards
District Manager

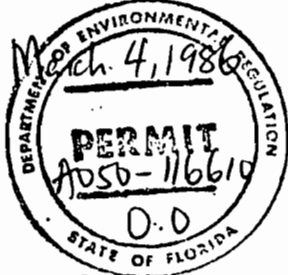


PRE/00/1s

Pages Attached

DER Form 17-1.201(5)
Effective November 30, 1982

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTH FLORIDA
DISTRICT2269 BAY STREET
FORT MYERS, FLORIDA 33901BOB GRAHAM
GOVERNORVICTORIA J. TSCHINKEL
SECRETARYPHILIP R. EDWARDS
DISTRICT MANAGERAPPLICATION FOR RENEWAL OF
PERMIT TO OPERATE AIR POLLUTION SOURCE(S)

RECEIVED
FEB 20 1986
D. E. R. SO. FLA. DISTRICT

If major alterations have occurred, the applicant should complete the Standard Air Permit Application Form.

Source Type: Bagasse Boiler #1, Bryant Renewal of DER Permit No. A050-2041A

Company Name: United States Sugar Corporation County: Palm Beach

Identify the specific emission point source(s) addressed in this application (i.e., Lime Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired):

Bagasse Boiler with Impingement Scrubber

Source Location: Street: U. S. Route 98 City: Bryant

UTM: East 7,538,750 North 2,968,125

Latitude: ° ' "N. Longitude: ° ' "W.

1. Attach a check made payable to the Department of Environmental Regulation in accordance with operation permit fee schedule set forth in Florida Administrative Code Rule 17-4.05.
2. Have there been any alterations to the plant since last permitted? Yes No
If minor alterations have occurred, describe on a separate sheet and attach.
3. Attach the last compliance test report required per permit conditions if not submitted previously.
4. Have previous permit conditions been adhered to? Yes No. If no, explain on a separate sheet and attach.
5. Has there been any malfunction of the pollution control equipment during tenure of current permit? Yes No. If yes, and not previously reported, give brief details and what action was taken on a separate sheet and attach.
6. Has the pollution control equipment been maintained to preserve the collection efficiency last permitted by the Department? Yes No
7. Has the annual operating report for the last calendar year been submitted? Yes No. If no, please attach.

8. Please provide the following information if applicable:

A. Raw Materials and Chemical Used in Your Process:

Description	Contaminant		Utilization	
	Type	%wt	Rate	lbs/hr

B. Product Weight (lbs/hr): 150,000 Steam, Normal Operation
180,000 Maximum (24 hour average)

C. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	Avg/hr*	Max/hr**	
Bagasse	80,800	100,000	385
No. 6 Fuel Oil	2.9	3.5*	22.3*
* See EXHIBIT "A" attached -			

D. Normal Equipment Operating Time: hrs/day 24; days/wk 7; wks/yr 20;
 hrs/yr (power plants only) _____; if seasonal, describe November - Late March
Description: This boiler is of a normal production capacity of 150,000 lbs./hr.
and a maximum capacity of 180,000 lbs./hr (24 hour average).

The undersigned owner or authorized representative*** of United States Sugar Corporation is fully aware that the statements made in this application for a renewal of a permit to operate an air pollution source are true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter 403, Florida Statutes, and all the rules and regulations of the Department. He also understands that a permit, if granted by the Department, will be non-transferable and he will promptly notify the Department upon sale or legal transfer of the permitted facility.

*During actual time of operation.
 **Units: Natural Gas-MMCF/hr;
 Fuel Oils-barrels/hr; Coal-lbs/hr.
 ***Attach letter of authorization if not previously submitted

A. R. Mayo
 Signature, Owner or Authorized Representative
 (Notarization is mandatory)
A. R. Mayo, Vice President - Sugar Houses
 Typed Name and Title
P. O. Drawer 1207
 Address
Clewiston, Florida 33440
 City State Zip
Feb. 21, 1986 (813) 983-8121
 Date Telephone No.

DER Form 17-1.202(4)
 Effective November 30, 1982
 STATE OF FLORIDA
 COUNTY OF HENDRY)

Sworn to and subscribed before me this 21st day of February, 1986.
[Signature]
 Notary Public, State of Florida
 My Commission Expires Oct. 5, 1988

EXHIBIT "A"

Bagasse Boiler #1 - Bryant
U. S. Sugar Corp. - Palm Beach County

DER Permit #A050-2041A

Item 8-C. Fuels

The amount of fuel oil shown on Item 8-C reflects normal averages and maximums. Under certain extraordinary conditions such as yearly plant start-ups and some rare major production interruption, the maximums shown may be exceeded for periods of limited duration. For these periods the maximums will be approximately 30 BBL/Hr. and 186 MBTU/Hr. respectively.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION



SOUTH FLORIDA
DISTRICT

2269 BAY STREET
FORT MYERS, FLORIDA 33901-2896

BOB GRAHAM
GOVERNOR

VICTORIA J. TSCHINKEL
SECRETARY

PHILIP R. EDWARDS
DISTRICT MANAGER

PERMITTEE: A. R. Mayo, V.P.-Sugar Houses
United States Sugar Corp.
P. O. Drawer 1207
Clewiston, FL 33440

I.D. Number: 52/50/0061/02
Permit/Certification Number: AC50-116613
Date of Issue: March 3, 1986
Expiration Date: March 3, 1991
County: Palm Beach
Latitude/Longitude: 26°50'08"N/80°36'36"W
Section/Township/Range: 3/42S/37E
Project: U. S. Sugar Corp.
Boiler Number 2

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Operate Boiler Number 2 with a normal steam production capacity of 150,000 LBS/HR and a maximum capacity of 180,000 LBS/HR (24 hour average) fired with bagasse and supplemental number 6 fuel oil. Emissions are controlled by two (2) Joy Turbulaire Impingement scrubbers, Type D, Size 40.

Plant is located on U. S. Route 98, Bryant, Palm Beach County, Florida.

DER Form 17-1.201(5)
Effective November 30, 1982

Page 1 of 5

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "Permit Conditions" and as such are binding upon the permittee and enforceable pursuant to the authority of Section 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is hereby placed on notice that the department will review this permit periodically and may initiate enforcement action for any violation of the "Permit Conditions" by the permittee, its agents, employees, servants or representatives.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Nor does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit does not constitute a waiver of or approval of any other department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute state recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the state. Only the Trustees of the Internal Improvement Trust Fund may express state opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, plant or aquatic life or property and penalties therefor caused by the construction or operation of this permitted source, nor does it allow the permittee to cause pollution in contravention of Florida Statutes and department rules, unless specifically authorized by an order from the department.
6. The permittee shall at all times properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by department rules.

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized department personnel, upon presentation of credentials or other documents as may be required by law, access to the premises, at reasonable times, where the permitted activity is located or conducted for the purpose of:

- a. Having access to and copying any records that must be kept under the conditions of the permit;
- b. Inspecting the facility, equipment, practices, or operations regulated or required under this permit; and
- c. Sampling or monitoring any substances or parameters at any location reasonably necessary to assure compliance with this permit or department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:

- a. a description of and cause of non-compliance; and
- b. the period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the department for penalties or revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source, which are submitted to the department, may be used by the department as evidence in any enforcement case arising under the Florida Statutes or department rules, except where such use is proscribed by Sections 403.73 and 403.111, Florida Statutes.

10. The permittee agrees to comply with changes in department rules and Florida Statutes after a reasonable time for compliance, provided however, the permittee does not waive any other rights granted by Florida Statutes or department rules.

11. This permit is transferable only upon department approval in accordance with Florida Administrative Code Rules 17-4.12 and 17-30.30, as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the department.

GENERAL CONDITIONS:

12. This permit is required to be kept at the work site of the permitted activity during the entire period of construction or operation.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
- () Compliance with New Source Performance Standards

14. The permittee shall comply with the following monitoring and record keeping requirements:

a. Upon Request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.

b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.

c. Records of monitoring information shall include:

- the date, exact place, and time of sampling or measurements;
- the person responsible for performing the sampling or measurements;
- the date(s) analyses were performed;
- the person responsible for performing the analyses;
- the analytical techniques or methods used; and
- the results of such analyses.

15. When requested by the department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the department, such facts or information shall be submitted or corrected promptly.

PERMITTEE: U. S. Sugar Corp.

I.D. Number: 52/50/0061/02
Permit/Certification Number: AC50-116613
Date of Issue: March 3, 1986
Expiration Date: March 3, 1991

SPECIFIC CONDITIONS:

1. Particulate emissions shall not exceed 0.30 pounds per million BTU's of carbonaceous fuel heat input plus 0.10 pounds per million BTU's of fossil fuel heat input.
2. particulate emission tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the unit is capable of compliance at the permitted maximum operating rate. Test shall be conducted in accordance with EPA Method 5 as published in 40 CFR-60, Appendix A, or State approved equivalent method. Such tests shall be conducted once per year commencing before February 15. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.
3. Visible emissions shall not exceed 30% opacity under normal operation except for up to 2 minutes in any one hour at not more than 40% opacity.
4. Sulfur content in fuel shall not exceed 2.5%.
5. All fugitive dust generated at this site shall be adequately controlled.
6. An annual operation report (DER Form 17-1.202(6) attached) shall be submitted by March 1st each year. The attached form shall be reproduced by the permittee and used for future annual submittals.
7. Proper oil flow meters shall be installed to monitor the fuel oil being consumed.
8. The scrubber control system shall be equipped with instrumentation to monitor total pressure drop and inlet water pressure. Such instrumentation shall be properly maintained so as to be functional at all times.
9. Stack sampling facilities provided by the owner shall be in accordance with the requirements of Chapter 17-2.700(4), Florida Administrative Code.
10. Notification and reporting requirements of this permit shall also be sent to the Palm Beach County Health Department.

Issued this 3rd day of March, 1986.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION



Philip R. Edwards
District Manager

PRE/00/1s

____ Pages Attached

DER Form 17-1.201(5)
Effective November 30, 1982



Page 5 of 5

DEPARTMENT OF ENVIRONMENTAL REGULATION

SOUTH FLORIDA
DISTRICT2269 BAY STREET
FORT MYERS, FLORIDA 33901BOB GRAHAM
GOVERNORVICTORIA J. TSCHINKEL
SECRETARYPHILIP R. EDWARDS
DISTRICT MANAGER

FEB 25 1986

DISTRICT

APPLICATION FOR RENEWAL OF
PERMIT TO OPERATE AIR POLLUTION SOURCE(S)

If major alterations have occurred, the applicant should complete the Standard Air Permit Application Form.

Source Type: Bagasse Boiler #2, Bryant Renewal of DER Permit No. A050-7252
 Company Name: United States Sugar Corporation County: Palm Beach

Identify the specific emission point source(s) addressed in this application (i.e., Line and Main No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired):

Bagasse Boiler with Impingement Scrubber

Source Location: Street: U. S. Route 98 City: Bryant
 UTM: East 7,538,750 North 2,968,125
 Latitude: ° ' "N. Longitude: ° ' "W.

1. Attach a check made payable to the Department of Environmental Regulation in accordance with operation permit fee schedule set forth in Florida Administrative Code Rule 17-4.05.
2. Have there been any alterations to the plant since last permitted? Yes No
If minor alterations have occurred, describe on a separate sheet and attach.
3. Attach the last compliance test report required per permit conditions if not submitted previously.
4. Have previous permit conditions been adhered to? Yes No If no, explain on a separate sheet and attach.
5. Has there been any malfunction of the pollution control equipment during tenure of current permit? Yes No If yes, and not previously reported, give brief details and what action was taken on a separate sheet and attach.
6. Has the pollution control equipment been maintained to preserve the collection efficiency last permitted by the Department? Yes No
7. Has the annual operating report for the last calendar year been submitted? Yes No If no, please attach.

8. Please provide the following information if applicable:

A. Raw Materials and Chemical Used in Your Process:

Description	Contaminant		Utilization	
	Type	%Wt	Rate	lbs/hr

B. Product Weight (lbs/hr): 150,000 Steam, Normal Operation
180,000 Maximum (24 hour average)

C. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	Avg/hr*	Max/hr**	
Bagasse	80,800	100,000	385
No. 6 Fuel Oil	2.9	3.5*	22.3*
* See EXHIBIT "A" attached -			

D. Normal Equipment Operating Time: hrs/day 24 ; days/wk 7 ; wks/yr 20 ;
 hrs/yr (power plants only) _____ ; if seasonal, describe November - Late March

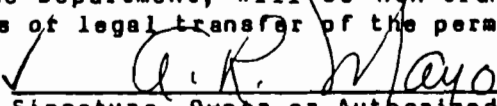
Description: This boiler is of a normal production capacity of 150,000 lbs./hr.
and a maximum capacity of 180,000 lbs./hr (24 hour average).

The undersigned owner or authorized representative*** of United States Sugar Corporation is fully aware that the statements made in this application for a renewal of a permit to operate an air pollution source are true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter 403, Florida Statutes, and all the rules and regulations of the Department. He also understands that a permit, if granted by the Department, will be non-transferable and he will promptly notify the Department upon sale of legal transfer of the permitted facility.

*During actual time of operation.

**Units: Natural Gas-MMCF/hr;
 Fuel Oils-barrels/hr; Coal-lbs/hr.

***Attach letter of authorization if not previously submitted


 Signature, Owner or Authorized Representative
 (Notarization is mandatory)

A. R. Mayo, Vice President - Sugar Houses
 Typed Name and Title

P. O. Drawer 1207

Clewiston, Florida 33440
 Address

Feb. 21, 1986 (813) 983-8121
 Date Telephone No.

DER Form 17-1.202(4)
 Effective November 30, 1982

STATE OF FLORIDA)
 COUNTY OF HENDRY)

Sworn to and subscribed before me this 21st day of February, 1986.


 Notary Public, State of Florida

My Commission Expires Oct. 5, 1989

EXHIBIT "A"

Bagasse Boiler #2 - Bryant
U. S. Sugar Corp. - Palm Beach County

DER Permit #A050-7252

Item 8-C. Fuels

The amount of fuel oil shown on Item 8-C reflects normal averages and maximums. Under certain extraordinary conditions such as yearly plant start-ups and some rare major production interruption, the maximums shown may be exceeded for periods of limited duration. For these periods the maximums will be approximately 30 BBL/Hr. and 186 MBTU/Hr. respectively.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
NOTICE OF PERMIT ISSUANCE

August 6, 1990

CERTIFIED MAIL #P 483 808 095
RETURN RECEIPT REQUESTEDIn the Matter of an Application
for Permit by:A. R. Mayo, Vice President
U. S. Sugar Corporation
Post Office Box 1207
Clewiston, Florida 33440RE: Palm Beach County - AP
U. S. Sugar Corporation
Bryant Boiler No. 3

Enclosed is Permit Number A050-182890 to operate the above-referenced facility, issued pursuant to Section(s) 403.087, Florida Statutes (F.S.).

A person whose substantial interests are affected by this permit may petition for an administrative proceeding (hearing) in accordance with Section 120.57, F.S. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within 14 days of receipt of this Permit. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, F.S.

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;

(d) A statement of the material facts disputed by Petitioner, if any;

(e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of receipt of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, Florida Administrative Code (F.A.C.).

This permit is final and effective on the date filed with the Clerk of the Department unless a petition is filed in accordance with the above paragraphs or unless a request for extension of time in which to file a petition is filed within the time specified for filing a petition and conforms to Rule 17-103.070, F.A.C. Upon timely filing of a petition or a request for an extension of time this permit will not be effective until further Order of the Department.

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order 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 Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; 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 days from the date the final order is filed with the Clerk of the Department.

BEST AVAILABLE COPY

Executed in Ft. Myers, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

Philip R. Edwards

Philip R. Edwards
Deputy Assistant Secretary
2269 Bay Street
Ft. Myers, FL 33901-2896
(813)332-6975

PRE/PRC/jsw

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on AUGUST 7, 1990 to the listed persons.

Clerk Stamp

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to
§120.52(9), Florida Statutes,
with the designated Department
Clerk, receipt of which is hereby
acknowledged.

William J. Hill
(Clerk)

8-7-90
(Date)

Copies furnished to:

Palm Beach County Health Department
KBN Engineering and Applied Sciences, Inc.

Appeal must be filed within 30 days from the date the final order is filed with the Clerk of the Department.



Florida Department of Environmental Regulation

South District • 2269 Bay Street • Fort Myers, Florida 33901-2890

Bob Martinez, Governor

Dale Twachtman, Secretary

John Sheehan, Assistant Secretary
Philip Edwards, Deputy Assistant Secretary

813-332-6975
813-332-6976

BEST AVAILABLE COPY

PERMITTEE: U. S. Sugar Corporation
Post Office Box 1207
Clewiston, Florida 33440

I.D. Number: 52FIM50006103
Permit/Certification Number: A050-182890
Date of Issue: August 6, 1990
Expiration Date: August 6, 1995
County: Palm Beach
Latitude/Longitude:
26° 50' 41" N
80° 37' 09" W
Section/Township/Range: 3/42S/37E
Project: Boiler No. 3

This permit is issued under the provisions of Chapter(s) 403.087, Florida Statutes, and Florida Administrative Code Rule(s) 17-2 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawings(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

Operation of Boiler No. 3 with a normal operating capacity of 150,000 lbs/hr steam (180,000 lbs/hr maximum 24-hour average), fired with bagasse and No. 6 fuel oil. Emissions are controlled by a Joy Turbulaire impingement-type scrubber, size 90, type D.

Facility located off U.S. Route 98, Bryant, Florida.



PERMITTEE: U. S. Sugar Corporation

I.D. Number: 52FIM50006103

Permit/Certification Number: A050-182890

Date of Issue: August 6, 1990

Expiration Date: August 6, 1995

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth herein are "permit conditions" and are binding and enforceable pursuant to Sections 403.141, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in subsections 403.087(6) and 403.722(5), F.S. the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in this permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

PERMITTEE: U. S. Sugar Corporation

I.D. Number: 52PIMS0006103

Permit/Certification Number: A050-182890

Date of Issue: August 6, 1990

Expiration Date: August 6, 1995

GENERAL CONDITIONS:

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law, and at reasonable times, access to the premises where the permitted activity is located or conducted to:

a. Have access to and copy any records that must be kept under conditions of the permit;

b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and

c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

Reasonable time may depend on the nature of the concern being investigated.

8. If, for any reason, the permittee does not comply with or will be unable to comply with any condition or limitation specified in this permit, the permittee shall immediately provide the Department with the following information:

a. A description of and cause of non-compliance; and

b. The period of noncompliance, including dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

The permittee shall be responsible for any and all damages which may result and may be subject to enforcement action by the Department for penalties or for revocation of this permit.

9. In accepting this permit, the permittee understands and agrees that all records, notes, monitoring data and other information relating to the construction or operation of this permitted source which are submitted to the Department may be used by the Department as evidence in any enforcement case involving the permitted source arising under the Florida Statutes or Department rules, except where such use is prescribed by Section 403.111 and 403.73, F.S. Such evidence shall only be used to the extent it is consistent with the Florida Rules of Civil Procedure and appropriate evidentiary rules.

10. The permittee agrees to comply with changes in Department rules and Florida Statutes after a reasonable time for compliance; provided however, the permittee does not waive any other rights granted by Florida Statutes or Department rules.

11. This permit is transferable only upon Department approval in accordance with Rule 17-4.120 and 17-30.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

PERMITTEE: U. S. Sugar Corporation

I.D. Number: 52FIM50006103

Permit/Certification Number: A050-182890

Date of Issue: August 6, 1990

Expiration Date: August 6, 1995

GENERAL CONDITIONS:

12. This permit or a copy thereof shall be kept at the work site of the permitted activity.

13. This permit also constitutes:

- () Determination of Best Available Control Technology (RACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Certification of Compliance with State Water Quality Standards (Section 401, PL 92-500)
- () Compliance with New Source Performance Standards

14. The permittee shall comply with the following:

a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.

b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report or application unless otherwise specified by Department rule.

c. Records of monitoring information shall include:

1. the date, exact place, and time of sampling or measurements;
2. the person responsible for performing the sampling or measurements;
3. the date analyses were performed;
4. the person responsible for performing the analyses;
5. the analytical techniques or methods used;
6. the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

SPECIFIC CONDITIONS:

1. Particulate emissions tests are required to show continuing compliance with the standards of the Department. The test results must provide reasonable assurance that the unit is capable of compliance at the permitted maximum operating rate. Test shall be conducted in accordance with EPA Method Five as published in 40 CFR-60, Appendix A, or State approved equivalent method. Such tests shall be conducted once per year commencing before February 15, 1991. Results shall be submitted to the Department within 45 days after testing. The Department shall be notified at least 15 days prior to testing to allow witnessing.
2. Particulate emissions shall not exceed 0.30 pounds per million BTU's of carbonaceous fuel heat input plus 0.10 pounds per million BTU's of fossil fuel heat input.
3. Visible emissions shall not exceed 30% opacity under normal operation except for up to 2 minutes in any one hour at not more than 40% opacity.
4. Sulfur content in fuel shall not exceed 2.5%.
5. The scrubber control system shall be equipped with instrumentation to monitor total pressure drop and inlet water pressure. Such instrumentation shall be properly maintained so as to be functional at all times.
6. Stack sampling facilities provided by the owner shall be in accordance with the requirements of Chapter 17-2.700(4), Florida Administrative Code.
7. Proper oil flow meters shall be installed to monitor the fuel oil being consumed.
8. An annual operation report (DER Form 17-1.202(6) attached) shall be submitted by March 1st each year. The attached form shall be reproduced by the permittee and used for future annual submittals. A fuel oil analysis shall be included with each submittal.
9. Notification and reporting requirements of this permit shall also be sent to the Palm Beach County Health Department.
10. All fugitive dust generated at this site shall be adequately controlled.

Note: In the event of an emergency the permittee shall contact the Department by calling (904)488-1320. During normal business hours, the permittee shall call (813)332-6975.

Issued this 6th day of August, 1990

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION


Philip R. Edwards
Deputy Assistant Secretary

PRE/PRC/jsw

Pages Attached

DER Form 17-1.201(5)
Effective November 30, 1982

Page 5 of 5

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

APPLICATION FOR RENEWAL OF
PERMIT TO OPERATE AIR POLLUTION SOURCE(S)

If major alterations have occurred, the applicant should complete the Standard Air Permit Application Form.

Source Type: Bagasse Boiler #3-Bryant Renewal of DER Permit No. A050-110301

Company Name: U.S. Sugar Corp. County: Palm Beach

Identify the specific emission point source(s) addressed in this application (i.e., Lime Kiln No. 4 with Venturi Scrubber; Peaking Unit No. 2, Gas Fired):

Bagasse Boiler #3 with spray impingement scrubber

Source Location: Street: U.S. Route 98 City: Bryant

UTM: East 17-537.8 North 2969.0

Latitude: 2 6° 5 0' 4 1"N Longitude: 8 0° 3 7' 0 2"W.

1. Attach a check made payable to the Department of Environmental Regulation in accordance with operation permit fee schedule set forth in Florida Administrative Code Rule 17-4.05.
2. Have there been any alterations to the plant since last permitted? Yes No
If minor alterations have occurred, describe on a separate sheet and attach.
3. Attach the last compliance test report required per permit conditions if not submitted previously. Previously submitted
4. Have previous permit conditions been adhered to? Yes No If no, explain on a separate sheet and attach.
5. Has there been any malfunction of the pollution control equipment during tenure of current permit? Yes No If yes, and not previously reported, give brief details and what action was taken on a separate sheet and attach.
6. Has the pollution control equipment been maintained to preserve the collection efficiency last permitted by the Department? Yes No
7. Has the annual operating report for the last calendar year been submitted? Yes No If no, please attach.

PLEASE PROVIDE THE FOLLOWING INFORMATION IF APPLICABLE:

A. Raw Materials and Chemical Used in Your Process:

Description	Contaminant		Utilization	
	Type	Wt	Rate	lbs/hr
Not Applicable				

B. Product Weight (lbs/hr): 150,000 lb/hr steam, normal operation
180,000 lb/hr (maximum 24-hour average)

C. Fuels

Type (Be Specific)	Consumption [*]		Maximum Heat Input (MMBTU/hr)
	Avg/hr [*]	Max/hr ^{**}	
Bagasse	89.120 lb/hr	106.944 lb/hr [*]	385.0
No. 6 Fuel Oil	1.0	9.9 ^{**}	64.35 ^{**}

D. Normal Equipment Operating Time: hrs/day 24; days/wk 7; wks/yr 20;
 hrs/yr (power plants only) _____; if seasonal, describe November-March

Refer to Attachment A for further explanation.

The undersigned owner or authorized representative^{***} of U.S. Sugar Corp. is fully aware that the statements made in this application for a renewal of a permit to operate an air pollution source are true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter 403, Florida Statutes, and all the rules and regulations of the Department. He also understands that a permit, if granted by the Department, will be non-transferable and he will promptly notify the Department upon sale or legal transfer of the permitted facility.

^{*}During actual time of operation.

^{**}Units: Natural Gas-MMBTU/hr; Fuel Oils-barrels/hr; Coal-lbs/hr.

^{***}Attach letter of authorization if not previously submitted

A.R. Mayo
 Signature, Owner or Authorized Representative
 (Registration is mandatory)

A.R. Mayo, Vice President
 Typed Name and Title

P.O. Box 1207
 Address

Clewiston, Florida 33440
 City State Zip

(813) 983-8121
 Date Telephone No.

This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgement, that the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules and regulations of the department.

Signed David A. Buff

David A. Buff
Name (Please Type)

KBN Engineering and Applied Sciences, Inc.
Company Name (Please Type)

1034 N.W. 57th Street, Gainesville, FL 32605
Mailing Address (Please Type)

Florida Registration No. 19011 Date: 6/20/90 Telephone No. (904) 331-9000

ATTACHMENT A

Bagasse Boiler No. 3--Bryant

DER Permit No. A050-110301

Item 8.C Fuels

The maximum heat input shown is based on the maximum 24-hour average steam rate of 180,000 lb/hr. The associated bagasse consumption is based on 3,600 Btu/lb for wet bagasse.

The amount of fuel oil shown in Item 8.C reflects normal averages and maximums. Under certain special situations such as yearly plant startups and very rare major production interruptions, the maximums shown may be exceeded for periods of limited duration. During these periods, the maximum will be approximately 30 bbl/hr (1,260 gal/hr) and 189 MM Btu/hr.



STATE OF FLORIDA
DEPARTMENT OF POLLUTION CONTROL

SUITE 401
2180 WEST 1ST STREET
FORT MYERS, FLORIDA 33901

copy office file

PETER P. BALJET
EXECUTIVE DIRECTOR

W.D. FREDERICK, JR.
CHAIRMAN

January 3, 1975

Mr. A.R. Mayo, Vice President
U. S. Sugar Corp.
P. O. Box 1207
Clewiston, Fla. 33440

Re: Palm Beach Co. - A.P.
U.S. Sugar Corp.-Bryant Mill
Boiler #1

Dear Mr. Mayo:

Pursuant to your recent application, please find enclosed a permit (No. AC50-2041A) dated 1/2/75 to construct the subject pollution source.

This permit will expire on 11/30/75 , and will be subject to the conditions, requirements and restrictions checked or indicated otherwise in the attached sheet construction "Permit Conditions."

This permit is issued under the authority of Florida Statutes 403.061(16). The time limits imposed herein are a condition of this permit and are enforceable under Florida Statute 403.161. You are hereby placed on Notice that the Department will review this permit before the scheduled date of expiry and will seek court action for violation of the conditions and requirements of this permit.

You have ten (10) days from the date of receipt hereof within which to seek a review of the conditions and requirements contained in this permit.

Your continued cooperation in this matter is appreciated, and in future communication please refer to your permit number.

Yours truly,

Philip R. Edwards
Regional Administrator

PRE/mh

cc: DPC Tallahassee
Palm Beach CHD
Frank S. Kleeman

John R. Middlemas
BOARD MEMBER

Alice C. Wainwright
BOARD MEMBER

Mark D. Hollis
BOARD MEMBER

Y.E. Hall
BOARD MEMBER

STATE OF FLORIDA
DEPARTMENT OF AIR AND WATER
POLLUTION CONTROL

CONSTRUCTION PERMIT

FOR U. S. Sugar Corporation

P. O. Box 1207

Clewiston, Fla. 33440

PERMIT NO. AC50-2041A

DATE 1/2/75

PURSUANT TO THE PROVISION OF SECTION 403.061 (16) OF CHAPTER 403, FLORIDA STATUTES AND CHAPTER 17-4 FLORIDA ADMINISTRATIVE CODE, THIS PERMIT IS ISSUED TO
Mr. A. R. Mayo, Vice President

FOR THE CONSTRUCTION OF THE FOLLOWING:

Control system for Boiler #1-consisting of stainless steel Joy
impingement scrubbers: 1 Size 125 or 2 Size 40; Type-D.

LOCATED AT: U.S. Rte. 98, Bryant, Palm Beach County

UTM East 7,538,750 North 2,968,125

IN ACCORDANCE WITH THE APPLICATION DATED November 25, 1974
AND IN CONFORMITY WITH THE STATEMENTS AND SUPPORTING DATA ENTERED THEREIN,
ALL OF WHICH ARE FILED WITH THE DEPARTMENT AND ARE CONSIDERED A PART OF THIS
PERMIT.

THIS PERMIT SHALL BE EFFECTIVE FROM THE DATE OF ITS ISSUANCE UNTIL 11/30/75
AND SHALL BE SUBJECT TO ALL APPLICABLE LAWS OF THE STATE AND THE RULES AND REG-
ULATIONS OF THE DEPARTMENT.

Philip R. Edwards

Philip R. Edwards
Regional Administrator

Peter P. Baljet

Peter P. Baljet
EXECUTIVE DIRECTOR

STATE OF FLORIDA

DEPARTMENT OF POLLUTION CONTROL

CONSTRUCTION PERMIT PROVISOS

AIR POLLUTION SOURCES

Permit No. AC50-2041A

Date: 1/2/75

- (X) 1. Construction of this installation shall be completed by 8/15/75. Application for Permit to Operate to be submitted by 11/30/75.
- (X) 2. This construction permit expires on 11/30/75 following an initial period of operation for appropriate testing to determine compliance with the Rules of the Florida Pollution Control Board.
- (X) 3. All applicable rules of the Department including design discharge limitations specified in the application shall be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations prior to construction.
- (X) 4. The applicant shall continue the retention of the engineer of record for the inspection of the construction of this project. Upon completion the engineer shall inspect for conformity to construction permit applications and associated documents. A report of such inspection shall be submitted by the engineer to the Department of Pollution Control for consideration toward the issuance of an operation permit.
- (X) 5. This boiler shall be tested* for particulates within 30 days after it is placed in operation. These test results are required prior to our issuance of an operation permit and shall be submitted in duplicate to the DPC Southwest Florida Regional Office 2180 W. First St., Suite 401, Ft. Myers, Fla. 33901.
- *FUEL ANALYSIS MAY BE SUBMITTED FOR REQUIRED SULFUR DIOXIDE EMISSION TEST.
- () 6. The operation of this installation shall be observed for visible emissions in accordance with Method 9 - Visible Determination of the Opacity of Emissions from Stationary Sources (36FR24895; Federal Register, December 23, 1971). The observation results are required prior to our issuance of an operation permit, and shall be submitted in duplicate to the DPC Florida Regional Office,
- (X) 7. Satisfactory ladders, platforms, and other safety devices shall be provided/available as well as necessary ports to facilitate the carrying out of an adequate sampling program.
- (X) 8. There shall be no discharges of liquid effluents or contaminated runoff from the plant site.
- (X) 9. All fugitive dust generated at this site shall be adequately controlled.

- (X) 10. Submit, within sixty (60) days upon receipt of this permit, the scrubbers design operating data as specified by the manufacturer including pressure drop, water flow rates, etc.
- (X) 11. This boiler shall not be operated after July 1, 1975 without the control system indicated on this permit being installed and operational.

RECEIVED
DEC 13 1974
SW REGION DPC
PAID DEC 13 1974



DI
SOUTHWEST REGION
DEPT. OF POLLUTION CONTROL

STATE OF FLORIDA
DEPARTMENT OF POLLUTION CONTROL

PERMIT NO. AC50-2041A
DATE 1/2/75

APPLICATION TO OPERATE/CONSTRUCT POLLUTION SOURCES

SECTION I - GENERAL INFORMATION FOR ALL POLLUTION SOURCES
I TO BE FILLED IN BY APPLICANT

60th Day
FEB 13 1975

Source Type: Air Pollution
Type application: [] Operation [] Temporary Operation [x] Construction
Status Source: [] New [x] Existing [] Modification

Source Name: U. S. Sugar Corp. Bryant Mill County: Palm Beach
Boiler #1 Mfg. by Riley Stoker Co. Serial No. 3428

Source Location: Street: U.S. Route 98 City: Bryant
(Water Source Only) Lat: _____ Long: _____
(Air Source Only) UTM: East 7538750 North 2968125

Appl. Name and Title: A. R. Mayo, Vice President
Appl. Address: U. S. Sugar Corp., P.O. Box 1207 Clewiston, Fla. 33440

II TO BE FILLED IN BY REGION (*BY BUREAU OF PERMITTING)

Control No: Region _____ County _____ Type _____ *Project _____

Type Permit	Date Rec'd	*Permit No.	*Issue Date	*Compl. Date	*Exp. Date

Source Description: _____
Control Equipment: _____

Water Permits

Receiving Body Code: _____ Surface Water Code: _____
 Station No.: Influent: _____ Effluent: _____

Effluent:	Average	Design	% Reduction
Flow rate, MGD	_____	_____	_____
BOD, lbs/day	_____	_____	_____
Susp. Sol., lbs/day	_____	_____	_____
Other: _____	_____	_____	_____

RECEIVED
DEC 04 1974
Division of Environmental
HEALTH DEPT.

Air Permits

Operating Time: [] Continuous [] Intermittent
 Fuel: Type _____ M-BTU/hr. In Put _____
 Incinerator: Capacity, tons/day _____ Type Waste _____
 Mfg. & Model _____

Pollutant Emissions, lbs/day	Actual	Design	Allowable
Particulate	_____	_____	_____
Sulfur Oxides	_____	_____	_____
Other: _____	_____	_____	_____

Implementation: Estimated Appl. Filing Date _____
Estimated Start of Const. _____ Estimated Compliance Date _____

DESCRIPTION OF PROPOSED PROJECT

A. Describe the nature and extent of the proposed project. Refer to existing pollution control facilities, DPC permits, conditions, orders and notices, expected improvement in performance of the facilities and state whether the proposed project will result in full compliance of the source. Attach additional sheet if necessary.

Pollution control facility consists of a Joy Mfg. Co. Turbulaire impingement-type scrubber, Size 125, Type D. This scrubber is similar to that installed on Boiler #3. However, later decision may be made to install two size 40, Type D scrubbers similar to those on Boiler #2. By-pass is provided for emergency use only, such as for cleaning necessitated by plugging of scrubber.

Stack emissions tests indicate that the facility will provide full compliance of the source with applicable standards.

B. Schedule of Project Covered in this Application (Construction Permit Application Only).

Federally or State Financed Projects only:

Planning Complete N.A.

Financing Program Complete

Indicate other local, state and/or federal agency approvals and dates

All projects:

Start of Construction 4-15-75

Completion of Construction 8-15-75

C. Costs of Construction (Show a breakdown of costs for individual components/units of the proposed project serving pollution control purpose only). Information on actual costs shall be furnished with the application for operation permit.

Table with 2 columns: Description, Amount. Row 1: Estimated cost of scrubber plus installation, \$70,000.

D. Indicate any previous DPC permits, issuance dates, and expiration dates.

This Boiler is operating under Permit No. AO-50-2041, issued 5-22-73 and expiring on 7-1-75.

AIR POLLUTION SOURCES & CONTROL DEVICES

A. Identification of Air Contaminants

- 1) Particulates
 a) Dust b) Fly Ash c) Smoke d) Other (Identify)
- 2) Sulfur Compounds
 a) SO_x as SO₂ b) Reduced Sulfur as H₂S c) Other (Identify)
- 3) Nitrogen Compounds
 a) NO_x as NO₂ b) NH₃ c) Other (Identify)
- 4) Fluorides 5) Acid Mist 6) Odor
- 7) Hydrocarbons 8) Volatile Organic Compounds
- 9) Other (Specify): _____

B. Raw Materials and Chemicals Used (Be Specific)

Description	Utilization Tons/day, lbs./day, etc.	Approximate Contaminant Content		Relate to Flow Diagram
		Type	% Wt.	
Bagasse	908.3 T/day	-	-	A
No. 6 Fuel Oil	12.0 T/day	S	2.4	B

C. Process Weight:

- 1) Total Process Weight Rate 76,690 lbs./hr. [Sec Sec. 17-2.04(2)]
- 2) Product Weight 150,000 lb./hr. expressed as Steam
- 3) Normal Operating Time 24 hrs. per day, if seasonal describe: Approx. 150 days per yr
 (Nov. 1 thru March 31)

D. Airborne Contaminants Discharged:

Name of Contaminant	Actual Discharge	Discharge Criteria*	Allowable Discharge*	Relate Location to Flow Diagram
Particulates	67.9 lbs/hr 122.3 T/yr	Btu Std.	83.6 lbs/hr	C
SO ₂	47.6 lbs/hr 85.7 T/yr	N.A.	N.A.	C
NO _x	94.7 lbs/hr 170.5 T/yr	N.A.	N.A.	C

* Refer to Chapter 17-2 Florida Administrative Code
 (Discharge Criteria: Process Weight Rate, #/tonP₂O₅, #/M BTU/hr etc.)

E. Control Devices:

Name	Eff.	Conditions of Operation, Particle Size Range, etc.	Relate to Flow Diagram
Joy Turbulaire impingement- type Scrubber, Model No. (Type) D		65% 10 microns & up	G
Serial No. not avail.	89.6%	35% under 10 microns	

F. Fuels:

Type (Be specific)	Daily Consumption		Heat Input BTU/hr.	Relate to Flow Diagram
	*	**		
Bagasse	718 T/day Range 0	897 T/day 920	272.5 x 10 ⁶	A
No. 6 Fuel Oil	4400 lbs/day Range 0	5500 lbs/day 56,000	18.5 x 10 ⁶	B

G. Describe briefly, without revealing trade secrets, the unit processes/operations generating the airborne emissions identified in this application:

See Addendum sheets and Process Flow diagram.

H. Indicate liquid or solid wastes generated and method of disposal.

Scrubber water is used to sluice cane juice mud, which is impounded in settling ponds.

* At design capacity (120,000 lbs/hr steam)

** At operating capacity (150,000 lbs/hr steam)

STATEMENTS BY APPLICANT AND ENGINEER

A. Applicant

The undersigned owner or authorized representative of * U. S. Sugar Corp.
is fully aware that the statements made in this application for a Construct permit are
true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and
operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter
403 Florida Statutes and all the rules and regulations of the Department or revisions thereof. He also understands that a
permit, if granted by the Department, will be non-transferable and he will promptly notify the Department upon sale or
legal transfer of the permitted establishment.

A. R. Mayo

Signature of the Owner or Authorized Representative

A. R. Mayo, Vice President

Name and Title (Please Type)

Date: November 25, 1974 Telephone No.: (813) 983-8121

* Attach a letter of authorization

B. Professional Engineer Registered in Florida:

This is to certify that the engineering features of this pollution control project have been designed/examined by me and
found to be in conformity with modern engineering principles applicable to the control and discharge of pollutants
characterized in the permit application. There is reasonable assurance, in my professional judgment, that the pollution
source(s) with appropriate control facilities, when properly maintained and operated, will comply with all applicable
statutes of the State of Florida and the rules and regulations of the Department. It is also agreed that the undersigned
will furnish the applicant a set of instructions for the proper maintenance and operation of the installation covered in
this application.

Signature Frank S. Kleeman

Mailing Address: Kleeman Engineering, Inc.
1507 N.W. 47th Ave.

Ft. Lauderdale, Fla. 33319

Name: Frank S. Kleeman, P.E.
(please type)

Telephone No.: (305) 731-9121

Florida Registration Number 13622
(Please affix seal)

Date: November 25, 1974

DECEMBER 1974
RECEIVED
FLORIDA DEPARTMENT OF
NATURAL RESOURCES
TALLAHASSEE, FLORIDA

ADDENDUM TO PERMIT APPLICATION
FOR
AIR POLLUTION SOURCES

Listed below are clarifications of some of the information required on the application form. All information submitted must be in the format outlined below. Space is also provided below for additional information not contained in the original form.

AIR POLLUTION SOURCES & CONTROL DEVICES:

Item: C 1) Show the derivation of process weight.

Item: C 3) Normal operating time must be given as Hrs/Day, Days/Week and Weeks/Year.

If seasonal, give % operation by month.

Contaminants must include but not limited to: particulate matter, sulfur oxides, carbon monoxide, hydrocarbons and nitrogen oxides. This information must be submitted even though an applicable standard may not exist.

Also give actual discharge of each contaminant in lbs/hr and tons/yr.

Item: E In the space provided for Name, give model number and serial number of control device.

On separate page, give basis for efficiency on the process, i. e. calculations, (Do not give a general efficiency).

Item: F Include the commercial standard number of fuel oil and % sulfur, e.g. No. 6 fuel oil with 2.5% sulfur.

In the space provided for daily consumption, give mean and extremes.

Heat input must be the design capacity.

If application is for boiler, include manufacturer, model no. and serial no.

ADDITIONAL INFORMATION REQUIRED:

1. Flow diagram of process (without revealing trade secrets)
2. Plot plan
3. Stack data:

Height (ft.): 65
 Diameter (ft.): 5.4
 Temperature (°F): 160 (exit)
 Flow Rate (ft/min.): 3490 at 30" Hg.

*Kleeman Engineering, Inc.*CHEMICAL & ENVIRONMENTAL
ENGINEERS*Frank S. Kleeman, P.E. - Pres.**R. Lynn Peyton - V. Pres.*

305/731-91

305/731-01

ADDENDUM CALCULATIONS
APPLICATION FOR PERMIT TOCONSTRUCTFOR: U.S. SUGAR CORP.BRYANT MILL - BOILER #1

Item C-1 Derivation of Process Weight

Fuel Oil Burned () 1,000 lbs./ hr.Bagasse Burned 75,690 lbs./hr.

Calculated on Btu basis as follows:

Steam Generated 150,000 lbs/hr.Btu Value of Steam 1067 Btu/lb.Btu Value of Fuel Oil 18,500 Btu/lb.Furnace Efficiency 55 %Btu Value of Bagasse 3,600 Btu/lb.Heat Output = $\frac{150,000}{1} \times \frac{1067}{1} = \frac{160.0 \times 10^6}{1}$ Btu/hr.Heat Input = $\frac{160.0 \times 10^6}{.55} = \frac{291.0 \times 10^6}{1}$ Btu/hr.Heat Input from Oil = $\frac{1,000}{1} \times \frac{18,500}{1} = \frac{18.5 \times 10^6}{1}$ Btu/hr.Heat Input from Bagasse = $\frac{291.0 \times 10^6}{1} - \frac{18.5 \times 10^6}{1} = \frac{272.5 \times 10^6}{1}$ Btu/hr.Bagasse Burned = $\frac{272,500,000}{3600} = \frac{75,690}{1}$ Lbs/hr.Total Process Weight = $\frac{1000}{1} + \frac{75,690}{1} = \frac{76,690}{1}$ Lbs/hr.Bagasse Burned Daily = $\frac{75,690 \times 24}{2000} = \frac{908.3}{1}$ Tons/dayOil Burned Daily = $\frac{1000 \times 24}{2000} = \frac{12.0}{1}$ Tons/day

Item D Emission Calculations

ENVIRONMENTAL SCIENCE

Stack emissions tests were conducted by ENGE, INC.on BRYANT BOILER #2 on JAN. 24, 1974

Run No.	Particulate Emissions (lbs/hr.)	Steam Generated (lbs/hr.)	Oil Used (lbs/hr.)
1	47.8	126,750	1000
2	68.3	129,800	1000
Average	58.1	128,300	1000

$$58.1 \times \frac{150,000}{128,300} = 67.9 \text{ lbs/hr. ANTICIPATED PARTICULATE EMISSIONS @ PROP. RATE OF } 15.0 \times 10^4 \text{ lb/hr STEAM}$$

$$\frac{67.9 \times 24 \times 150}{2000} = 122.3 \text{ Tons/yr Particulates}$$

SO₂ emissions calculated from following formula:
(Dept. H.E.W. Pub. No. AP-52, p. 106)

Lbs. S per 1000 gals. oil burned = 158.8 x %S content of oil

$$\frac{1000 \text{ lbs/hr oil}}{1000 \times 8.0 \text{ lbs/gal}} \times 158.8 \times 2.4 = 47.6 \text{ lbs/hr SO}_2$$

$$47.6 \times 24 = 1143 \text{ lbs/day SO}_2 \quad \frac{1143 \times 150}{2000} = 85.7 \text{ tons/yr}$$

NO_x emissions were calculated from the following formulae:
(PHS Pub. No. 999-AP-29)

$$\text{For No. } 6 \text{ Oil } \text{NO}_x = 104 \text{ lbs./1000 gal.}$$

$$\text{For Bagasse } \text{NO}_x = 0.3 \text{ lb./10}^6 \text{ Btu Heat Input}$$

$$\frac{1000}{8.0 \text{ lbs/gal}} = 125 \text{ gal/hr Oil}$$

$$\text{NO}_x \text{ (Oil)} = \frac{125}{1000} \times 104 = 13.0 \text{ lbs/hr} \times 24 = 312 \text{ lbs/day}$$

$$\text{NO}_x \text{ (Bagasse)} = 75,690 \times 3,600 = 272.5 \times 10^6 \text{ Btu/hr.}$$

$$\frac{272.5}{10^6} \times 0.3 = 81.7 \text{ lbs/hr. NO}_x$$

$$\text{Total NO}_x = 13.0 + 81.7 = 94.7 \text{ lbs/hr.}$$

$$\frac{(13.0) \times 24 \times 150}{2000} = 23.4 \text{ tons/yr NO}_x \text{ from Oil}$$

$$\frac{(81.7) \times 24 \times 150}{2000} = 147.1 \text{ tons/yr NO}_x \text{ from Bagasse}$$

$$23.4 + 147.1 = 170.5 \text{ tons/yr NO}_x \text{ Total}$$

Calculation of Allowable Particulate Emissions

Criteria for Allowable Particulates:

Bagasse 0.3 lbs per 10^6 Btu of Heat InputOil 0.1 lbs per 10^6 Btu of Heat InputHeat Input from Bagasse = $\frac{272.5 \times 10^6}{(81.8)}$ Btu/hr.Heat Input from Oil = $\frac{18.5 \times 10^6}{(1.8)}$ Btu/hr.
$$\left(\frac{272.5}{(81.8)} \times 0.3 \right) + \left(\frac{18.5}{(1.8)} \times 0.1 \right) = \underline{83.6} \text{ lbs/hr. Allowable Particulate Emission}$$

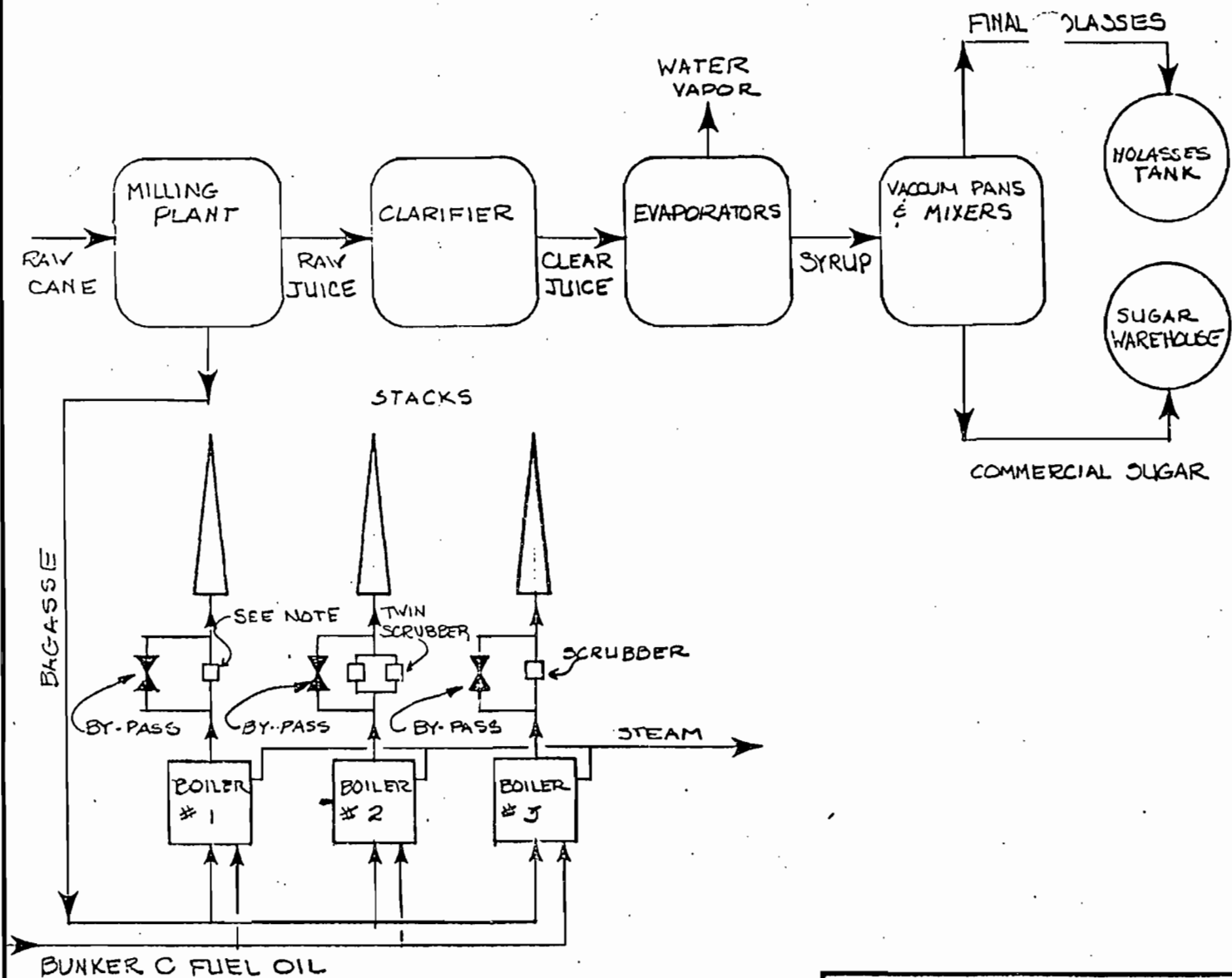
Item E Calculation of Scrubber Efficiency

Inlet particulate loading to the scrubber was calculated utilizing emissions test results performed on BRYANT BOILER #1 which is of similar design.

Test No. 38 Date 3-12-74 808 lbs/hr.Test No. 39 Date 3-12-74 499 lbs/hr.

Test No. _____ Date _____ _____ lbs/hr.

Average _____ 654 lbs/hr.Average emissions from Scrubber 67.9 lbs/hr.
(ANTICIPATED)Scrubber Efficiency = $\frac{654 - 67.9}{654} \times 100$ = 89.6 %

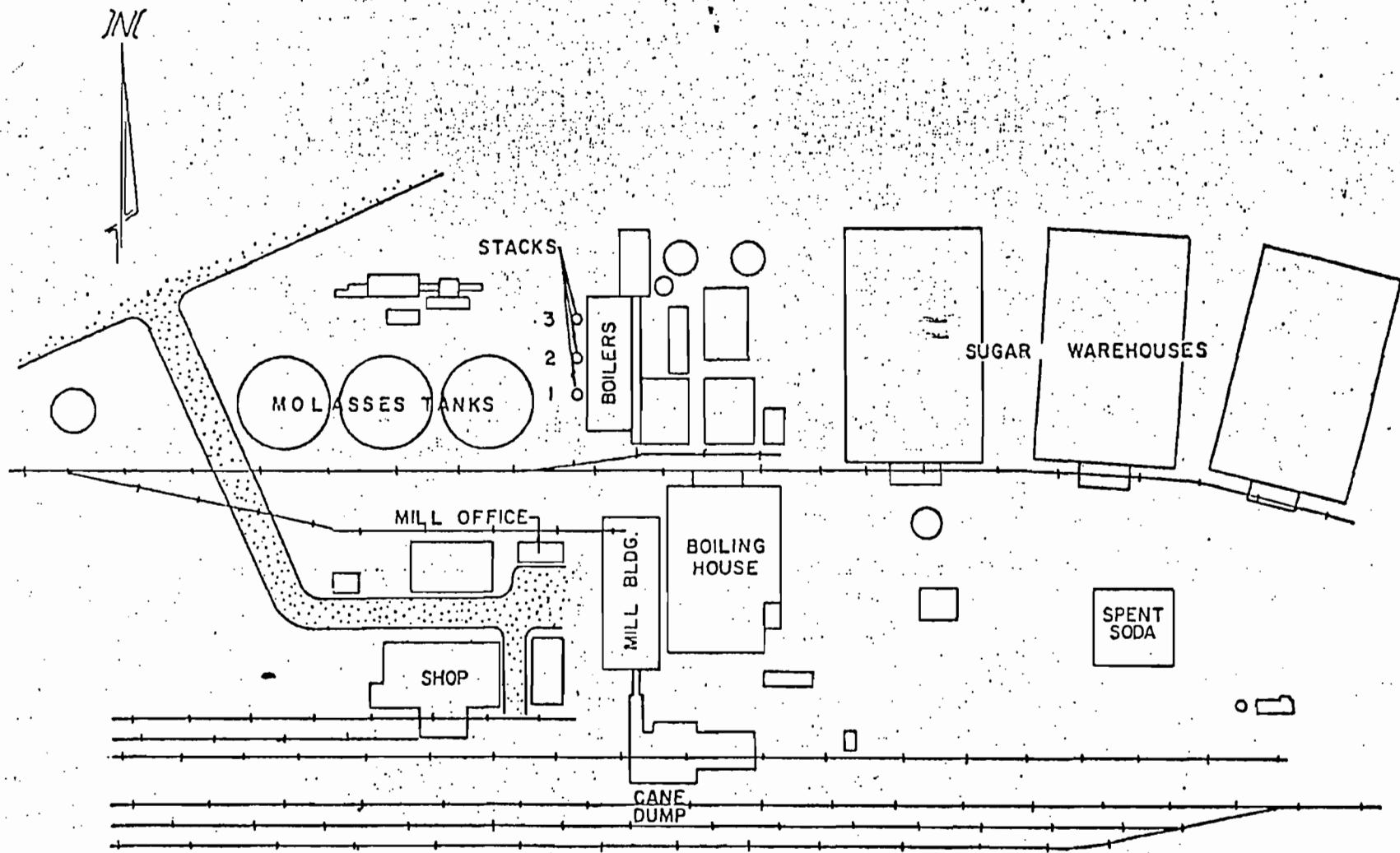


NOTE:

SCRUBBER ON #1 BOILER MAY BE AS ON #2 BOILER INSTEAD OF AS SHOWN

Division of Environmental Health
 PALM BEACH COUNTY
 HEALTH DEPT.
 RECEIVED
 11/1/74

KLEEMAN ENGINEERING, INC. 1507 NW 47 AVE. Ft. Lauderdale, Fla. 33313		
SCALE: None	APPROVED BY:	DRAWN BY R.L.
DATE: 4/12/74		REVISED
SCHEMATIC PROCESS FLOW DIAGRAM U.S. Sugar Corporation - Bryant Mill - Bryant, Fla.		
Project Number(s) 03-74-0147 & 0148		DRAWING NUMBER



PLOT PLAN
U.S. SUGAR CORP.
BRYANT, FLORIDA

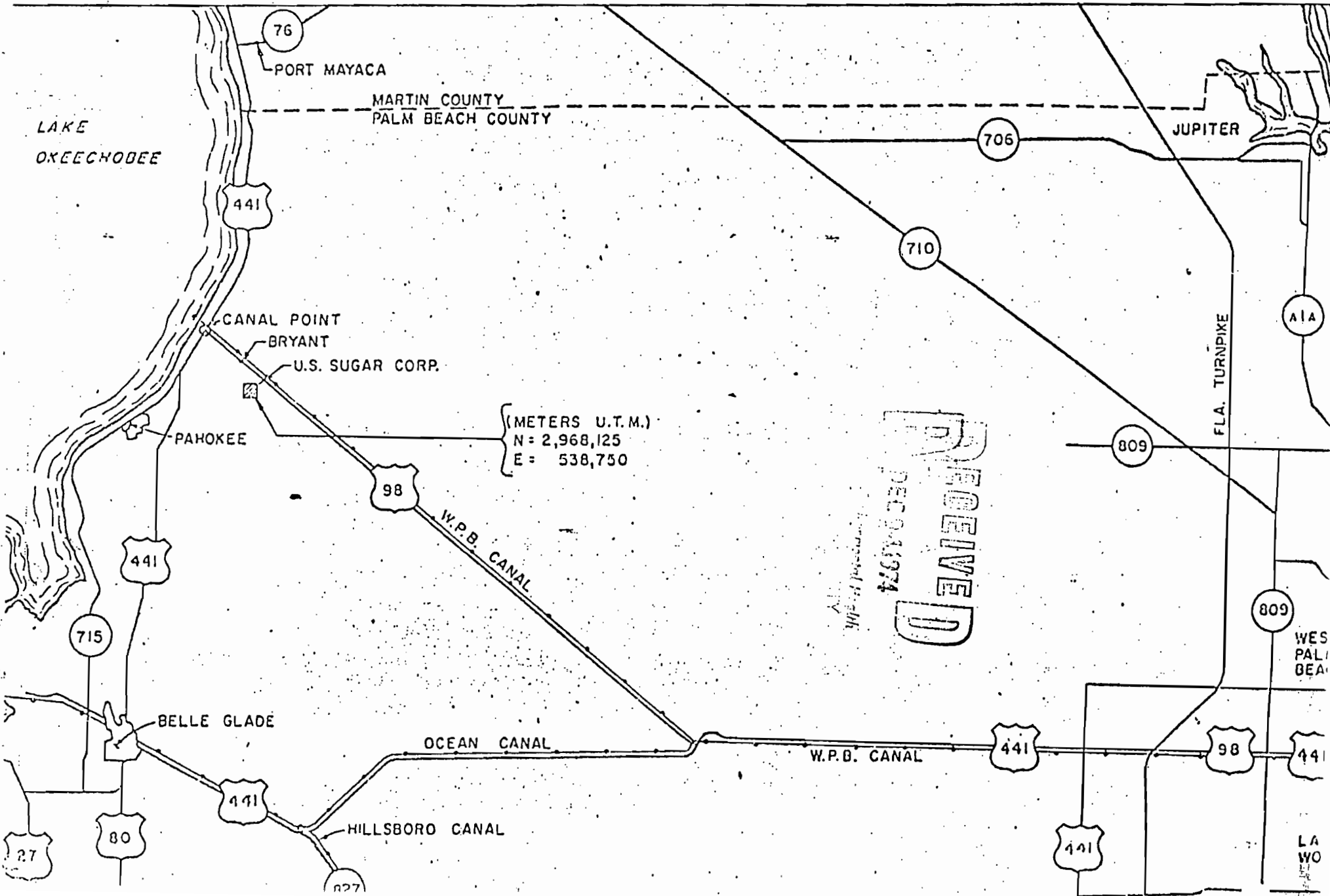
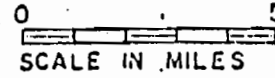
APPROVED
1971

BEST AVAILABLE COPY

U.S. SUG. CORP.

BRYANT, FLORIDA

LOCATION OF U.S. SUGAR CORP. WITH
RESPECT TO SURROUNDING AREA



STATEMENTS BY APPLICANT AND ENGINEER

A. Applicant

The undersigned owner or authorized representative of * U. S. Sugar Corp.
is fully aware that the statements made in this application for a Construct permit are
true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and
operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter
403 Florida Statutes and all the rules and regulations of the Department or revisions thereof. He also understands that a
permit, if granted by the Department, will be non-transferable and he will promptly notify the Department upon sale or
legal transfer of the permitted establishment.

A. R. Mayo

Signature of the Owner or Authorized Representative

A. R. Mayo, Vice President

Name and Title (Please Type)

Date: November 25, 1974 Telephone No.: (813) 983-8121

* Attach a letter of authorization

B. Professional Engineer Registered in Florida:

This is to certify that the engineering features of this pollution control project have been designed/examined by me and
found to be in conformity with modern engineering principles applicable to the control and discharge of pollutants
characterized in the permit application. There is reasonable assurance, in my professional judgment, that the pollution
source(s) with appropriate control facilities, when properly maintained and operated, will comply with all applicable
statutes of the State of Florida and the rules and regulations of the Department. It is also agreed that the undersigned
will furnish the applicant a set of instructions for the proper maintenance and operation of the installation covered in
this application.

Signature Frank S. Kleeman

Mailing Address: Kleeman Engineering, Inc.
1507 N.W. 47th Ave.
Ft. Lauderdale, Fla. 33319

Name: Frank S. Kleeman, P.E.
(please type)

Telephone No.: (305) 731-9121

Florida Registration Number 13622
(Please affix seal)

Date: November 25, 1974

DEPARTMENT OF
NATURAL RESOURCES
WATER POLLUTION CONTROL
DIVISION
TALLAHASSEE, FLORIDA



BEST AVAILABLE COPY
STATE OF FLORIDA
DEPARTMENT OF POLLUTION CONTROL
3201 GOLF COURSE BOULEVARD
PUNTA GORDA, FLORIDA 33950

PETER P BALJET
EXECUTIVE DIRECTOR

May 29, 1974

DAVID H. LEVY
CHAIRMAN

Mr. A. R. Mayo, V.P.
U.S. Sugar Corp.
Post Office Box 1207
Clewiston, Fl. 33440

RE: Palm Beach Co. - AP
U.S. Sugar - Bryant
Boiler #2

Dear Mr. Mayo:

Pursuant to your recent application, please find enclosed a permit (No.AC50-2042A) dated 5-28-74 to construct the subject pollution source.

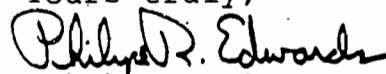
This permit will expire on 7-1-75 , and will be subject to the conditions, requirements and restrictions checked or indicated otherwise in the attached sheet construction "Permit Conditions".

This permit is issued under the authority of Florida Statutes 403.016(16). The time limits imposed herein are a condition to this permit and are enforceable under Florida Statute 403.161. You are hereby placed on Notice that the Department will review this permit before the scheduled date of expiry and will seek court action for violation of the conditions and requirements of this permit.

You have ten (10) days from the date of receipt hereof within which to seek a review of the conditions and requirements contained in this permit.

Your continued cooperation in this matter is appreciated, and in future communication please refer to your permit number.

PRE/TWD/jp
Encls.

Yours truly,

Philip R. Edwards,
Regional Administrator

cc: Palm Beach CHD
Mr. Frank Kleeman
DPC - Tallahassee

STATE OF FLORIDA
DEPARTMENT OF POLLUTION CONTROL

CONSTRUCTION PERMIT

FOR U.S. SUGAR CORPORATION
POST OFFICE BOX 1207
CLEWISTON, FLORIDA 33440

PERMIT NO. AC50-2042A DATE 5-28-74

PURSUANT TO THE PROVISION OF SECTION 403.061(16) OF CHAPTER 403, FLORIDA STATUTES, AND CHAPTER 17-4, FLORIDA ADMINISTRATIVE CODE, THIS PERMIT IS ISSUED TO:
MR. A. R. MAYO, VICE PRESIDENT

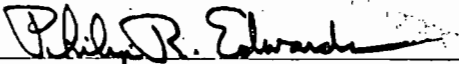
FOR THE CONSTRUCTION OF:
TWO JOY TURBULAIRE SCRUBBERS, TYPE D, SIZE 40 FOR BOILER #2

LOCATED AT: U.S. ROUTE 98, BRYANT, PALM BEACH COUNTY
UTM EAST 7,538,750 NORTH 2,968,125

IN ACCORDANCE WITH THE APPLICATION DATED 4-22-74

AND IN CONFORMITY WITH THE STATEMENTS AND SUPPORTING DATA ENTERED THEREIN, ALL OF WHICH ARE FILED WITH THE DEPARTMENT AND ARE CONSIDERED A PART OF THIS PERMIT.

THIS PERMIT SHALL BE EFFECTIVE FROM THE DATE OF ITS ISSUANCE UNTIL 7-1-75 AND SHALL BE SUBJECT TO ALL APPLICABLE LAWS OF THE STATE AND THE RULES AND REGULATIONS OF THE DEPARTMENT.


PHILIP R. EDWARDS,
REGIONAL ADMINISTRATOR

PETER P. BALJET,
EXECUTIVE DIRECTOR

STATE OF FLORIDA

DEPARTMENT OF POLLUTION CONTROL

CONSTRUCTION PERMIT PROVISOS

AIR POLLUTION SOURCES

Permit No. A050-2042A

Date: 5-28-74

- [X] 1. Construction of this installation shall be completed by 5-4-75
- [X] 2. This construction permit expires on 7-1-75 following an initial period of operation for appropriate testing to determine compliance with the Rules of the Florida Pollution Control Board.
- [X] 3. All applicable rules of the Department including design discharge limitations specified in the application shall be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations prior to construction.
- [X] 4. The applicant shall continue the retention of the engineer of record for the inspection of the construction of this project. Upon completion the engineer shall inspect for conformity to construction permit applications and associated documents. A report of such inspection shall be submitted by the engineer to the Department of Pollution Control for consideration toward the issuance of an operation permit.
- [X] 5. This scrubbers shall be tested for particulates within * days after it is placed in operation. These test results are required prior to our issuance of an operation permit and shall be submitted in duplicate to the DPC Southwest Florida Regional Office 3201 Golf Course Blvd., Punta Gorda, Florida 33950
-
- [] 6. The operation of this installation shall be observed for visible emissions in accordance with Method 9 - Visible Determination of the Opacity of Emissions from Stationary Sources (Federal Register, December 23, 1971). The observation results are required prior to our issuance of an operation permit, and shall be submitted in duplicate to the DPC Florida Regional Office,
-
- [] 7. Stack sampling for total particulate or other contaminant emissions shall be conducted if found by the DPC Florida Regional Office to be necessary as a basis for the issuance of an operation permit.
- [X] 8. Satisfactory ladders, platforms, and other safety devices shall be provided/available as well as necessary ports to facilitate the carrying out of an adequate sampling program.

- [] 9. The following items are required prior to our issuance of an operation permit in addition to the engineer of record's report of inspection:
- (a) An emission report for total particulates and sulfur oxides based upon actual operations.
 - (b) A tabular summary of actual records of frequencies and durations of soot blowing as well as boiler blowdown characteristics and disposal practices.

These items are required prior to our issuance of an operation permit and shall be submitted in duplicate to the DPC _____
Florida Regional Office, _____

- [] 10. There shall be no discharges of liquid effluents or contaminated runoff from the plant site.
- [x] 11. All fugitive dust generated at this site shall be adequately controlled.
- (X) 12. Provisions shall be made to enable an accurate determination of bagasse and oil feed rates to be ascertained.

* It is requested that a particulate stack test be performed, using the appropriate Department procedure, during the 1974-1975 processing season.



60th
JUL 28 1974

PERMIT BY
SOUTHWEST REGION
DEPT. OF POLLUTION CONTROL
PERMIT NO. AC50-2012A
DATE 5/28/74

STATE OF FLORIDA
DEPARTMENT OF POLLUTION CONTROL

PAID MAY 28 1974
RECEIVED

MAY 25 1974

APPLICATION TO OPERATE/CONSTRUCT POLLUTION SOURCES

SECTION I - GENERAL INFORMATION FOR ALL POLLUTION SOURCES
I TO BE FILLED IN BY APPLICANT

REGION 3
RECEIVED

Source Type: Air Pollution
Type application: Operation [] Temporary Operation [] Construction
Status Source: [] New [x] Existing [] Modification

MAY - 2 1974

S. W. REGION 3

Source Name: U.S. Sugar Corp. Bryant Mill Boiler #2 County: Palm Beach
Mfg. by Riley Stoker Corp. Serial No. 3429
Source Location: Street: U.S. Route 98 City: Bryant
(Water Source Only) Lat: _____ ° _____ ' _____ " Long: _____ ° _____ ' _____ "
(Air Source Only) UTM: East 7538750 North 2968125

Appl. Name and Title: A.R. Mayo, Vice President
Appl. Address: U.S. Sugar Corp. P.O. Box 1207 Clewiston, Fla. 33440

II TO BE FILLED IN BY REGION (*BY BUREAU OF PERMITTING)

Control No: _____ Region _____ County _____ Type _____ *Project _____

Type Permit	Date Rec'd	*Permit No.	*Issue Date	*Compl. Date	*Exp. Date
_____	_____	_____	_____	_____	_____

Source Description: _____
Control Equipment: _____

Water Permits

Receiving Body Code: _____ Surface Water Code: _____
Station No.: Influent: _____ Effluent: _____

Effluent:	Average	Design	% Reduction
Flow rate, MGD	_____	_____	_____
BOD, lbs/day	_____	_____	_____
Susp. Sol., lbs/day	_____	_____	_____
Other: _____	_____	_____	_____

Air Permits

Operating Time: [] Continuous [] Intermittent
Fuel: Type _____ M-BTU/hr. In Put _____
Incinerator: Capacity, tons/day _____ Type Waste _____
Mfg. & Model _____

If applicant is a corporation, a Certificate of Good Standing must be submitted with application.
This may be obtained, for a \$5.00 charge, from the Secretary of State, Bureau of Corporate Records, Tallahassee, Florida 32304.

Pollutant Emissions, lbs/day	Actual	Design	
Particulate	_____	_____	_____
Sulfur Oxides	_____	_____	_____
Other: _____	_____	_____	_____

Implementation: Estimated Appl. Filing Date _____
Estimated Start of Const. _____ Estimated Compliance Date _____

DESCRIPTION OF PROPOSED PROJECT

- A. Describe the nature and extent of the proposed project. Refer to existing pollution control facilities, DPC permits, conditions, orders and notices, expected improvement in performance of the facilities and state whether the proposed project will result in full compliance of the source. Attach additional sheet if necessary.

Pollution control facility consists of twin Joy Mfg. Co. Turbulaire
impingement-type scrubbers, Size 40, Type D. These scrubbers are the same type as
the ones operated with the #2 Boiler at the U.S. Sugar Corp. Clewiston Mill
during the 1972-73 sugar cane processing season. A by-pass is provided for
emergency use only, such as for cleaning due to plugging of the scrubber.

Stack tests indicate that the facility will provide full compliance of the
source with the new DPC Emission Standards for Bagasse Boilers.

- B. Schedule of Project Covered in this Application (Construction Permit Application Only).

Federally or State Financed Projects only:

Planning Complete NA.

Financing Program Complete _____

Indicate other local, state and/or federal agency approvals and dates _____

All projects:

Start of Construction 9-1-73

Completion of Construction 10-31-73

- C. Costs of Construction (Show a breakdown of costs for individual components/units of the proposed project serving pollution control purpose only). Information on actual costs shall be furnished with the application for operation permit.

Total Actual Cost - Scrubbers plus installation \$71,996.07

- D. Indicate any previous DPC permits, issuance dates, and expiration dates.

This boiler is operating under Permit No. AO 50-2042, issued 5-22-73
and expiring on 7-1-75

AIR POLLUTION SOURCES & CONTROL DEVICES

A. Identification of Air Contaminants

- 1) Particulates
 - a) Dust
 - b) Fly Ash
 - c) Smoke
 - d) Other (Identify)
- 2) Sulfur Compounds
 - a) SO_x as SO₂
 - b) Reduced Sulfur as H₂S
 - c) Other (Identify)
- 3) Nitrogen Compounds
 - a) NO_x as NO₂
 - b) NH₃
 - c) Other (Identify)
- 4) Fluorides
- 5) Acid Mist
- 6) Odor
- 7) Hydrocarbons
- 8) Volatile Organic Compounds
- 9) Other (Specify): _____

B. Raw Materials and Chemicals Used (Be Specific)

Description	Utilization Tons/day, lbs./day, etc.	Approximate Contaminant Content		Relate to Flow Diagram
		Type	% Wt.	
Bagasse	64,000 lbs/hr	-	-	A
No. 6 Fuel Oil	1000 lbs/hr	S	2.4	B

C. Process Weight:

- 1) Total Process Weight Rate 65,000 lbs./hr. [See Sec. 17-2.04(2)]
- 2) Product Weight 128,300 lb./hr. expressed as Steam
- 3) Normal Operating Time 24 hrs per day, if seasonal describe: Approx. 150 days/yr
(Nov. 1 thru March 31)

D. Airborne Contaminants Discharged:

Name of Contaminant	Actual Discharge	Discharge Criteria*	Allowable Discharge*	Relate Location to Flow Diagram
Particulates	58.1 lbs/hr 104.6 tons/yr	Btu Std.	71.0	C
SO ₂	47.6 lbs/hr 85.7 tons/yr	N.A	N A	C
NO _x	82.4 lbs/hr 147.8 tons/yr	N.A	N A	C

* Refer to Chapter 17-2 Florida Administrative Code
(Discharge Criteria: Process Weight Rate, #/tonP₂O₅, #/M BTU/hr, etc.)

E. Control Devices:

Name	Eff.	Conditions of Operation, Particle Size Range, etc.	Relate to Flow Diagram
Twin Joy Turbulaire Impingement			
Scrubbers, Model No. (Type) D	91%	65% 10 microns & up	G
Serial No. 73-381-04		35% under 10 microns	

F. Fuels:

Type (Be specific)	Daily Consumption		Heat Input BTU/hr.	Relate to Flow Diagram
	*	**		
Bagasse	718 T/Day Range 0 - 920	897 T/Day - 920	269 x 10 ⁶	A
Fuel Oil No. 6	4400 lbs/day Range 0 - 56,000	5500 lbs/day - 56,000	4.24 x 10 ⁶	B

G. Describe briefly, without revealing trade secrets, the unit processes/operations generating the airborne emissions identified in this application:

See Addendum Sheets and Process Flow Diagram

H. Indicate liquid or solid wastes generated and method of disposal.

Scrubber water is used to sluice cane juice mud, which is impounded in settling ponds.

* At design capacity (120,000 lbs/hr steam)

** At operating capacity (150,000 lbs/hr steam)

STATEMENTS BY APPLICANT AND ENGINEER

A. Applicant

The undersigned owner or authorized representative of * U.S. Sugar Corp. is fully aware that the statements made in this application for a Operate permit are true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter 403 Florida Statutes and all the rules and regulations of the Department or revisions thereof. He also understands that a permit, if granted by the Department, will be non-transferable and he will promptly notify the Department upon sale or legal transfer of the permitted establishment.

A. R. Mayo

Signature of the Owner or Authorized Representative

A. R. Mayo, Vice President

Name and Title (Please Type)

Date: April 22, 1974 Telephone No.: (813) 983-8121

* Attach a letter of authorization

B. Professional Engineer Registered in Florida:

This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the control and discharge of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that the pollution source(s) with appropriate control facilities, when properly maintained and operated, will comply with all applicable statutes of the State of Florida and the rules and regulations of the Department. It is also agreed that the undersigned will furnish the applicant a set of instructions for the proper maintenance and operation of the installation covered in this application.

Signature Frank S. Kleeman

Kleeman Engineering, Inc.
1507 N.W. 47th Ave.
Ft. Lauderdale, Fla. 33313

Mailing Address: 1507 N.W. 47th Ave.
Ft. Lauderdale, Fla. 33313

Name: Frank S. Kleeman, P.E.
(please type)

Telephone No.: (305) 731-9121

Florida Registration Number 13622
(Please affix seal)

Date: April 19, 1974

FOR
AIR POLLUTION SOURCES

Listed below are clarifications of some of the information required on the application form. All information submitted must be in the format outlined below. Space is also provided below for additional information not contained in the original form.

AIR POLLUTION SOURCES & CONTROL DEVICES:

Item: C 1) Show the derivation of process weight.

Item: C 3) Normal operating time must be given as Hrs/Day, Days/Week and Weeks/Year.

If seasonal, give % operation by month.

Contaminants must include but not limited to: particulate matter, sulfur oxides, carbon monoxide, hydrocarbons and nitrogen oxides. This information must be submitted even though an applicable standard may not exist.

Also give actual discharge of each contaminant in lbs/hr and tons/yr.

Item: E In the space provided for Name, give model number and serial number of control device.

On separate page, give basis for efficiency on the process, i. e. calculations, (Do not give a general efficiency).

Item: F Include the commercial standard number of fuel oil and % sulfur, e.g. No. 6 fuel oil with 2.5% sulfur.

In the space provided for daily consumption, give mean and extremes.

Heat input must be the design capacity.

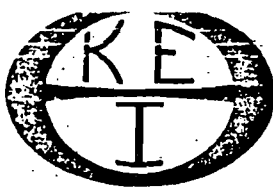
If application is for boiler, include manufacturer, model no. and serial no. Riley Stoker Co.

3429

ADDITIONAL INFORMATION REQUIRED:

1. Flow diagram of process (without revealing trade secrets)
2. Plot plan
3. Stack data:

Height (ft.): 65
Diameter (ft.): 5.4
Temperature (°F): 160 (exit)
Flow Rate (ft/min.) 3490 at 30" Hg.

*Kleeman Engineering, Inc.*CHEMICAL & ENVIRONMENTAL
ENGINEERS*Frank S. Kleeman, P.E. - Pres.**R. Lynn Peyton - V. Pres.*

305/731-

305/731-0

ADDENDUM CALCULATIONS
APPLICATION FOR PERMIT TOOPERATEFOR: U.S. SUGAR CORP.
BRYANT MILL BOILER #2

Item C-1 Derivation of Process Weight

Fuel Oil Burned (No. 6) 1000 lbs./ hr.Bagasse Burned 64,000 lbs./hr.

Calculated on Btu basis as follows:

Steam Generated 128,300 lbs/hr.Btu Value of Steam 1067 Btu/lb.Btu Value of Fuel Oil 18,500 Btu/lb.Furnace Efficiency 55 %Btu Value of Bagasse 3600 Btu/lb.Heat Output = 128,300 x 1067 = 136.9 x 10⁶ Btu/Heat Input = 136.9 x 10⁶ = 248.9 x 10⁶ Btu/Heat Input from Oil = 1000 x 18,500 = 18.5 x 10⁶ Btu/Heat Input from Bagasse = 248.9 x 10⁶ - 18.5 x 10⁶ = 230.4 x 10⁶ Btu/Bagasse Burned = 230,400,000 / 3600 = 64,000 Lbs/hr.Total Process Weight = 1000 + 64,000 = 65,000 Lbs/Bagasse Burned Daily = 64,000 x 24 / 2000 = 768 Tons/dayOil Burned Daily = 1000 x 24 / 2000 = 12.0 Tons/day

Item D Emission Calculations

Stack emissions tests were conducted by ENVIRONMENTAL SCIENCE & ENG., INC. on BRYANT BOILER #2 on JAN. 24, 1974.

Run No.	Particulate emissions (lbs/hr.)	Steam Generated (lbs/hr.)	Oil	
			Used (lbs/hr.)	Generated (lbs/hr.)
<u>1</u>	<u>47.8</u>	<u>126,750</u>	<u>1000</u>	
<u>2</u>	<u>68.3</u>	<u>129,800</u>	<u>1000</u>	
Average	<u>58.1</u>	<u>128,300</u>	<u>1000</u>	

$$\frac{58.1 \times 24 \times 150}{2000} = 104.6 \text{ Tons/yr Particulates}$$

SO₂ emissions calculated from following formula:
(Dept. H.E.W. Pub. No. AP-52, p. 106)

Lbs. S per 1000 gals. oil burned = 158.8 x %S content of oil

$$\frac{1000 \text{ lbs/hr oil}}{1000 \times 8.0 \text{ lbs/gal}} \times 158.8 \times 2.4 = 47.6 \text{ lbs/hr SO}_2$$

$$47.6 \times 24 = 1143 \text{ lbs/day SO}_2 \quad \frac{1143 \times 150}{2000} = 85.7 \text{ tons/yr}$$

NO_x emissions were calculated from the following formulae:
(PHS Pub. No. 999-AP-29)

For No. 6 Oil NO_x = 104 lbs./1000 gal.

For Bagasse NO_x = 0.3 lb./10⁶ Btu Heat Input

$$\frac{1000}{8.0 \text{ lbs/gal}} = 125 \text{ gal/hr Oil}$$

$$\text{NO}_x \text{ (Oil)} = \frac{125}{1000} \times 104 = 13.0 \text{ lbs/hr} \times 24 = 312 \text{ lbs/day}$$

$$\text{NO}_x \text{ (Bagasse)} = \frac{64,000}{3600} \times 3600 = 230.4 \times 10^6 \text{ Btu/hr.}$$

$$230.4 \times 0.3 = 69.1 \text{ lbs/hr. NO}_x$$

$$\text{Total NO}_x = 13.0 + 69.1 = 82.1 \text{ lbs/hr.}$$

$$\frac{(13.0) \times 24 \times 150}{2000} = 23.4 \text{ tons/yr NO}_x \text{ from Oil}$$

$$\frac{(69.1) \times 24 \times 150}{2000} = 124.4 \text{ tons/yr NO}_x \text{ from Bagasse}$$

$$23.4 + 124.4 = 147.8 \text{ tons/yr NO}_x \text{ Total}$$

CALCULATION OF ALLOWABLE PARTICULATE EMISSIONS

Allowable Particulates:

0.3 lbs. per 10⁶ BTU of Heat Input from Bagasse
0.1 lbs. per 10⁶ BTU of Heat Input from Oil

Heat Input (bagasse) 230.4 x 10⁶ BTU per hour
Heat Input (oil) 18.5 x 10⁶ BTU per hour

$$\left(\frac{23.4}{69.1} \times 0.3 \right) + \left(\frac{18.5}{1.9} \times 0.1 \right) = \frac{71.0}{\text{}} \text{ lbs./hr. Allowable Particulate Emissions}$$

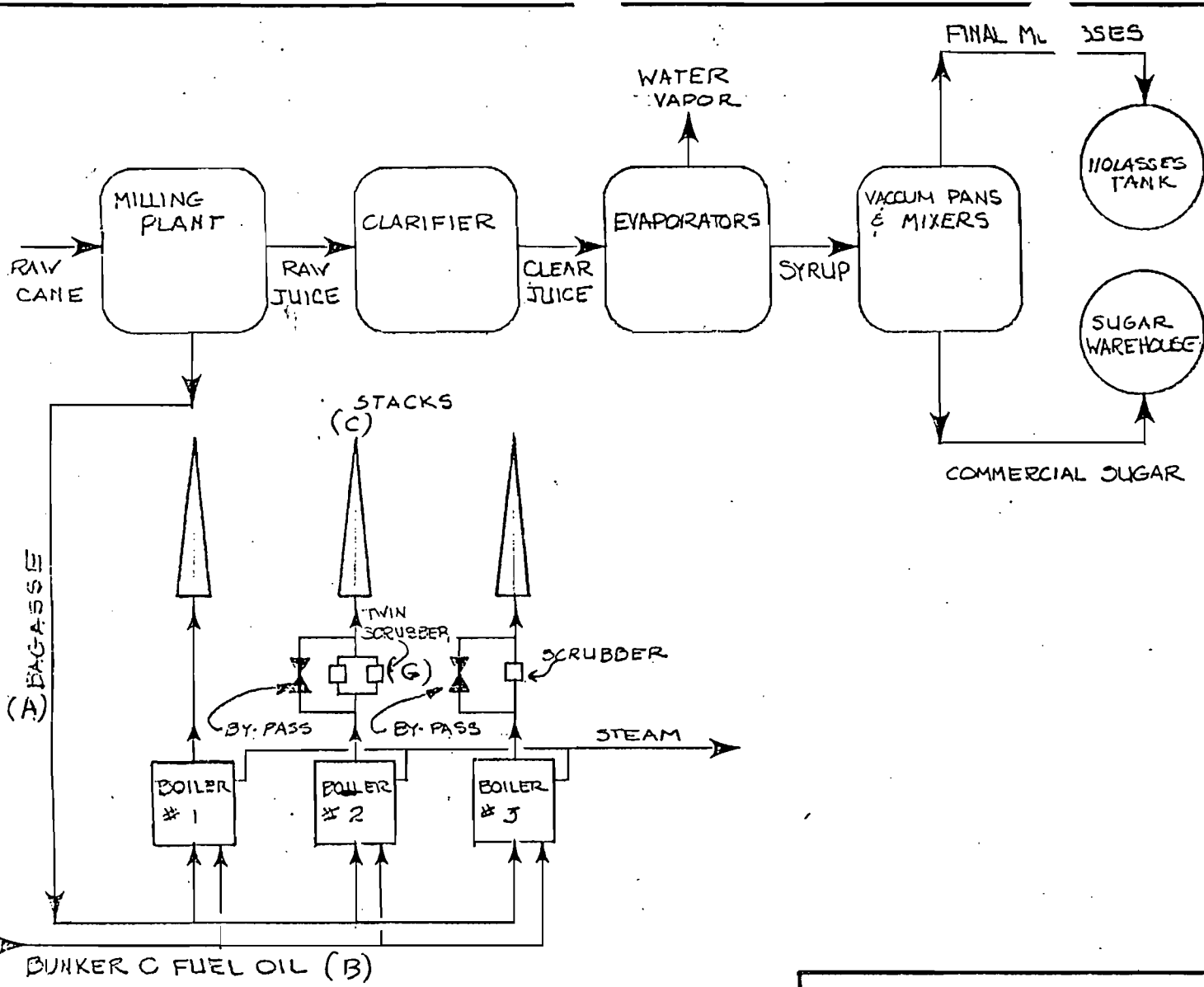
ITEM E

CALCULATION OF SCRUBBER EFFICIENCY

Inlet particulate loading to the scrubbers was calculated utilizing emission test results performed on BRYANT #1 BOILER which are similar in design capacity. Results of tests (see the attached report(s)) were as follows:

TEST #	<u>38</u>	During	<u>3-12-74</u>	<u>808</u>	lbs./hr.
TEST #	<u>39</u>	During	<u>3-12-74</u>	<u>499</u>	lbs./hr.
TEST #	_____	During	_____	_____	lbs./hr.
AVERAGE				<u>654</u>	lbs./hr.
AVERAGE EMISSIONS FROM SCRUBBERS				<u>58.1</u>	lbs./hr.

$$\text{Scrubber Efficiency} = \frac{654 - 58.1}{654} \times 100 = \underline{91\%}$$



KLEEMAN ENGINEERING, INC.
 1507 NW 47 AVE. Ft. Lauderdale, Fla. 33313

SCALE: None	APPROVED BY:	DRAWN BY R.L.P.
DATE: 4/12/74		REVISED

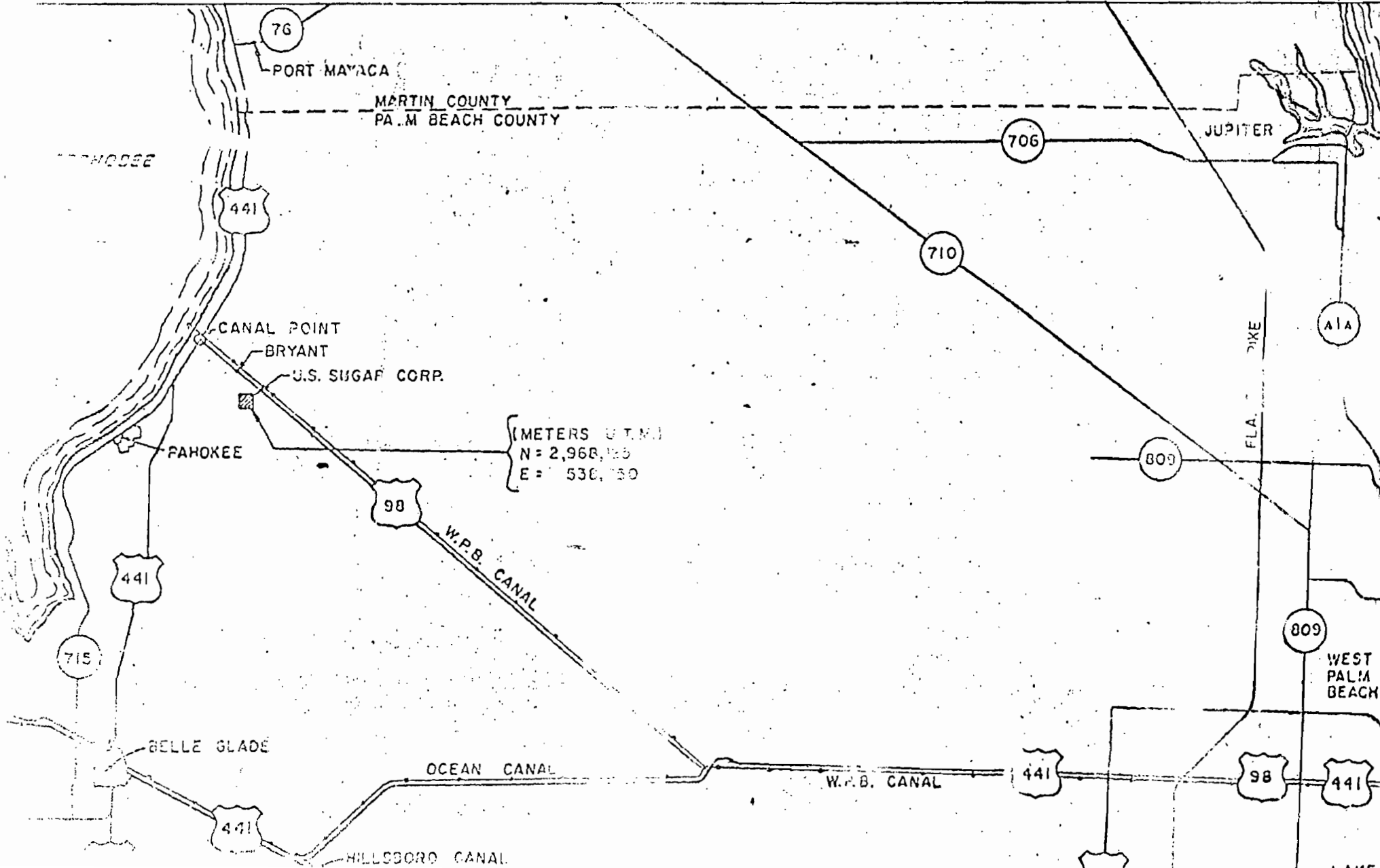
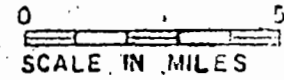
SCHEMATIC PROCESS FLOW DIAGRAM
 U.S. Sugar Corporation - Bryant Mill - Bryant, Fla.

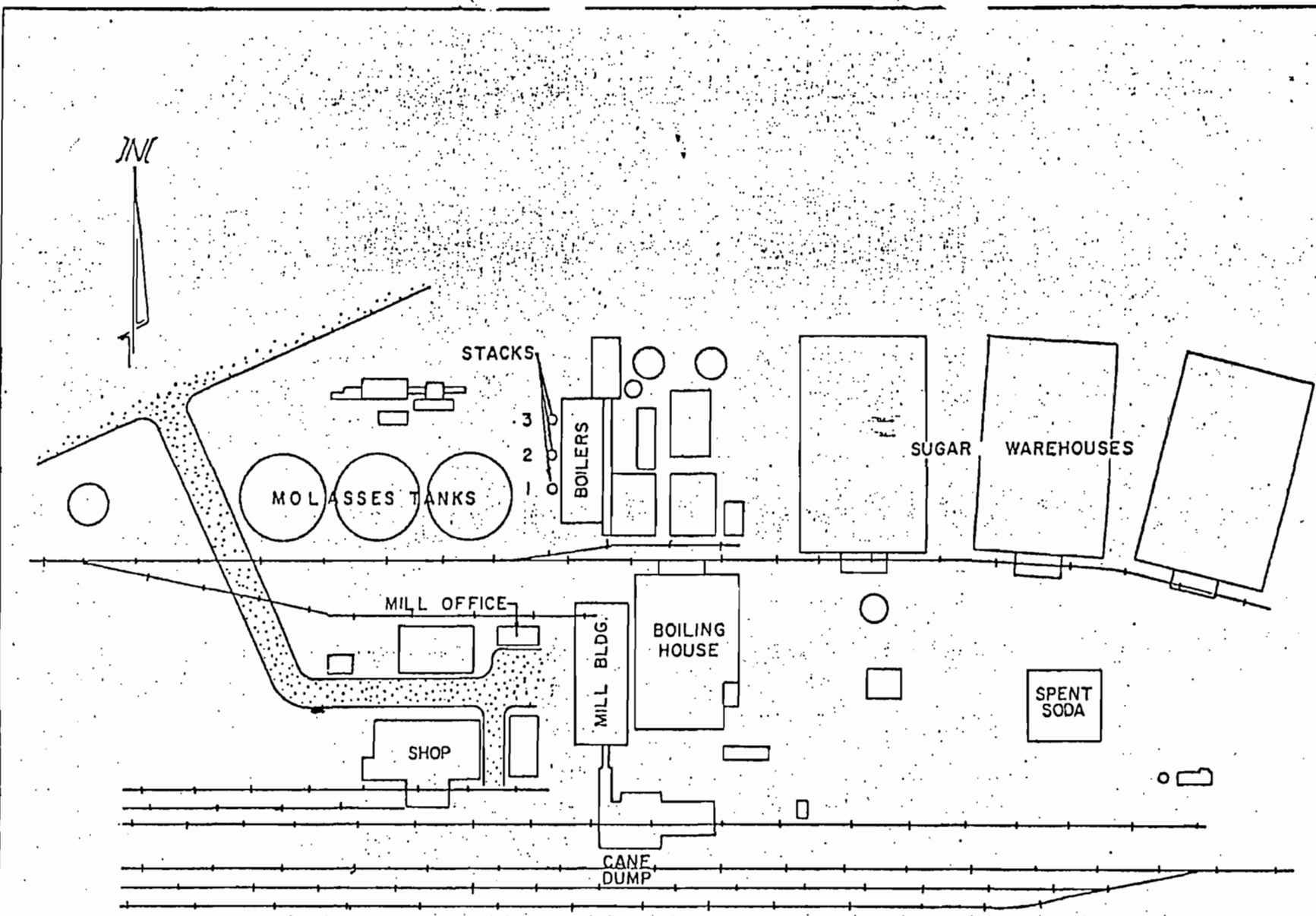
Project Number(s) 03-74-0147 & 0148	DRAWING NUMBER
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U.S. SUGAR CORP.
BRYANT, FLORIDA

LOCATION OF U.S. SUGAR CORP. WITH
RESPECT TO SURROUNDING AREA.





PLOT PLAN
U.S. SUGAR CORP.
BRYANT, FLORIDA

ENVIRONMENTAL PROTECTION AGENCY

APPLICATION FOR CERTIFICATION OF POLLUTION CONTROL FACILITY
(Pursuant to Section 169 of the Internal Revenue Code of 1954, as amended)

TO: REGIONAL ADMINISTRATOR (Region, Street, City, State, Zip Code):

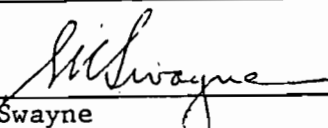
Region 4
1421 Peachtree Street, N. E.
Atlanta, Georgia 30309

THRU: APPROPRIATE STATE WATER OR AIR POLLUTION CONTROL AGENCY (Name of State Agency, Street, City, State, Zip Code):

Department of Pollution Control
Southwest Region
3201 Golf Course Boulevard
Punta Gorda, Florida 39950

Application is hereby made for certification of the pollution control facility described herein. The following information is submitted in accordance with provisions of Part 602 of Title 18 of the Code of Federal Regulations (Volume 36, Federal Register, page 9509, May 26, 1971) and to the best of my knowledge and belief is true and correct.

RECEIVED
DEC 9 1974
SW REGION DPC

<p>APPLICANT</p> <p>United States Sugar Corporation</p>	<p>DATE</p> <p>December 4, 1974</p>
<p>SIGNATURE</p> 	<p>STREET ADDRESS, CITY, STATE, ZIP CODE</p> <p>P. O. Drawer 1207 Clewiston, Florida 33440</p>
<p>TITLE</p> <p>S. K. Swayne</p> <p>Vice President & Treasurer</p>	<p>NOTE: READ ACCOMPANYING INSTRUCTIONS CAREFULLY PRIOR TO COMPLETING FORM.</p>

SECTION A - IDENTITY AND LOCATION OF CONTROL FACILITY

1. FULL BUSINESS NAME OF APPLICANT United States Sugar Corporation		2. TYPE OF OWNERSHIP <input type="checkbox"/> INDIVIDUAL <input type="checkbox"/> OTHER (Describe): <input type="checkbox"/> PARTNERSHIP <input checked="" type="checkbox"/> CORPORATION	
3. PERSON TO CONTACT REGARDING THIS APPLICATION (Name and Title) A. R. Mayo Vice President, Sugar Houses			TELEPHONE 813-983-8121
ADDRESS (Street, City, State, Zip Code) P. O. Drawer 1207, Clewiston, Florida 33440			
4. PERSON AUTHORIZED TO RECEIVE CERTIFICATION (Name and Title) S. K. Swayne Vice President & Treasurer			
ADDRESS (Street, City, State, Zip Code) P. O. Drawer 1207, Clewiston, Florida 33440			
5. BUSINESS NAME OF PLANT (If different from Item 1) (Street, City, State, Zip Code) United States Sugar Corporation Bryant Sugar House Bryant, Florida 33439			6. APPLICANT'S EMPLOYER IDENTIFICATION NO. 59-0490750

SECTION B - DESCRIPTION OF CONTROL FACILITY

1. DESCRIBE THE FACILITY FOR WHICH CERTIFICATION IS SOUGHT. INCLUDE TYPE OF EQUIPMENT, MANUFACTURER AND MODEL NUMBER. SUBMIT DESIGN CRITERIA, ENGINEERING REPORT AND/OR PERFORMANCE SPECIFICATIONS WHICH DESCRIBE FUNCTION AND OPERATION OF FACILITY:

Twin Western Precipitation Size 40, Type D Empingement Scrubber for Control of Particulate Emissions from Bagasse Boiler #2 (Bryant) - Collecting Efficiency 91%

2. IS FACILITY IN OPERATION? <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO	A. IF "YES" DATE FACILITY WAS PLACED IN OPERATION November 1973	B. IF "NO" DATE FACILITY IS EXPECTED TO BE PLACED IN OPERATION	3. IF FACILITY CONSISTS OF A BUILDING, IS IT EXCLUSIVELY FOR CONTROL OF POLLUTION? <input type="checkbox"/> YES <input type="checkbox"/> NO
---	--	--	--

SECTION C - DESCRIPTION OF COMMERCIAL PROCESS OR ACTIVITY

1. DESCRIBE PROCESS OR ACTIVITY IN CONNECTION WITH WHICH FACILITY IS OR WILL BE USED.

Control of Particulate Emission from Flue Gases of Bagasse Fired Boiler #2 at Bryant Sugar House.

RECEIVED
DEC 9 1974
SW REGION DPC

2. STANDARD INDUSTRIAL CLASSIFICATION (SIC) CODE NUMBER 2060	
3. DATE THAT EACH PLANT OR OTHER PROPERTY IN CONNECTION WITH WHICH FACILITY IS OR WILL BE USED, COMMENCED OPERATION	
PLANT OR PROPERTY	DATE
A. Bryant Sugar House	October 30, 1962
B.	
C.	



BEST AVAILABLE COPY
STATE OF FLORIDA

DEPARTMENT OF POLLUTION CONTROL

3201 GOLF COURSE BOULEVARD
PUNTA GORDA, FLORIDA 33950

PETER P. BALJET
EXECUTIVE DIRECTOR

DAVID H. LEVIN
CHAIRMAN

July 15, 1974

Mr. A.R. Mayo, Vice President
U. S. Sugar Corporation
P. O. Box 1207
Clewiston, Fla. 33440

Re: Palm Beach Co. - A.P.
U. S. Sugar Corp.
Boiler #3

Dear Mr. Mayo:

Pursuant to your recent application, please find enclosed a permit (No. AC50-2043A) dated 7/15/74 to construct the subject pollution source.

This permit will expire on 7/1/75, and will be subject to the conditions, requirements and restrictions checked or indicated otherwise in the attached sheet construction "Permit Conditions".

This permit is issued under the authority of Florida Statutes 403.016(16). The time limits imposed herein are a condition to this permit and are enforceable under Florida Statute 403.161. You are hereby placed on Notice that the Department will review this permit before the scheduled date of expiry and will seek court action for violation of the conditions and requirements of this permit.

You have ten (10) days from the date of receipt hereof within which to seek a review of the conditions and requirements contained in this permit.

Your continued cooperation in this matter is appreciated, and in future communication please refer to your permit number.

Yours truly,

Philip R. Edwards
Regional Administrator

PRE/mh

JOHN R. MIDDLEMAS
BOARD MEMBER

GEORGE RUPPEL
BOARD MEMBER

ALICE C. WAINWRIGHT
BOARD MEMBER

W. D. FREDERICK, JR.
BOARD MEMBER

STATE OF FLORIDA
DEPARTMENT OF POLLUTION CONTROL

CONSTRUCTION PERMIT

FOR U. S. Sugar Corporation
P. O. Box #207
Clewiston, Fla. 33440

PERMIT NO. AG50-2043A DATE 7/15/74

PURSUANT TO THE PROVISION OF SECTION 403.061(16) OF CHAPTER 403, FLORIDA STATUTES AND CHAPTER 17-4, FLORIDA ADMINISTRATIVE CODE, THIS PERMIT IS ISSUED TO:
Mr. A. R. Mayo, Vice President

FOR THE CONSTRUCTION OF:
Joy Turbulair Size 90 Type D Impingement Scrubber for
Boiler #3.

LOCATED AT: Bryant Sugar Mill, U.S. 98, Bryant, Fla.
UTM East 47538750 North 2968245

IN ACCORDANCE WITH THE APPLICATION DATED 4/22/74

AND IN CONFORMITY WITH THE STATEMENTS AND SUPPORTING DATA ENTERED THEREIN, ALL OF WHICH ARE FILED WITH THE DEPARTMENT AND ARE CONSIDERED A PART OF THIS PERMIT.

THIS PERMIT SHALL BE EFFECTIVE FROM THE DATE OF ITS ISSUANCE UNTIL 7/1/75 AND SHALL BE SUBJECT TO ALL APPLICABLE LAWS OF THE STATE AND THE RULES AND REGULATIONS OF THE DEPARTMENT.

Philip R. Edwards

Philip R. Edwards
Regional Administrator

Peter P. Baljet

Peter P. Baljet
EXECUTIVE DIRECTOR

STATE OF FLORIDA

DEPARTMENT OF POLLUTION CONTROL

CONSTRUCTION PERMIT PROVISOS

AIR POLLUTION SOURCES

Permit No. AC50-2043A

Date: 7/15/74

- [X] 1. Construction of this installation shall be completed by 11/1/74
- [X] 2. This construction permit expires on 7/1/75 following an initial period of operation for appropriate testing to determine compliance with the Rules of the Florida Pollution Control Board.
- [X] 3. All applicable rules of the Department including design discharge limitations specified in the application shall be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations prior to construction.
- [X] 4. The applicant shall continue the retention of the engineer of record for the inspection of the construction of this project. Upon completion the engineer shall inspect for conformity to construction permit applications and associated documents. A report of such inspection shall be submitted by the engineer to the Department of Pollution Control for consideration toward the issuance of an operation permit.
- [X] 5. This boiler shall be tested for particulates within 30 days after it is placed in operation. These test results are required prior to our issuance of an operation permit and shall be submitted in duplicate to the DPC Southwest Florida Regional Office 3201 Golf Course Blvd., Punta Gorda, Fla. 33950.
- [] 6. The operation of this installation shall be observed for visible emissions in accordance with Method 9 - Visible Determination of the Opacity of Emissions from Stationary Sources (Federal Register, December 23, 1971). The observation results are required prior to our issuance of an operation permit, and shall be submitted in duplicate to the DPC Florida Regional Office,
- [] 7. Stack sampling for total particulate or other contaminant emissions shall be conducted if found by the DPC Florida Regional Office to be necessary as a basis for the issuance of an operation permit.
- [X] 8. Satisfactory ladders, platforms, and other safety devices shall be provided/available as well as necessary ports to facilitate the carrying out of an adequate sampling program.

(TURN OVER)

[] 9. The following items are required prior to our issuance of an operation permit in addition to the engineer of record's report of inspection:

- (a) An emission report for total particulates and sulfur oxides based upon actual operations.
- (b) A tabular summary of actual records of frequencies and durations of soot blowing as well as boiler blowdown characteristics and disposal practices.

These items are required prior to our issuance of an operation permit and shall be submitted in duplicate to the DPC, Florida Regional Office,

- [X] 10. There shall be no discharges of liquid effluents or contaminated runoff from the plant site.
- [X] 11. All fugitive dust generated at this site shall be adequately controlled.
- (X) 12. Provisions shall be made to enable an accurate determination of bagasse and fuel oil feed rates.



PERMITTED BY SOUTHWEST REGION DEPT. OF POLLUTION CONTROL PERMIT NO. AC50-2043A DATE 7/15/74

If applicant is a corporation, a Certificate of Good Standing must be submitted with application.

This may be obtained, for a \$5.00 charge, from the Secretary of State, Bureau of Corporate Records, Tallahassee, Florida 32304.

STATE OF FLORIDA DEPARTMENT OF POLLUTION CONTROL

PAID MAY 14 1974

APPLICATION TO OPERATE/CONSTRUCT POLLUTION SOURCES

SECTION I - GENERAL INFORMATION FOR ALL POLLUTION SOURCES I TO BE FILLED IN BY APPLICANT

Source Type: Air Pollution Type application: [] Operation [] Temporary Operation [X] Construction Status Source: [] New [X] Existing [] Modification

MAY - 2 1974

Source Name: U. S. Sugar Corp. Bryant Mill Boiler #3 Mfg. by Riley Stoker Corp. Serial No. 3477 County: Palm Beach

Source Location: Street: U. S. Route 98 City: Bryant (Water Source Only) Lat: Long: (Air Source Only) UTM: East 7538750 North 2968125

60th Day SEP 12 1974

Appl. Name and Title: A. R. Mayo, Vice President Appl. Address: U. S. Sugar Corp., P. O. Box 1207, Clewiston, Fla, 33440

II TO BE FILLED IN BY REGION (*BY BUREAU OF PERMITTING)

Control No: Region County Type *Project

Table with 6 columns: Type Permit, Date Rec'd, *Permit No., *Issue Date, *Compl. Date, *Exp. Date

Source Description: Control Equipment:

Water Permits

Receiving Body Code: Station No.: Influent: Surface Water Code: Effluent:

Table with 4 columns: Effluent, Average, Design, % Reduction. Rows include Flow rate, MGD, BOD, lbs/day, Susp. Sol., lbs/day, Other.

Air Permits

Operating Time: [] Continuous [] Intermittent Fuel: Type Incinerator: Capacity, tons/day M-BTU/hr. In Put Type Waste

Table with 4 columns: Pollutant Emissions, lbs/day, Actual, Design, Allowable. Rows include Particulate, Sulfur Oxides, Other.

Implementation: Estimated Appl. Filing Date Estimated Start of Const. Estimated Compliance Date

DESCRIPTION OF PROPOSED PROJECT

A. Describe the nature and extent of the proposed project. Refer to existing pollution control facilities, DPC permits, conditions, orders and notices, expected improvement in performance of the facilities and state whether the proposed project will result in full compliance of the source. Attach additional sheet if necessary.

Pollution control facility consists of a Joy Mfg. Co. Turbulaire impingement-type scrubber, Size 90, Type D. This scrubber is the same type as those operated on the #2 Boiler at the U. S. Sugar Corp. Clewiston Mill during the 1973-74 sugar cane processing season. By-pass is provided for emergency use only, such as for cleaning due to plugging of scrubber.

Stack emission tests indicate that the facility will provide full compliance of the source with the new DPC Emission Standard for Bagasse Boilers

B. Schedule of Project Covered in this Application (Construction Permit Application Only).

Federally or State Financed Projects only:

Planning Complete N. A.

Financing Program Complete _____

Indicate other local, state and/or federal agency approvals and dates _____

All projects:

Start of Construction 5-1-74

Completion of Construction 11-1-74

C. Costs of Construction (Show a breakdown of costs for individual components/units of the proposed project serving pollution control purpose only). Information on actual costs shall be furnished with the application for operation permit.

Estimated cost of scrubber and installation \$80,000.00

D. Indicate any previous DPC permits, issuance dates, and expiration dates.

This boiler is operating under permit No. AO 50-2043 issued on 3-22-73 and expiring on 7-1-75.

AIR POLLUTION SOURCES & CONTROL DEVICES

A. Identification of Air Contaminants

- 1) Particulates
 - a) Dust
 - b) Fly Ash
 - c) Smoke
 - d) Other (Identify)

- 2) Sulfur Compounds
 - a) SO_x as SO₂
 - b) Reduced Sulfur as H₂S
 - c) Other (Identify)

- 3) Nitrogen Compounds
 - a) NO_x as NO₂
 - b) NH₃
 - c) Other (Identify)

- 4) Fluorides
- 5) Acid Mist
- 6) Odor

- 7) Hydrocarbons
- 8) Volatile Organic Compounds

- 9) Other (Specify): _____

B. Raw Materials and Chemicals Used (Be Specific)

Description	Utilization Tons/day, lbs./day, etc.	Approximate Contaminant Content		Relate to Flow Diagram
		Type	% Wt.	
Bagasse	949 tons/day	-	-	A
No. 6 Fuel Oil	5500 lbs/day	S	2.4	B

C. Process Weight:

- 1) Total Process Weight Rate 79,300 lbs./hr. [See Sec. 17-2.04(2)]
- 2) Product Weight 150,000 lb./hr. expressed as Steam
- 3) Normal Operating Time 24 hrs per day, if seasonal describe: Approx. 150 days/yr
(Nov. 1 thru March 31)

D. Airborne Contaminants Discharged:

Name of Contaminant	Actual Discharge	Discharge Criteria*	Allowable Discharge*	Relate Location to Flow Diagram
Particulates	87.9 lbs/hr 122.3 tons/yr	Btu Std.	87.4 lbs/hr	C
SO ₂	10.9 lbs/hr 19.7 tons/yr	N.A.	N.A.	C
NO _x	88.4 lbs/hr 159.1 tons/yr	N.A.	N.A.	C

* Refer to Chapter 17-2 Florida Administrative Code
(Discharge Criteria: Process Weight Rate, #/tonP₂O₅, #/M BTU/hr etc.)

ADDENDUM TO PERMIT APPLICATION
FOR
AIR POLLUTION SOURCES

Listed below are clarifications of some of the information required on the application form. All information submitted must be in the format outlined below. Space is also provided below for additional information not contained in the original form.

AIR POLLUTION SOURCES & CONTROL DEVICES:

Item: C 1) Show the derivation of process weight.

Item: C 3) Normal operating time must be given as Hrs/Day, Days/Week and Weeks/Year.

If seasonal, give % operation by month.

Contaminants must include but not limited to: particulate matter, sulfur oxides, carbon monoxide, hydrocarbons and nitrogen oxides. This information must be submitted even though an applicable standard may not exist.

Also give actual discharge of each contaminant in lbs/hr and tons/yr.

Item: E In the space provided for Name, give model number and serial number of control device.

On separate page, give basis for efficiency on the process, i. e. calculations, (Do not give a general efficiency).

Item: F Include the commercial standard number of fuel oil and % sulfur, e.g. No. 6 fuel oil with 2.5% sulfur.

In the space provided for daily consumption, give mean and extremes.

Heat input must be the design capacity.

If application is for boiler, include manufacturer, model no. and serial no.

ADDITIONAL INFORMATION REQUIRED:

1. Flow diagram of process (without revealing trade secrets)
2. Plot plan
3. Stack data:

Height (ft.): 75
Diameter (ft.): 7.3
Temperature (°F): 160 (exit)
Flow Rate (ft/min.) 4240 at 30" Hg.



Kleeman Engineering, Inc.

CHEMICAL & ENVIRONMENTAL ENGINEERS

Frank S. Kleeman, P.E. - Pres.

R. Lynn Peyton - V. Pres.

305/731-9121

305/731-0146

ADDENDUM CALCULATIONS
APPLICATION FOR PERMIT TO
CONSTRUCT

FOR: U.S. SUGAR CORP.
BRYANT MILL #3 BOILER

Item C-1 Derivation of Process Weight

Fuel Oil Burned (No. 6) 230 lbs./hr.

Bagasse Burned 79,100 lbs./hr.

Calculated on Btu basis as follows:

Steam Generated 150,000 lbs/hr.

Btu Value of Steam 1067 Btu/lb.

Btu Value of Fuel Oil 18,500 Btu/lb.

Furnace Efficiency 55 %

Btu Value of Bagasse 3600 Btu/lb.

Heat Output = $\frac{150,000 \times 1067}{1000000} = 160.1 \times 10^6$ Btu/hr.

Heat Input = $\frac{160.1 \times 10^6}{.55} = 290.0 \times 10^6$ Btu/hr.

Heat Input from Oil = $\frac{230 \times 18,500}{1000000} = 4.3 \times 10^6$ Btu/hr.

Heat Input from Bagasse = $\frac{290.0 \times 10^6 - 4.3 \times 10^6}{3600} = 285.7 \times 10^6$ Btu/hr.

Bagasse Burned = $\frac{285,700,000}{3600} = 79,100$ Lbs/hr.

Total Process Weight = $\frac{230}{3600} + 79,100 = 79,300$ Lbs/hr.

Bagasse Burned Daily = $\frac{79,100 \times 24}{2000} = 949$ Tons/day

Oil Burned Daily = $\frac{230 \times 24}{2000} = 2.8$ Tons/day

Item D Emission Calculations

Stack emissions tests were conducted by ENVIRONMENTAL SCIENCE & ENG., INC. on BRYANT #2 Oiler on JAN. 24, 1974.

Particulate emissions were determined as follows:

Run No.	Particulate Emissions (lbs/hr.)	Steam Generated (Lbs/hr.)	Oil Used (Lbs/hr.)
1	47.8		
2	68.3		
Average	58.1	128,300	1000

$$58.1 \times \frac{150,000}{128,300} = 67.9 \text{ LBS/HR ANTICIPATED PARTICULATE EMISSIONS AT OPERATING CAPACITY OF}$$

$$\frac{67.9 \times 24 \times 150}{2000} = 122.3 \text{ Tons/yr Particulates } \frac{150,000 \text{ LBS/STEAM}}$$

SO₂ emissions calculated from following formula:
(Dept. H.E.W. Pub. No. AP-52, p. 106)

Lbs. S per 1000 gals. oil burned = 158.8 x %S content of oil

$$\frac{230 \text{ lbs/hr oil}}{1000 \times 8.0 \text{ lbs/gal}} \times 158.8 \times 2.4 = 10.9 \text{ lbs/hr SO}_2$$

$$10.9 \times 24 = 262 \text{ lbs/day SO}_2 \quad \frac{262 \times 150}{2000} = 19.7 \text{ tons/yr}$$

NO_x emissions were calculated from the following formulae:
(PHS Pub. No. 999-AP-29)

For No. 6 Oil NO_x = 104 lbs./1000 gal.

For Bagasse NO_x = 0.3 lb./10⁶ Btu Heat Input

$$\frac{230}{8.0 \text{ lbs/gal}} = 28.8 \text{ gal/hr Oil}$$

$$\text{NO}_x \text{ (Oil)} = \frac{28.8}{1000} \times 104 = 3.0 \text{ lbs/hr} \times 24 = 71.9 \text{ lbs/day}$$

$$\text{NO}_x \text{ (Bagasse)} = \frac{79,100}{3600} \times 3600 = 284.8 \times 10^6 \text{ Btu/hr.}$$

$$284.8 \times 0.3 = 85.4 \text{ lbs/hr. NO}_x$$

$$\text{Total NO}_x = 3.0 + 85.4 = 88.4 \text{ lbs/hr.}$$

$$\frac{(3.0) \times 24 \times 150}{2000} = 5.4 \text{ tons/yr NO}_x \text{ from Oil}$$

$$\frac{(85.4) \times 24 \times 150}{2000} = 153.7 \text{ tons/yr NO}_x \text{ from Bagasse}$$

$$3.0 + 153.7 = 159.1 \text{ tons/yr NO}_x \text{ Total}$$

CALCULATION OF ALLOWABLE PARTICULATE EMISSIONS

Allowable Particulates:

0.3 lbs. per 10⁶ BTU of Heat Input from Bagasse
0.1 lbs. per 10⁶ BTU of Heat Input from Oil

Heat Input (bagasse) 290.0 x 10⁶ BTU per hour
Heat Input (oil) 4.3 x 10⁶ BTU per hour

$$-(\frac{290.0}{87.0} \times 0.3) + (\frac{4.3}{0.4} \times 0.1) = \frac{87.4}{87.0} \text{ lbs./hr. Allowable Particulate Emissions}$$

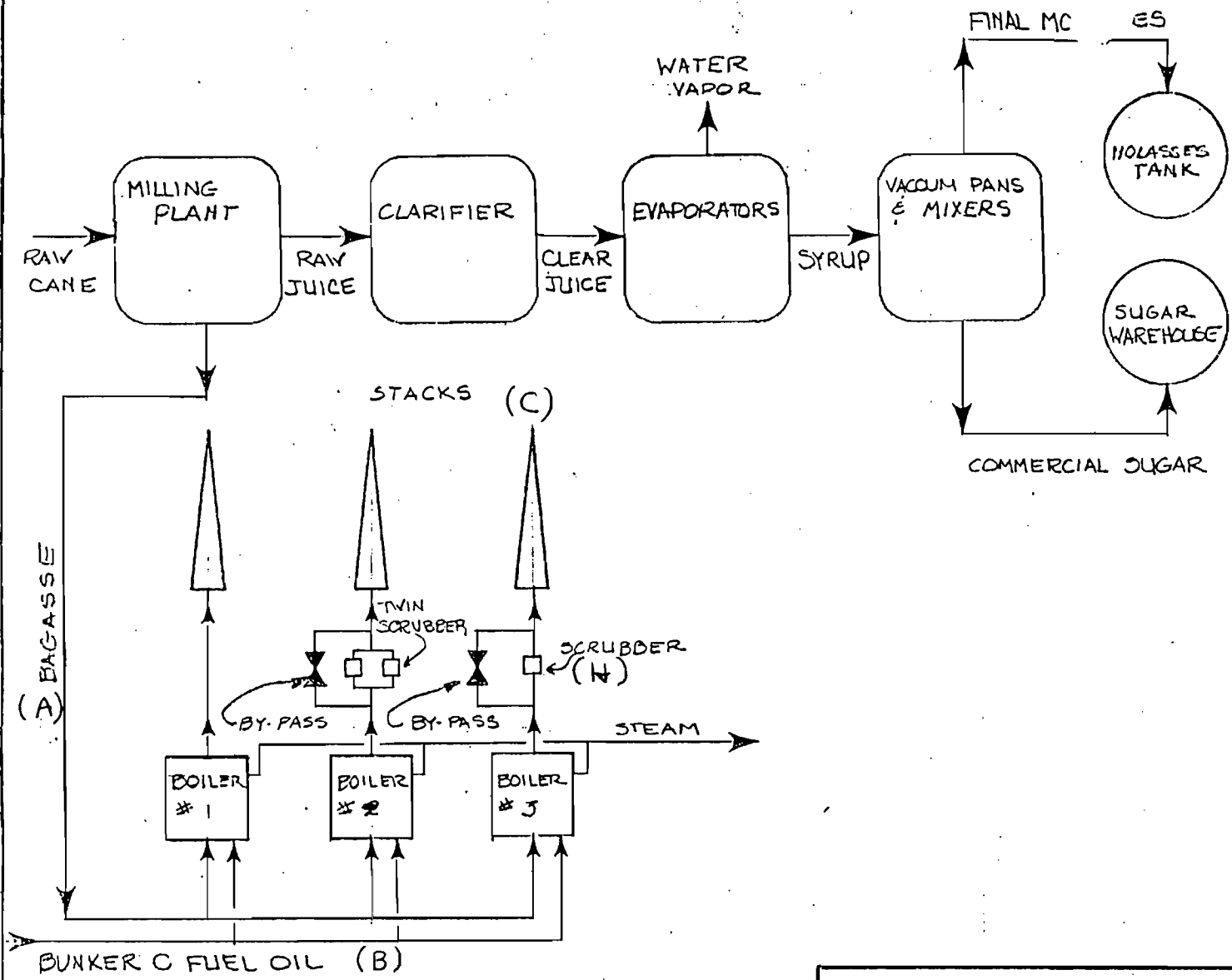
ITEM E

CALCULATION OF SCRUBBER EFFICIENCY

Inlet particulate loading to the scrubbers was calculated utilizing emission test results performed on BRYANT #1 BOILER which are similar in design capacity. Results of tests (see the attached report(s)) were as follows:

TEST #	<u>38</u>	During	<u>3-12-74</u>	<u>808</u>	lbs./hr.
TEST #	_____	During	<u>3-12-74</u>	<u>499</u>	lbs./hr.
TEST #	_____	During	_____	_____	lbs./hr.
AVERAGE				<u>654</u>	lbs./hr.
AVERAGE EMISSIONS FROM SCRUBBER			<u>(Boiler #2)</u>	<u>58.1</u>	lbs./hr.

$$\text{Scrubber Efficiency} = \frac{654 - 58.1}{654} \times 100 = \underline{91\%}$$

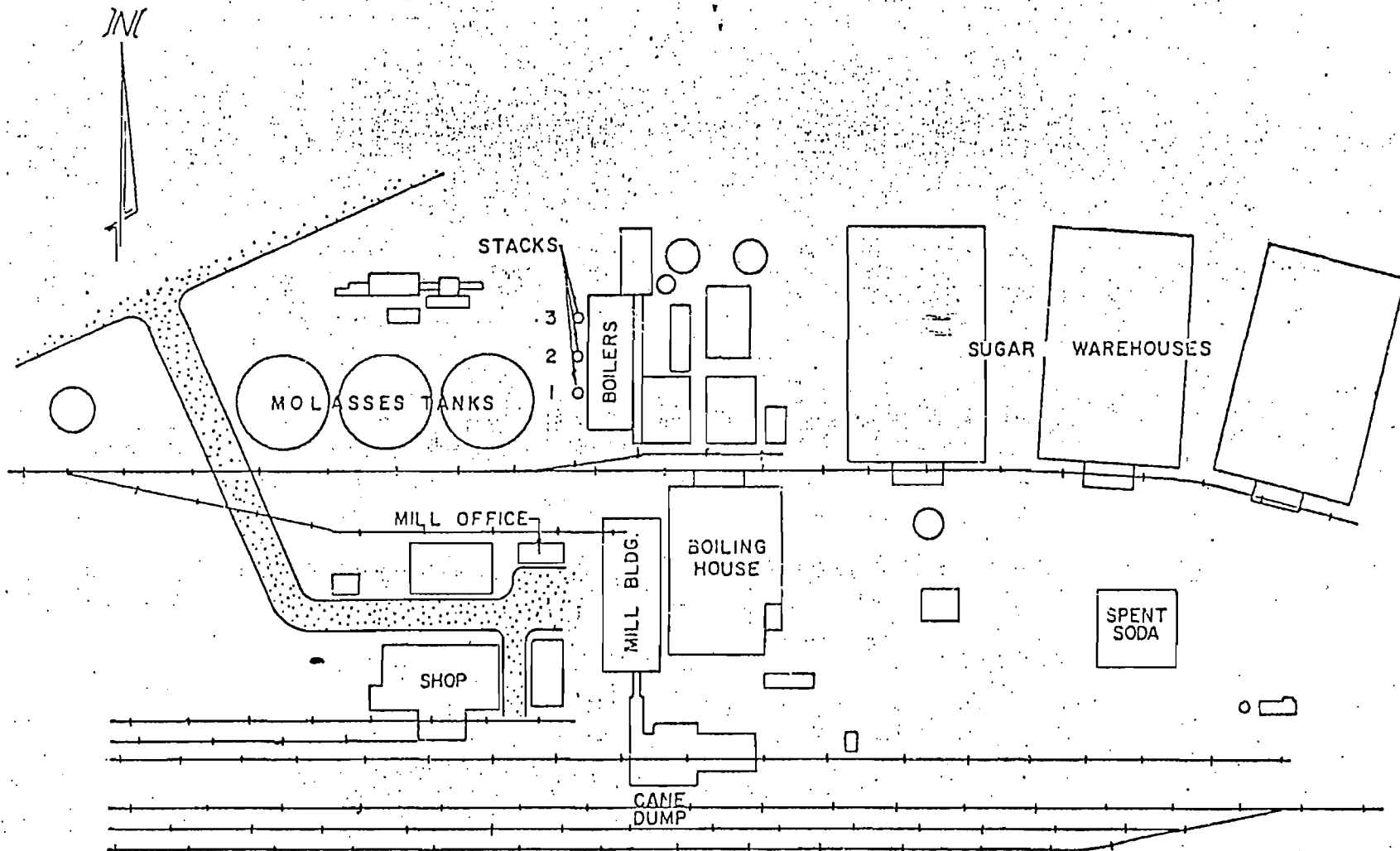


KLEEMAN ENGINEERING, INC.
 1507 NW 47 AVE. Ft. Lauderdale, Fla. 33313

SCALE: None	APPROVED BY:	DRAWN BY R.L.P.
DATE: 4/12/74		REVISED

SCHEMATIC PROCESS FLOW DIAGRAM
 U.S. Sugar Corporation - Bryant Mill - Bryant, Fla.

Project Number(s) 03-74-0147 & 0148	DRAWING NUMBER
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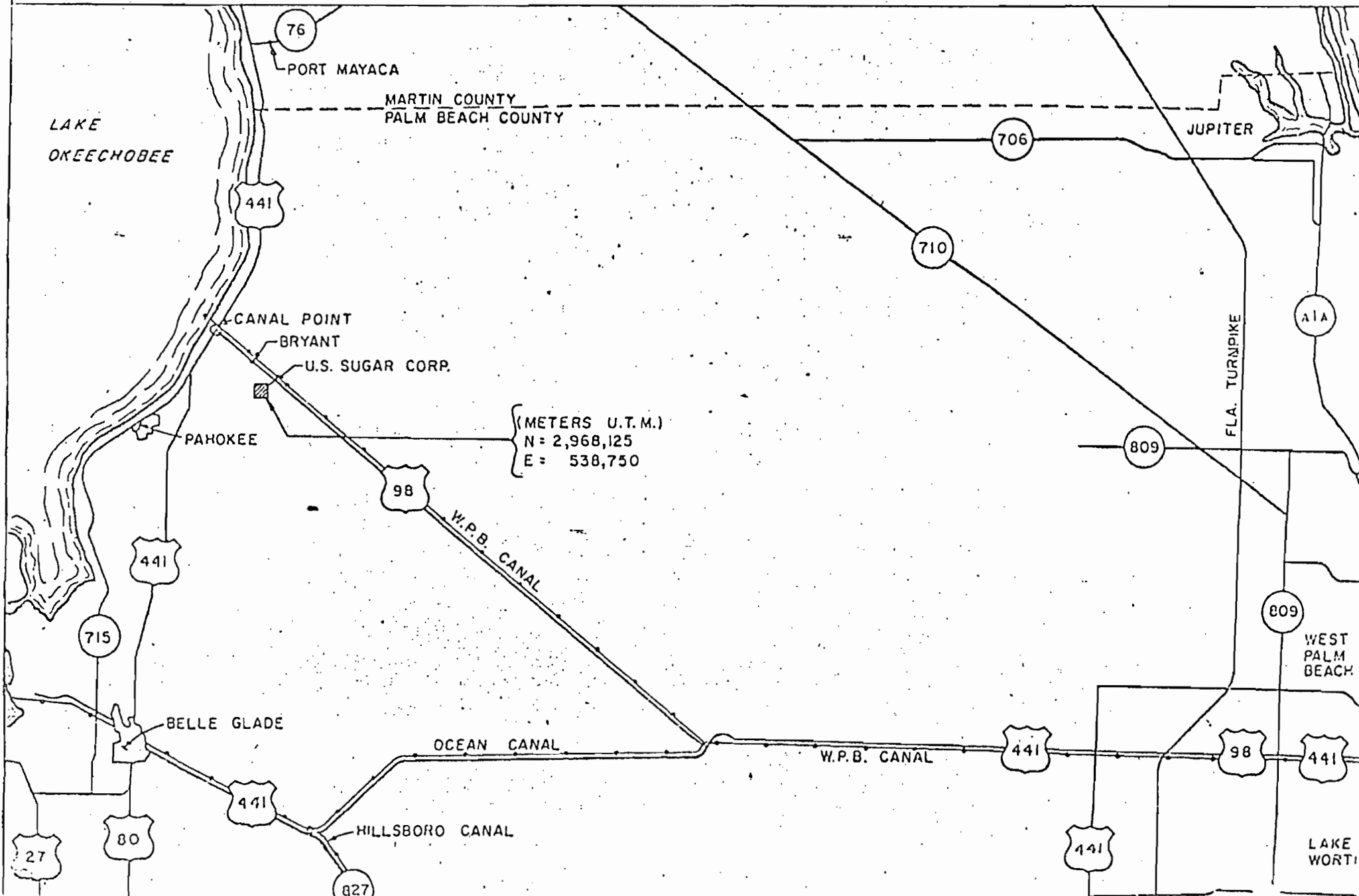
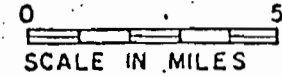


PLOT PLAN
 U.S. SUGAR CORP.
 BRYANT, FLORIDA

BEST AVAILABLE COPY

U.S. SUGAR CORP.
BRYANT, FLORIDA

LOCATION OF U.S. SUGAR CORP. WITH
RESPECT TO SURROUNDING AREA



STATEMENTS BY APPLICANT AND ENGINEER

A. Applicant

The undersigned owner or authorized representative of * U. S. Sugar Corp.
is fully aware that the statements made in this application for a Construct permit are true, correct and complete to the best of his knowledge and belief. Further, the undersigned agrees to maintain and operate the pollution source and pollution control facilities in such a manner as to comply with the provisions of Chapter 403 Florida Statutes and all the rules and regulations of the Department or revisions thereof. He also understands that a permit, if granted by the Department, will be non-transferable and he will promptly notify the Department upon sale or legal transfer of the permitted establishment.

A. R. Mayo A. R. Mayo
Signature of the Owner or Authorized Representative

A. R. Mayo, Vice President

Name and Title (Please Type)

Date: April 22, 1974 Telephone No.: (813) 983-8121

* Attach a letter of authorization

B. Professional Engineer Registered in Florida:

This is to certify that the engineering features of this pollution control project have been designed/examined by me and found to be in conformity with modern engineering principles applicable to the control and discharge of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that the pollution source(s) with appropriate control facilities, when properly maintained and operated, will comply with all applicable statutes of the State of Florida and the rules and regulations of the Department. It is also agreed that the undersigned will furnish the applicant a set of instructions for the proper maintenance and operation of the installation covered in this application.

Signature Frank S. Kleeman

Mailing Address: Kleeman Engineering, Inc.
1507 N. W. 47th Ave.
Ft. Lauderdale, Fla. 33313

Name: Frank S. Kleeman, P. E.
(please type)

Telephone No.: (305) 731-9121

Florida Registration Number 13622
(Please affix seal)

Date: April 19, 1974

Department of Environmental Regulation
Routing and Transmittal Slip

To: (Name, Office, Location)

1. Willard Hanks-
2. Air Resources Management
3. DER
4. Tallahassee

Remarks:

RECEIVED
NOV 16 1990
DER-BAQM

From: David Knowles
South Florida District

Date: 11-14-90
Phone: 748-6975



STATE OF FLORIDA
DEPARTMENT OF POLLUTION CONTROL
3201 GOLF COURSE BOULEVARD
PUNTA GORDA, FLORIDA 33950

PETER P. BALJET
EXECUTIVE DIRECTOR

DAVID H. LEVIN
CHAIRMAN

July 15, 1974

Mr. A.R. Mayo, Vice President
U. S. Sugar Corporation
P. O. Box 1207
Clewiston, Fla. 33440

Re: Palm Beach Co. - A.P.
U. S. Sugar Corp.
Boiler #3

Dear Mr. Mayo:

Pursuant to your recent application, please find enclosed a permit (No. AC50-2043A) dated 7/15/74 to construct the subject pollution source.

This permit will expire on 7/1/75, and will be subject to the conditions, requirements and restrictions checked or indicated otherwise in the attached sheet construction "Permit Conditions".

This permit is issued under the authority of Florida Statutes 403.016(16). The time limits imposed herein are a condition to this permit and are enforceable under Florida Statute 403.161. You are hereby placed on Notice that the Department will review this permit before the scheduled date of expiry and will seek court action for violation of the conditions and requirements of this permit.

You have ten (10) days from the date of receipt hereof within which to seek a review of the conditions and requirements contained in this permit.

Your continued cooperation in this matter is appreciated, and in future communication please refer to your permit number.

Yours truly,

Philip R. Edwards
Regional Administrator

PRE/mh

JOHN R. MIDDLEMAS
BOARD MEMBER

GEORGE RUPPEL
BOARD MEMBER

ALICE C. WAINWRIGHT
BOARD MEMBER

W. D. FREDERICK, JR.
BOARD MEMBER

STATE OF FLORIDA
DEPARTMENT OF POLLUTION CONTROL

CONSTRUCTION PERMIT

FOR U. S. Sugar Corporation

P. O. Box 1207

Clewiston, Fla. 33440

PERMIT NO. AC50-2043A

DATE 7-15-74

PURSUANT TO THE PROVISION OF SECTION 403.061 (16) OF CHAPTER 403, FLORIDA STATUTES, AND CHAPTER 17-4, FLORIDA ADMINISTRATIVE CODE, THIS PERMIT IS ISSUED TO:

Mr. A. R. Mayo, Vice President

FOR THE CONSTRUCTION OF:

Joy Turbulaire Size 90 Type D impingement scrubber for
Boiler #3.

LOCATED AT: Bryant Sugar Mill, U.S. 98, Bryant

UTM East 7,538,750 North 2,968,125

IN ACCORDANCE WITH THE APPLICATION DATED 4/22/74

AND IN CONFORMITY WITH THE STATEMENTS AND SUPPORTING DATA ENTERED THEREIN, ALL OF WHICH ARE FILED WITH THE DEPARTMENT AND ARE CONSIDERED A PART OF THIS PERMIT.

THIS PERMIT SHALL BE EFFECTIVE FROM THE DATE OF ITS ISSUANCE UNTIL 7/1/75

AND SHALL BE SUBJECT TO ALL APPLICABLE LAWS OF THE STATE AND THE RULES AND REGULATIONS OF THE DEPARTMENT.

Philip R. Edwards

Philip R. Edwards
Regional Administrator

Peter P. Baljet

Peter P. Baljet
EXECUTIVE DIRECTOR

STATE OF FLORIDA

DEPARTMENT OF POLLUTION CONTROL

CONSTRUCTION PERMIT PROVISOS

AIR POLLUTION SOURCES

Permit No. AC50-2043A

Date: 7/15/74

- [X] 1. Construction of this installation shall be completed by 11/1/74
- [X] 2. This construction permit expires on 7/1/75 following an initial period of operation for appropriate testing to determine compliance with the Rules of the Florida Pollution Control Board.
- [X] 3. All applicable rules of the Department including design discharge limitations specified in the application shall be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations prior to construction.
- [X] 4. The applicant shall continue the retention of the engineer of record for the inspection of the construction of this project. Upon completion the engineer shall inspect for conformity to construction permit applications and associated documents. A report of such inspection shall be submitted by the engineer to the Department of Pollution Control for consideration toward the issuance of an operation permit.
- [X] 5. This boiler shall be tested for particulates within 30 days after it is placed in operation. These test results are required prior to our issuance of an operation permit and shall be submitted in duplicate to the DPC Southwest Florida Regional Office 3201 Golf Course Blvd., Punta Gorda, Fla. 33950.
- [] 6. The operation of this installation shall be observed for visible emissions in accordance with Method 9 - Visible Determination of the Opacity of Emissions from Stationary Sources (Federal Register, December 23, 1971). The observation results are required prior to our issuance of an operation permit, and shall be submitted in duplicate to the DPC Southwest Florida Regional Office,
- [] 7. Stack sampling for total particulate or other contaminant emissions shall be conducted if found by the DPC Southwest Florida Regional Office to be necessary as a basis for the issuance of an operation permit.
- [X] 8. Satisfactory ladders, platforms, and other safety devices shall be provided/available as well as necessary ports to facilitate the carrying out of an adequate sampling program.

(TURN OVER)

[] 9. The following items are required prior to our issuance of an operation permit in addition to the engineer of record's report of inspection:

- (a) An emission report for total particulates and sulfur oxides based upon actual operations.
- (b) A tabular summary of actual records of frequencies and durations of soot blowing as well as boiler blowdown characteristics and disposal practices.

These items are required prior to our issuance of an operation permit and shall be submitted in duplicate to the DPC, _____
Florida Regional Office, _____

- [X] 10. There shall be no discharges of liquid effluents or contaminated runoff from the plant site.
- [X] 11. All fugitive dust generated at this site shall be adequately controlled.
- [X] 12. Provisions shall be made to enable an accurate determination of bagasse and fuel oil feed rates.



STATE OF FLORIDA
DEPARTMENT OF POLLUTION CONTROL
3201 GOLF COURSE BOULEVARD
PUNTA GORDA, FLORIDA 33950

PETER P. BALJET
EXECUTIVE DIRECTOR

May 29, 1974

DAVID H. LEVIN
CHAIRMAN

Mr. A. R. Mayo, V.P.
U.S. Sugar Corp.
Post Office Box 1207
Clewiston, Fl. 33440

RE: Palm Beach Co. - AP
U.S. Sugar - Bryant
Boiler #2

Dear Mr. Mayo:

Pursuant to your recent application, please find enclosed a permit (No. AC50-2042A) dated 5-28-74 to construct the subject pollution source.

This permit will expire on 7-1-75 , and will be subject to the conditions, requirements and restrictions checked or indicated otherwise in the attached sheet construction "Permit Conditions".

This permit is issued under the authority of Florida Statutes 403.016(16). The time limits imposed herein are a condition to this permit and are enforceable under Florida Statute 403.161. You are hereby placed on Notice that the Department will review this permit before the scheduled date of expiry and will seek court action for violation of the conditions and requirements of this permit.

You have ten (10) days from the date of receipt hereof within which to seek a review of the conditions and requirements contained in this permit.

Your continued cooperation in this matter is appreciated, and in future communication please refer to your permit number.

Yours truly,

Philip R. Edwards,
Regional Administrator

PRE/TWD/jp
Encls.

cc: Palm Beach CHD
Mr. Frank Kleeman
DPC - Tallahassee

JOHN R. MIDDLEMAS
BOARD MEMBER

GEORGE RUPPEL
BOARD MEMBER

ALICE C. WAINWRIGHT
BOARD MEMBER

W. D. FREDERICK, JR.
BOARD MEMBER

STATE OF FLORIDA
DEPARTMENT OF POLLUTION CONTROL

CONSTRUCTION PERMIT

FOR U.S. SUGAR CORPORATION
POST OFFICE BOX 1207
CLEWISTON, FLORIDA 33440

PERMIT NO. AC50-2042A DATE 5-28-74


PURSUANT TO THE PROVISION OF SECTION 403.061(16) OF CHAPTER 403, FLORIDA STATUTES, AND CHAPTER 17-4, FLORIDA ADMINISTRATIVE CODE, THIS PERMIT IS ISSUED TO
MR. A. R. MAYO, VICE PRESIDENT

FOR THE CONSTRUCTION OF:
TWO JOY TURBULAIRE SCRUBBERS, TYPE D, SIZE 40 FOR BOILER #2

LOCATED AT: U.S. ROUTE 98, BRYANT, PALM BEACH COUNTY
UTM EAST 7,538,750 NORTH 2,968,125

IN ACCORDANCE WITH THE APPLICATION DATED 4-22-74
AND IN CONFORMITY WITH THE STATEMENTS AND SUPPORTING DATA ENTERED THEREIN,
ALL OF WHICH ARE FILED WITH THE DEPARTMENT AND ARE CONSIDERED A PART OF THIS
PERMIT.

THIS PERMIT SHALL BE EFFECTIVE FROM THE DATE OF ITS ISSUANCE UNTIL 7-1-75
AND SHALL BE SUBJECT TO ALL APPLICABLE LAWS OF THE STATE AND THE RULES AND
REGULATIONS OF THE DEPARTMENT.


PHILIP R. EDWARDS,
REGIONAL ADMINISTRATOR

PETER P. BALJET,
EXECUTIVE DIRECTOR

STATE OF FLORIDA

DEPARTMENT OF POLLUTION CONTROL

CONSTRUCTION PERMIT PROVISOS

AIR POLLUTION SOURCES

Permit No. A050-2042A

Date: 5-28-74

- [X] 1. Construction of this installation shall be completed by 5-4-75
- [X] 2. This construction permit expires on 7-1-75 following an initial period of operation for appropriate testing to determine compliance with the Rules of the Florida Pollution Control Board.
- [X] 3. All applicable rules of the Department including design discharge limitations specified in the application shall be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations prior to construction.
- [X] 4. The applicant shall continue the retention of the engineer of record for the inspection of the construction of this project. Upon completion the engineer shall inspect for conformity to construction permit applications and associated documents. A report of such inspection shall be submitted by the engineer to the Department of Pollution Control for consideration toward the issuance of an operation permit.
- [X] 5. This scrubbers shall be tested for particulates within * days after it is placed in operation. These test results are required prior to our issuance of an operation permit and shall be submitted in duplicate to the DPC Southwest Florida Regional Office 3201 Golf Course Blvd., Punta Gorda, Florida 33950
- [] 6. The operation of this installation shall be observed for visible emissions in accordance with Method 9 - Visible Determination of the Opacity of Emissions from Stationary Sources (Federal Register, December 23, 1971). The observation results are required prior to our issuance of an operation permit, and shall be submitted in duplicate to the DPC Southwest Florida Regional Office,
- [] 7. Stack sampling for total particulate or other contaminant emissions shall be conducted if found by the DPC Southwest Florida Regional Office to be necessary as a basis for the issuance of an operation permit.
- [X] 8. Satisfactory ladders, platforms, and other safety devices shall be provided/available as well as necessary ports to facilitate the carrying out of an adequate sampling program.

[] 9. The following items are required prior to our issuance of an operation permit in addition to the engineer of record's report of inspection:

- (a) An emission report for total particulates and sulfur oxides based upon actual operations.
- (b) A tabular summary of actual records of frequencies and durations of soot blowing as well as boiler blowdown characteristics and disposal practices.

These items are required prior to our issuance of an operation permit and shall be submitted in duplicate to the DPC _____
Florida Regional Office, _____

[] 10. There shall be no discharges of liquid effluents or contaminated runoff from the plant site.

[x] 11. All fugitive dust generated at this site shall be adequately controlled.

(X) 12. Provisions shall be made to enable an accurate determination of bagasse and oil feed rates to be ascertained.

* It is requested that a particulate stack test be performed, using the appropriate Department procedure, during the 1974-1975 processing season.



STATE OF FLORIDA
DEPARTMENT OF POLLUTION CONTROL
SUITE 401
2180 WEST 1ST STREET
FORT MYERS, FLORIDA 33901

PETER P. BALJET
EXECUTIVE DIRECTOR

W.D. FREDERICK, JR.
CHAIRMAN

January 3, 1975

Mr. A.R. Mayo, Vice President
U. S. Sugar Corp.
P. O. Box 1207
Clewiston, Fla. 33440

Re: Palm Beach Co. - A.P.
U.S. Sugar Corp. - Bryant Mill
Boiler #1

Dear Mr. Mayo:

Pursuant to your recent application, please find enclosed a permit (No. AC50-2041A) dated 1/2/75) to construct the subject pollution source.

This permit will expire on 11/30/75 , and will be subject to the conditions, requirements and restrictions checked or indicated otherwise in the attached sheet construction "Permit Conditions."

This permit is issued under the authority of Florida Statutes 403.061(16). The time limits imposed herein are a condition of this permit and are enforceable under Florida Statute 403.161. You are hereby placed on Notice that the Department will review this permit before the scheduled date of expiry and will seek court action for violation of the conditions and requirements of this permit.

You have ten (10) days from the date of receipt hereof within which to seek a review of the conditions and requirements contained in this permit.

Your continued cooperation in this matter is appreciated, and in future communication please refer to your permit number.

Yours truly,

Philip R. Edwards
Regional Administrator

PRE/mh
cc: DPC Tallahassee
Palm Beach CHD
Frank S. Kleeman

John R. Middlemas
BOARD MEMBER

Alice C. Wainwright
BOARD MEMBER

Mark D. Hollis
BOARD MEMBER

Y.E. Hall
BOARD MEMBER

STATE OF FLORIDA
DEPARTMENT OF AIR AND WATER
POLLUTION CONTROL

CONSTRUCTION PERMIT

FOR U.S. Sugar Corporation

P. O. Box 1207

Clewiston, Fla. 33440

PERMIT NO. AC50-2041A

DATE 1/2/75

PURSUANT TO THE PROVISION OF SECTION 403.061 (16) OF CHAPTER 403, FLORIDA STATUTES AND CHAPTER 17-4, FLORIDA ADMINISTRATIVE CODE, THIS PERMIT IS ISSUED TO
Mr. A. R. Mayo, Vice President

FOR THE CONSTRUCTION OF THE FOLLOWING

Control system for Boiler #1 consisting of stainless steel Joy
impingement scrubbers: 1 Size 125 or 2 Size 40; Type D

LOCATED AT U.S. Rte. 98, Bryant, Palm Beach County

UTM East 7,538,750 North 2,968,125

IN ACCORDANCE WITH THE APPLICATION DATED November 25, 1974

AND IN CONFORMITY WITH THE STATEMENTS AND SUPPORTING DATA ENTERED THEREIN,
ALL OF WHICH ARE FILED WITH THE DEPARTMENT AND ARE CONSIDERED A PART OF THIS
PERMIT.

THIS PERMIT SHALL BE EFFECTIVE FROM THE DATE OF ITS ISSUANCE UNTIL 11/30/75

AND SHALL BE SUBJECT TO ALL APPLICABLE LAWS OF THE STATE AND THE RULES AND REG-
ULATIONS OF THE DEPARTMENT.

Philip R. Edwards

Philip R. Edwards
Regional Administrator

Peter P. Baljet

Peter P. Baljet
EXECUTIVE DIRECTOR

STATE OF FLORIDADEPARTMENT OF POLLUTION CONTROLCONSTRUCTION PERMIT PROVISOSAIR POLLUTION SOURCES

Permit No. AC50-2041A

Date: 1/2/75

- (X) 1. Construction of this installation shall be completed by 8/15/75. Application for Permit to Operate to be submitted by 11/30/75.
- (X) 2. This construction permit expires on 11/30/75 following an initial period of operation for appropriate testing to determine compliance with the Rules of the Florida Pollution Control Board.
- (X) 3. All applicable rules of the Department including design discharge limitations specified in the application shall be adhered to. The permit holder may also need to comply with county, municipal, federal, or other state regulations prior to construction.
- (X) 4. The applicant shall continue the retention of the engineer of record for the inspection of the construction of this project. Upon completion the engineer shall inspect for conformity to construction permit applications and associated documents. A report of such inspection shall be submitted by the engineer to the Department of Pollution Control for consideration toward the issuance of an operation permit.
- (X) 5. This boiler shall be tested* for particulates within 30 days after it is placed in operation. These test results are required prior to our issuance of an operation permit and shall be submitted in duplicate to the DPC Southwest Florida Regional Office 2180 W. First St., Suite 401, Ft. Myers, Fla. 33901.
- *FUEL ANALYSIS MAY BE SUBMITTED FOR REQUIRED SULFUR DIOXIDE EMISSION TEST.
- () 6. The operation of this installation shall be observed for visible emissions in accordance with Method 9 - Visible Determination of the Opacity of Emissions from Stationary Sources (36FR24895; Federal Register, December 23, 1971). The observation results are required prior to our issuance of an operation permit, and shall be submitted in duplicate to the DPC Florida Regional Office,
- (X) 7. Satisfactory ladders, platforms, and other safety devices shall be provided/available as well as necessary ports to facilitate the carrying out of an adequate sampling program.
- (X) 8. There shall be no discharges of liquid effluents or contaminated runoff from the plant site.
- (X) 9. All fugitive dust generated at this site shall be adequately controlled.

- (X) 10. Submit, within sixty (60) days upon receipt of this permit, the scrubbers design operating data as specified by the manufacturer including pressure drop, water flow rates, etc.
- (X) 11. This boiler shall not be operated after July 1, 1975 without the control system indicated on this permit being installed and operational.

RECEIVED

JAN 6 1971

Division of Environmental Health
PALM BEACH COUNTY
HEALTH DEPT.

January 2, 1971

Mr. David Scott
Florida Department of Air and Water
Pollution Control
Suite 300, Tallahassee Bank Building
315 South Calhoun Street
Tallahassee, Florida, 32301

through

Mr. Lawrence Lukin
Palm Beach County Health Department
P. O. Box 29
West Palm Beach, Florida, 33402

Gentlemen:

Enclosed are quadruplicate copies of three applications for permits to operate air pollution sources for the United States Sugar Corporation, Bryant Mill. These cover the operation of three-bagasse burning boilers. As agreed in conversations with Mr. J. Cooper on November 4, and Mr. D. Scott and staff on November 6, the manufacturing process is not considered a significant source of air pollutants, and an operating permit will thus not be required.

Emissions from the bagasse boilers were tested most recently in January, 1970. The particulate emissions were found not to be in compliance with those allowed by Section 28-7.06 (2) FAC. We wish to emphasize that we have never concurred, nor do we now concur, that limitations imposed by the process weight chart are applicable to this type of source. Communications with the companies from FDAWPC questioning compliance with air pollution regulations have cited this regulation. We have been informed by Mr. Don Brown that emissions limitations specific for the sugar industry will be promulgated, but we have no idea what these limits might be at this time.

In accordance with the program of research and development started in the summer of 1969 by the Florida Sugar Cane League, Inc., we have completed the first year of an extensive ambient air quality survey and a pilot study of the application of wet scrubbers to the bagasse boilers. The pilot study revealed the possibility of several operating and maintenance difficulties. Of particular interest to us is a determination of the requirements for treatment of the scrubber water so it

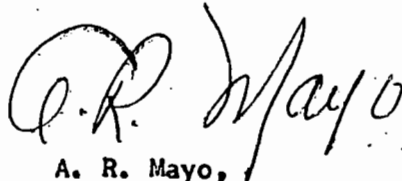
C
O
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Y

can be recycled rather than discharged to waste. We are also concerned about investigating requirements for the disposal of collected solids. Therefore, during this operating season (approximately mid-November 1970 to mid-March 1971), the industry plans to investigate possible solutions to operating and maintenance problems, conduct pilot studies of new types of mechanical collectors, and continue the ambient air survey (suspended particulates and sulfation) in the populated areas. During the following operating season, if emission standards for the industry are available and additional controls are required, the industry plans to select the most appropriate type of control equipment and install a full scale unit at one location. This will be observed and tested during the 1971-72 season.

Based on the above information, we request that temporary operating permits be issued to be effective until such time as source emissions standards are adopted for the industries. When these emissions standards are known and if additional controls are required with the information obtained from the above stated industry tests, this company will then be in a position to outline to the department the details of our intentions with respect to compliance of the new regulations.

Very truly yours,

UNITED STATES SUGAR CORPORATION



A. R. Mayo,
Vice-President, Sugar Houses.

Encls.

C
O
P
Y

Department of Environmental Regulation
Routing and Transmittal Slip

To: (Name, Office, Location)

1. ~~Don Eckhardt~~ WPE
2. ~~TT 505~~
3. Willard Hanks, BAR, Rm 306D
- 4.

Remarks:

We agreed to approve U.S. Dyer's request at the meeting last week. If you have any problem with this or want conditions attached to the approval, please contact Barry Andrews or myself.

I concur with conditions
WPHubink 11/13/90

Bureau of Waste Cleanup

NOV 14 1990

Engineering Support Section

From:

Willard Hanks

Date

11-14-90

Phone

8-1344

THOMSON MURARO BOHRER & RAZOOK, P.A.

ATTORNEYS AT LAW
1700 AMERIFIRST BUILDING
ONE SOUTHEAST THIRD AVENUE
MIAMI, FLORIDA 33131

TELEPHONE
(305) 350-7200
TELECOPIER
(305) 374-1005

November 12, 1990

RECEIVED

NOV 13 1990

DER-BAQM

Mr. Willard Hanks
Division of Air Resources Management
Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Amendment to Air Construction and Operating Permits for
Boilers at United States Sugar Corporation Bryant
Mill

Dear Mr. Hanks:

We appreciate and thank you and Mr. Andrews for meeting with us on short notice to discuss the matters set forth in this letter.

We are hereby seeking amendments to the operating permits for Boilers #1, 2, and 3 at the Bryant Mill of United States Sugar Corporation ("USSC"). These operating permits bear #A050-116610, A050-116613 and A050-182890. To facilitate your review of this request we enclose copies of these three operating permits. We are reviewing to see if the original construction permits for these boilers are still available.

These boilers presently are licensed to burn bagasse and Diesel #6 (Bunker C). In addition, in accordance with the FDER's general directive dated January 5, 1987, USSC recycles "on-specification" used oil in these industrial boilers. The requested amendment is the burning of soils impacted both with Diesel #6 (Bunker C) and "on-specification" used oil in these boilers under the circumstances and subject to the limitations specified in this letter.

USSC has performed initial remedial actions consisting of removal of soils at the Bryant Mill impacted with Diesel #6 (Bunker C) and diesel and lubricating oils. These impacted soils (being approximately 83% Diesel #6 (Bunker C), 6% diesel, and 11% lubricating oil totalling approximately 6000 cu.yds.) are presently

Mr. Willard Hanks
November 12, 1990
Page 2

staged at the Bryant Mill on top of a visqueen base, and covered with visqueen. USSC has reviewed with the Fort Myers district office of FDER the documentation related to the remediation of all these soils and that office has concluded it is satisfied that all impacted soils have been adequately removed. The only remaining matter is the disposal of these impacted soils. The Fort Myers district office has advised USSC that it does not have any problem with USSC's proposed on-site thermal treatment of these soils, subject to your review of the issue.

Our consultants, ERM-South, had laboratory tests performed on the excavated soils. These tests demonstrate not only that the soils are in no way hazardous by characteristic according to testing requirements set forth in Chapter 17-730, Florida Administrative Code, Hazardous Waste, but also that the soils fully meet criteria specified in Chapter 17-775, Florida Administrative Code, Soil Thermal Treatment Facilities (Proposed) and criteria for recycling of used oils in industrial boilers in accordance with FDER directive dated January 5, 1987. A tabular summary of the soils data is Attachment 1A and the test data underlying this summary is Attachment 1B.

When the sugar cane is brought to the mill for processing, a substantial amount of soil comes with it. Although most of this soil is removed during the milling process, a significant amount of soil still passes with the bagasse into the boilers. It is removed with the ash after firing of the bagasse in the boilers, and passes to the ash ponds.

It is the intention of USSC to place the impacted soils on the bagasse conveyors in an orderly way so as to dispose of the impacted soils as quickly as feasible without reducing boiler efficiency or exceeding emission standards. In that the bagasse conveyors already convey soil into the boilers, it is estimated that the additional soils will only increase the soil content of the bagasse from about 1% of average bagasse throughput to about 2% of average bagasse throughput during the period of disposition of these soils.

Data as to the characteristics of the boilers to be utilized for the thermal treatment of the impacted soils are set forth in Attachment 2.

THOMSON MURARO BOHRER & RAZOOK, P.A.

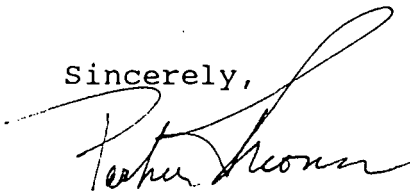
Mr. Willard Hanks
November 12, 1990
Page 3

Because of the small soils analysis set forth in Attachment 1A, the amount of soils throughput contemplated, and allowable quantities of bagasse to be burned, USSC and our consultants, ERM-South, conclude that the additional soils throughput would cause no violation of current permit emissions limits and would result in an ash which would fully meet clean fill criteria as specified in Chapter 17-775, Florida Administrative Code.

USSC desires permit amendments to provide for thermal treatment of approximately 6000 cu.yds. of impacted soils during the 1990-1 processing season and no more than 500 cu.yds. in each subsequent processing season. The requested permit amendments contemplate that only soils impacted on USSC property will be thermally treated and, in no event, will USSC thermally treat soils of outside parties.

We anticipate being ready to implement soil treatment as soon as approval of the requested permit amendments are received, and expect that all soils can be processed within the milling season. We therefore request expedition to the maximum possible extent of review of the requested permit amendments and approval thereof at the earliest possible time.

Sincerely,



Parker D. Thomson

PDT/mpm
Enclosures

ATTACHMENT 1-A

**SUMMARY OF SOILS DATA
U.S. SUGAR CORPORATION**

PARAMETER	LEVEL (ppm)
Hazardous Waste Characteristics:	
TCLP Volatiles	Not Detected
TCLP Metals	Not Detected
TCLP Semivolatiles	Not Detected
Pesticides	Not Detected
PCBs	Not Detected
Ignitability	None
Thermal Treatment Characteristics:	
Total Organic Halogens	<142
TRPH	<9,700
Arsenic	<8.2
Chromium	<5.1
Lead	<6.2
Cadmium	<0.025
TCLP Mercury	<0.002
TCLP Selenium	<0.5
TCLP Silver	<0.01
TCLP Barium	<0.26
EPA 601 Organics	Not Detected
EPA 602 Organics	Not Detected

ATTACHMENT 1-B
LABORATORY TEST DATA
for
EXCAVATED SOILS AT BRYANT MILL

Item 1: Savannah Laboratories Data, pp. 1-5, consisting of:

- Sample SS-BC (a composite of 22 grab samples from approximately 4,980 cubic yards of Bunker C impacted soils)
- Sample SS-D (a composite of 5 grab samples from approximately 380 cubic yards of diesel impacted soils)
- Sample SS-L (a composite of 17 grab samples from approximately 640 cubic yards of lube oil impacted soils)

Item 2: ENCO Laboratory Data, 1 page, consisting of:

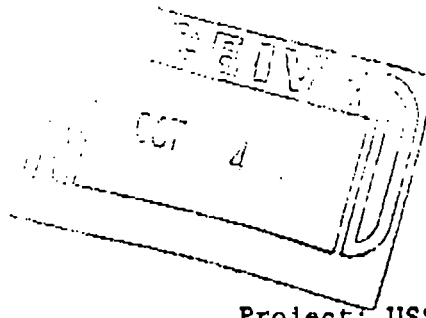
- (a composite of 54 grab samples from approximately 2,000 cubic yards of Bunker C, Diesel, and Lube Oil impacted soils)

Item 3: Spectrum Laboratory Data, 1 page, consisting of:

- Sample S#3/017/012698 (a vertical soil composite from ground surface to the ground water table in the Bunker "C" area)

SL SAVANNAH LABORATORIES
 & ENVIRONMENTAL SERVICES, INC.

414 SW 12th Avenue • Deerfield Beach, Florida 33442 • (305) 421-7400 • Fax (305) 421-2584

 Mr. Jim Cowart
 ERM-South, Inc.
 2858 Northwest 79th Avenue
 Miami, FL 33122-0133


LOG NO: D0-02960

Received: 24 AUG 90

Project: USSC-Bryant 53622.05

REPORT OF RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY
02960-1	SS-BC (08.23.90)	Client
PARAMETER	02960-1	
Purgeable Aromatics (602)		
Benzene, ug/kg dw	<5.0	
Chlorobenzene, ug/kg dw	<5.0	
1,2-Dichlorobenzene, ug/kg dw	<5.0	
1,3-Dichlorobenzene, ug/kg dw	<5.0	
1,4-Dichlorobenzene, ug/kg dw	<5.0	
Ethylbenzene, ug/kg dw	<5.0	
Toluene, ug/kg dw	<5.0	
Xylenes, ug/kg dw	<5.0	
Methyl-Tert-Butyl-Ether (MTBE), ug/kg dw	<50	
TCLP extraction volatiles ZHE		
Phases	1	
% Solids	100 %	
% that passes 9.5 mm sieve	100 %	
Volatiles in TCLP Extract		
Benzene (TCLP), mg/l	<0.020	
Carbon tetrachloride (TCLP), mg/l	<0.020	
Chlorobenzene (TCLP), mg/l	<0.020	
Chloroform (TCLP), mg/l	<0.020	
1,2-Dichloroethane (TCLP), mg/l	<0.020	
1,1-Dichloroethylene (TCLP), mg/l	<0.020	
Methyl ethyl ketone (TCLP), mg/l	<0.040	
Tetrachloroethylene (TCLP), mg/l	<0.020	
Trichloroethylene (TCLP), mg/l	<0.020	
Vinyl chloride (TCLP), mg/l	<0.040	

LOG NO: D0-02960

Received: 24 AUG 90

Mr. Jim Cowart
 ERM-South, Inc.
 2858 Northwest 79th Avenue
 Miami, FL 33122-0133

Project: USSC-Bryant 53622.05

REPORT OF RESULTS

Page 2

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY
02960-1	SS-BC (08.23.90)	Client
PARAMETER	02960-1	
Polynuclear Aromatic Hydrocarbons (610)		
Acenaphthene, ug/kg dw	<40000	
Acenaphthylene, ug/kg dw	<40000	
Benzo(a)pyrene, ug/kg dw	<80000	
Benzo(g,h,i)perylene, ug/kg dw	<120000	
Benzo(b,k)fluoranthene, ug/kg dw	<120000	
Chrysene + Benzo(a)anthracene, ug/kg dw	<120000	
Fluoranthene, ug/kg dw	<80000	
Fluorene, ug/kg dw	<80000	
Indeno(1,2,3-cd)pyrene+Dibenzo(a,h)anthracene, ug/kg dw	<120000	
Naphthalene, ug/kg dw	<40000	
Phenanthrene + Anthracene, ug/kg dw	<80000	
Pyrene, ug/kg dw	<80000	
2-Methylnaphthalene, ug/kg dw	<40000	
1-Methylnaphthalene, ug/kg dw	<40000	
TCLP extraction - non-volatile		
Phases	1	
% Solids	89	
% that passes 9.5 mm sieve	100	
pH (7.1.4.2), mg/kg	9.4	
pH (7.1.4.4), mg/kg	6.2	
Extraction Fluid	2	

LOG NO: D0-02960

Received: 24 AUG 90

Mr. Jim Cowart
ERM-South, Inc.
2858 Northwest 79th Avenue
Miami, FL 33122-0133

Project: USSC-Bryant 53622.05

REPORT OF RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY
02960-1	SS-BC (08.23.90)	Client
PARAMETER	02960-1	
Semivolatiles in TCLP extract		
Cresol o,m,p (TCLP), mg/l	<0.050	
1,4-Dichlorobenzene (TCLP), mg/l	<0.050	
2,4-Dinitrotoluene (TCLP), mg/l	<0.050	
Hexachlorobenzene (TCLP), mg/l	<0.050	
Hexachlorobutadiene (TCLP), mg/l	<0.050	
Hexachloroethane (TCLP), mg/l	<0.050	
Nitrobenzene (TCLP), mg/l	<0.050	
Pentachlorophenol (TCLP), mg/l	<0.25	
2,4,5-Trichlorophenol (TCLP), mg/l	<0.25	
2,4,6-Trichlorophenol (TCLP), mg/l	<0.050	
Pyridine (TCLP), mg/l	<0.25	
Petroleum Hydrocarbons (418.1), mg/kg dw	9700	
Metals in TCLP		
Arsenic (TCLP), mg/l	<0.20	
Barium (TCLP), mg/l	0.26	
Cadmium (TCLP), mg/l	<0.010	
Chromium (TCLP), mg/l	<0.050	
Lead (TCLP), mg/l	<0.10	
Selenium (TCLP), mg/l	<0.20	
Silver (TCLP), mg/l	<0.010	
Mercury (TCLP), mg/l	<0.020	
Arsenic, mg/kg dw	5.4	
Chromium, mg/kg dw	3.4	
Cadmium, mg/kg dw	<0.025	
Lead, mg/kg dw	2.4	

LOG NO: D0-02960

Received: 24 AUG 90

Mr. Jim Cowart
 ERM-South, Inc.
 2858 Northwest 79th Avenue
 Miami, FL 33122-0133

Project: USSC-Bryant 53622.05

REPORT OF RESULTS

Page 4

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY	
02960-2	SS-D (08.23.90)	Client	
02960-3	SS-L (08.23.90)		
PARAMETER		02960-2	02960-3
Purgeable Aromatics (602)			
Benzene, ug/kg dw		<5.0	<5.0
Chlorobenzene, ug/kg dw		<5.0	<5.0
1,2-Dichlorobenzene, ug/kg dw		<5.0	<5.0
1,3-Dichlorobenzene, ug/kg dw		<5.0	<5.0
1,4-Dichlorobenzene, ug/kg dw		<5.0	<5.0
Ethylbenzene, ug/kg dw		<5.0	<5.0
Toluene, ug/kg dw		<5.0	<5.0
Xylenes, ug/kg dw		<5.0	<5.0
Methyl-Tert-Butyl-Ether (MTBE), ug/kg dw		<50	<50
Polynuclear Aromatic Hydrocarbons (610)			
Acenaphthene, ug/kg dw		<40000	<8000
Acenaphthylene, ug/kg dw		<40000	<8000
Benzo(a)pyrene, ug/kg dw		<80000	<16000
Benzo(g,h,i)perylene, ug/kg dw		<120000	<4000
Benzo(b,k)fluoranthene, ug/kg dw		<120000	<4000
Chrysene + Benzo(a)anthracene, ug/kg dw		<120000	<4000
Fluoranthene, ug/kg dw		<80000	<16000
Fluorene, ug/kg dw		<80000	<16000
Indeno(1,2,3-cd)pyrene+Dibenzo(a,h)anthracene, ug/kg dw		<120000	<24000
Naphthalene, ug/kg dw		<40000	<8000
Phenanthrene + Anthracene, ug/kg dw		<80000	<16000
Pyrene, ug/kg dw		<80000	<16000
2-Methylnaphthalene, ug/kg dw		<40000	<8000
1-Methylnaphthalene, ug/kg dw		<40000	<8000

LOG NO: D0-02960

Received: 24 AUG 90

Mr. Jim Cowart
 ERM-South, Inc.
 2858 Northwest 79th Avenue
 Miami, FL 33122-0133

Project: USSC-Bryant 53622.05

REPORT OF RESULTS

Page 5

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY	
02960-2	SS-D (08.23.90)	Client	
02960-3	SS-L (08.23.90)		
PARAMETER		02960-2	02960-3
Petroleum Hydrocarbons (418.1), mg/kg dw		690	1100
Arsenic, mg/kg dw		8.2	4.6
Cadmium, mg/kg dw		<0.025	<0.025
Chromium, mg/kg dw		4.0	5.1
Lead, mg/kg dw		4.1	6.2
Percent Solids, %		93	90

AUG-01-'90 WED 15:19 ID:- ERM MIAMI

TEL NO: 305-591-8830

#291 P02

ENCO LABORATORIES
 REPORT # : 2430
 DATE REPORTED: February 7, 1990
 REFERENCE : U.S. Sugar Corp

RESULTS OF ANALYSIS

PCB ANALYSIS

	<u>Bryant</u>	<u>units</u>
PCB - 1016	ND(300)	ug/Kg
PCB - 1221	ND(300)	ug/Kg
PCB - 1232	ND(300)	ug/Kg
PCB - 1242	ND(300)	ug/Kg
PCB - 1248	ND(300)	ug/Kg
PCB - 1254	ND(300)	ug/Kg
PCB - 1260	ND(300)	ug/Kg

MISCELLANEOUS ANALYSIS

	<u>Bryant</u>	<u>units</u>
Total Organic Halogens	142	mg/Kg
Ignitability	None	degrees F

ND = None Detected to level in parentheses



Laboratories, Inc. FORT LAUDERDALE • SAVANNAH

-CERTIFICATIONS-

CLIENT: THOMSON MURARO BOHRER & RAZOOK
SAMPLE ID: ~~949-017-012576~~
SAMPLED BY: CLIENT REPRESENTATIVE
DATE RECEIVED: 01/26/90
DATE ANALYZED: 02/08/90

FLORIDA DRINKING WATER: # 0614
FLORIDA ENVIRONMENTAL: # 00600
EPA: # FL.07
GEORGIA: # 021
SOUTH CAROLINA: # 9601

Binder C

EPA METHOD 8080
ORGANOCHLORINE PESTICIDES & PCBS

CAS NUMBER	PARAMETER	CONCENTRATION (ug/kg)	LOD (ug/kg)
309-00-2	ALDRIN	BMDL	0.004
319-84-6	a-BHC	BMDL	0.003
319-85-7	b-BHC	BMDL	0.006
319-86-8	d-BHC	BMDL	0.007
50-89-9	γ-BHC	BMDL	0.004
57-74-9	CHLORDANE	BMDL	0.014
72-34-8	4,4'-DDD	BMDL	0.011
72-35-7	4,4'-DDE	BMDL	0.004
50-29-3	4,4'-DDT	BMDL	0.012
60-57-1	DIELDRIN	BMDL	0.003
959-98-0	ENDOSULFAN I	BMDL	0.014
33212-65-9	ENDOSULFAN II	BMDL	0.004
1031-07-8	ENDOSULFAN SULFATE	BMDL	0.066
72-20-8	ENDRIN	BMDL	0.006
7421-93-4	ENDRIN ALDEHYDE	BMDL	0.023
76-44-8	HEPTACHLOR	BMDL	0.003
1024-57-3	HEPTACHLOR EPOXIDE	BMDL	0.083
8001-33-2	TOXAPHENE	BMDL	0.24

Lyle A. Johnson
Lyle A. Johnson
Chemist

M D L = BELOW METHOD DETECTION LIMIT

L O D = LIMIT OF DETECTION

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

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

3. Article Addressed to: Mr. A. R. Mayp, V.P. U.S. Sugar Corp. P.O. Drawer 1207 Clewiston, FL 33440	4. Article Number P 407 852 685
Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input type="checkbox"/> Certified <input type="checkbox"/> C/D <input type="checkbox"/> Express Mail <input type="checkbox"/> Return receipt for Merchandise	
Always obtain signature of addressee or agent and DATE DELIVERED. MAY 16 1991	
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid) DIVISION of Air Resources Management
6. Signature - Agent X	
7. Date of Delivery 5-13-91	

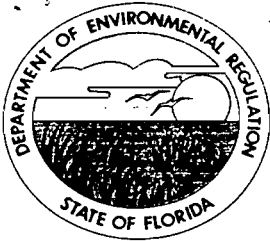
RECEIVED

PS Form 3811, Apr. 1989 * U.S.G.P.O. 1989-238-815 DOMESTIC RETURN RECEIPT

P 407 852 685
RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

* U.S.G.P.O. 1989-234-555	Send to A. R. Mayp	
	Street and No. U.S. Sugar Corp	
	City, State and ZIP Code Clewiston, FL	
	Postage	S
	Certified Fee	
	Special Delivery Fee	
	Restricted Delivery Fee	
	Return Receipt showing to whom and Date Delivered	
	Return Receipt showing to whom, Date, and Address of Delivery	
	TOTAL Postage and Fees	S
Postmark or Date 5-8-91 Clewiston Mill Pmts 10		

PS Form 3800, June 1985



Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

April 29, 1991

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. A. R. Mayo, Vice President
United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

Dear Mr. Mayo:

Re: Amendment of the Clewiston Mill Permits

The Department is in receipt of Mr. Parker Thomson's January 11, 1991, letter requesting the permits for the bagasse/No. 6 oil fired boilers Nos. 1, 2, 3, 5, and 6 at your Clewiston Mill be amended to authorize the burning of soils from this mill's property that are contaminated with "virgin" fuels (No. 2 and No. 6 oils) and "on-spec" used oil (lubricants). Part of this request is acceptable, with conditions. Permit Numbers AO 26-182886/AC 26-2028A, Boiler No. 1; AO 26-186289/AC 503, Boiler No. 2; AO 26-116616/AC 26-2030A, Boiler No. 3; AO 26-147105/AC 26-2031A, Boiler No. 5; and AO 26-123705/AC 50-2032A, Boiler No. 6 are amended to authorize the burning of a total of 1,200 cubic yards of petroleum ("virgin" fuels and "on-spec" used oils) contaminated soil through the 1991-1992 season and up to 500 cubic yards during each future season. The contaminated soil input rate shall not exceed 2% by weight of the bagasse feed rate to the boilers. The permittee must also comply with Chapter 17-775, F.A.C. The boilers must comply with the permits (including emission limits for all pollutants), and Chapter 17-2, F.A.C., when burning the maximum amount of contaminated soil.

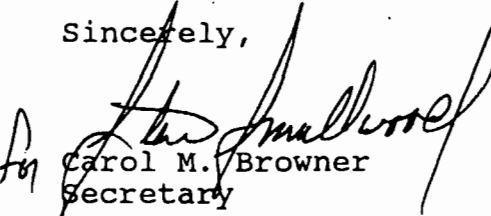
The permittee may conduct a test burn at contaminated soil feed rates of up to 10% by weight of the bagasse feed rate on each type of boiler addressed in this amendment. Contaminated soil feed rate, particulate matter, and volatile organic compounds emissions shall be measured during the test burn to allow a determination, based on the test protocol described in 40 CFR 60, Appendix C (July 1, 1989), of any actual emission rate increase. The Department will have to evaluate these test results before making a recommendation on allowing the burning of contaminated soil at a rate greater than 2% of the bagasse feed rate.

Mr. A. R. Mayo
Page 2 of 2

Annual compliance tests are to be conducted while burning soils. The permittee must keep records of the analysis and quantity of soil burned each season.

A copy of this letter must be filed with the referenced permits and shall become a part of those permits.

Sincerely,

for 
Carol M. Browner
Secretary

CMB/plm

Attachments: Mr. Parker Thomson's letter dated Nov. 12, 1990.
U.S. Sugar Corporation's letter dated Jan. 16, 1991.

c: David Knowles, South Dist.
Parker Thomson, Attorney
Don Ehlenbeck, BWC
Jim Stormer, PBCHD

Final Determination
Amendment of Permits

United States Sugar Corporation
Hendry County
Clewiston, Florida

<u>Sources</u>	<u>Permit Numbers</u>
Boiler No. 1	AO 26-182886/AC 26-2028A
Boiler No. 2	AO 26-186289/AC 503
Boiler No. 3	AO 26-116616/AC 26-2030A
Boiler No. 5	AO 26-147105/AC 26-2031A
Boiler No. 6	AO 26-123705/AC 26-2032A

Department of Environmental Regulation
Division of Air Resources Management
Bureau of Air Regulation

April 29, 1991

Final Determination on Permit Amendments

The technical analysis for the amendment to the construction/operation permits that would allow contaminated soil to be burned in the bagasse/No. 6 oil fired boilers Nos. 1, 2, 3, 5, and 6 at United States Sugar Corporation's Clewiston Mill located at W.C. Owens Avenue and Clewiston Street, Clewiston, Henry County, Florida 33440, was distributed on February 12, 1990. The Notice of Intent to Issue was published in the Clewiston News on March 13, 1991. Copies of the evaluation were available for public inspection at the Palm Beach County Health Department office in West Palm Beach and the Department's offices in Tallahassee and Fort Myers.

No comments were submitted on the Department's Intent to Amend these permits. The final action of the Department will be to amend the permits as proposed in the Evaluation.

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

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

3. Article Addressed to: Mr. A. R. Mayo, V.P. US Sugar Corp. P.O. Drawer 1207 Clewiston, FL 33440	4. Article Number P 407 853 151
Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee X	DER BACM
6. Signature - Agent X <i>E. Mayo</i>	
7. Date of Delivery 2/14/91	

PS Form 3811, Apr 1989

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

DOMESTIC RETURN RECEIPT

P 407 853 151
RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

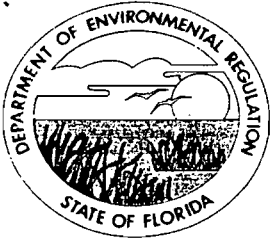
U.S.G.P.O. 1989-234-555

Sent to Mr. A. R. Mayo, V.P.	
US Sugar Corp.	
Street and No. P.O. Drawer 1207	
City and Zip Code Clewiston, FL 33440	
Postage	\$
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	\$
Postmark or Date mailed: 2/12/91	
AO 26-182886/AC 26-2028A	
AO 26-186289/AC 503-...	
AO 26-116616/AC 26-2030A (over)	

PS Form 3800, June 1985

AO 26-147105/AC 26-2031A; AO 26-123705/AC 26-2032A

File Copy



Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

February 11, 1991

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. A. R. Mayo, Vice President
United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

Dear Mr. Mayo:

Attached is one copy of the Department's evaluation of your request to amend the permits for boilers Nos. 1, 2, 3, 5, and 6 at the Clewiston Mill.

Note that you are required to publish a Notice of Intent to Issue and the Department will be required to consider any public comments submitted in response to this notice prior to amending these permits. Also, you will have to comply with the Bureau of Waste Cleanup regulations (Rule 17-775, F.A.C.) when treating contaminated soil.

Please submit any written comments you wish to have considered concerning the Department's proposed action to Mr. Barry Andrews of the Bureau of Air Regulation.

Sincerely,

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

CHF/WH/plm

Attachments

c: David Knowles, South Dist.
Parker Thomson, Attorney
Don Ehlenbeck, BWC
Jim Stormer, PBCHD

Ready File }
Willard Hanks } 2-12-91 RJK

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

AO 26-182886/AC 26-2028A
AO 26-186289/AC 503
AO 26-116616/AC 26-2030A
AO 26-147105/AC 26-2031A
AO 26-123705/AC 26-2032A

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its intent to issue an amendment (copy attached) to the referenced permits as detailed in the file specified above. The Department is issuing this Intent to Issue for the reasons stated in the attached Amendment of Permits Evaluations.

The permittee, United States Sugar Corporation, requested on January 11, 1991, that the Department of Environmental Regulation amend the current permits for the bagasse/oil fired boilers Nos. 1, 2, 3, 5, and 6 at their sugar mill located at W.C. Owens Avenue and Clewiston Street, Clewiston, Hendry County, Florida, to allow soils contaminated with "virgin" fuels (No. 2 and No. 6 oil) and "on-spec" used oil (lubricants) to be burned with the normal fuels in these boilers.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 17-2 and 17-4. The project is not exempt from permitting procedures. The Department has determined that air construction permit amendments are required for the proposed work.

Pursuant to Section 403.815, F.S. and DER Rule 17-103.150, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue. The notice shall be published one time only within 30 days, in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "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. The applicant shall provide proof of publication to the Department, at the address specified within seven days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permits.

The Department will issue the permit amendments with the attached conditions unless a petition for an administrative proceeding (hearing) is filed pursuant to the provisions of Section 120.57, F.S.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant and the parties listed below must be filed within 14 days of receipt of this intent. Petitions filed by other persons must be filed within 14 days of publication of the public notice or within 14 days of receipt of this intent, whichever first occurs. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information:

(a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;

(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;

(c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;

(d) A statement of the material facts disputed by Petitioner, if any;

(e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;

(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and

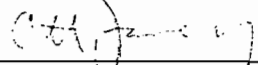
(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the applications have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office in General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such

person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



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

Copies furnished to:

David Knowles, South Dist.
Parker Thomson, Attorney
Don Ehlenbeck, BWC
Jim Stormer, PBCHD

BEST AVAILABLE COPY

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF INTENT TO ISSUE and all copies were mailed before the close of business on 2-12-91.

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to
§120.52(9), Florida Statutes, with
the designated Department Clerk,
receipt of which is hereby
acknowledged.

Kim Jaker
Clerk

2-12-91
Date

State of Florida
Department of Environmental Regulation
Notice of Intent to Issue

The Department of Environmental Regulation hereby gives notice of its intent to issue an amendment to the existing permits that will authorize the burning of soil contaminated with "virgin" fuels (No. 2 and No. 6 oil) and "on-spec" used oil (lubricants) in the existing bagasse/oil fired boilers Nos. 1, 2, 3, 5, and 6 at U.S. Sugar Corporation's sugar mill, located at W.C. Owens Avenue and Clewiston Street, Clewiston, Hendry County, Florida. The allowable emissions and ambient air impact of the boilers will not change as a result of burning this soil. A determination of Best Available Control Technology (BACT) was not required. The Department is issuing this Intent to Issue for the reasons stated in the Amendment of Permits Evaluation.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the applications have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

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

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

Department of Environmental Regulation
South District
2269 Bay Street
Fort Myers, Florida 33901-2896

Palm Beach County Health Dept.
Division of Environmental Science
and Engineering
901 E. Evernia Street
West Palm Beach, Florida 33402

Any person may send written comments on the proposed action to Mr. Barry Andrews at the Department's Tallahassee address. All comments mailed within 14 days of the publication of this notice will be considered in the Department's final determination.

Amendment of Permits Evaluation

United States Sugar Corporation
Hendry, County
Clewiston, Florida

<u>Sources</u>	<u>Permit Numbers</u>
Boiler No. 1	AO 26-182886/AC 26-2028A
Boiler No. 2	AO 26-186289/AC 503
Boiler No. 3	AO 26-116616/AC 26-2030A
Boiler No. 5	AO 26-147105/AC 26-2031A
Boiler No. 6	AO 26-123705/AC 26-2032A

Department of Environmental Regulation
Division of Air Resources Management
Bureau of Air Regulation

February 11, 1991

I. General Information

A. Permittee

United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

B. Request

On January 11, 1991, the attorney for the permittee submitted a written request to amend the permits for bagasse/oil fired boilers Nos. 1, 2, 3, 5, and 6 at the sugar mill located at W.C. Owens Avenue and Clewiston Street, Clewiston, Hendry County, Florida. The amendment would authorize the burning of soils contaminated with "virgin" fuels (No. 2 and No. 6 fuel oil) and "on-spec" used oils (lubricants) in these boilers.

C. Emissions

Each boiler is currently permitted to burn bagasse and fuel oils. The allowable particulate matter emissions are 0.25 lbs/MMBtu (boilers Nos. 1 and 2) and 0.30 lbs/MMBtu (boilers Nos. 3, 5, and 6) for bagasse, and 0.10 lbs/MMBtu for fuel oil. The permittee has stated that the emissions from the scrubbers controlling these boilers will meet the permitted standards when the boilers are treating contaminated soil.

II. Rule Applicability

The proposed project, burning contaminated soil in existing bagasse/fuel oil fired boilers, is subject to Chapter 403, Florida Statutes, and Chapter 17-2 Florida Administrative Code.

The sources are in an area designated attainment for the criteria pollutants (F.A.C. Rule 17-2.420).

The boilers are major sources because emissions exceed 100 TPY. The proposed project is not subject to preconstruction review because it will not result in an increase in emissions.

The sources will remain subject to the restrictions in their current permits.

III. Technical Evaluation

Fuel leaks and spills have contaminated some soils at U.S. Sugar Corporation's Clewiston Mill. The contaminants are "virgin" No. 2 and No. 6 fuel oil and "on-spec" used oils from their own operation. The Department is not authorizing the boilers to burn contaminated soil from any other site.

Presently, the permittee has accumulated approximately 1,200 cubic yards of contaminated soil. They anticipate generating 500 cubic yards of contaminated soil each year.

The boilers are allowed to burn bagasse, No. 2 and No. 6 fuel oils, and "on-spec" used oil. The bagasse contains dirt from the fields which is not entirely removed in the crushing process and thus passes through the boilers. The permittee is requesting permission to add contaminated soil to the bagasse at approximately 2 to 10% of the rate by weight of the bagasse fuel. The oils will be evaporated from the soil and burned in the boilers. The flue gases containing the products of combustion will pass through scrubbers before being exhausted to the atmosphere. With low quantities (2%) of contaminated soil being fed to the boilers, the Department believes that the scrubbers will reduce the emissions to below the allowable limits in the permits for the boilers. The Department is proposing a permit amendment that will limit contaminated soil feed to the boilers to approximately 2% of the bagasse feed rate.

At higher rates (10%), the Department does not have reasonable assurance that the emissions of particulate matter or VOC from the boilers will remain the same. The proposed amendment will allow one test with a contaminated soil feed rate of up to 10% on each type of boiler. The Department will have to evaluate these test results before making a recommendation on allowing the burning of contaminated soil in these boilers at rates greater than 2% of the bagasse feed.

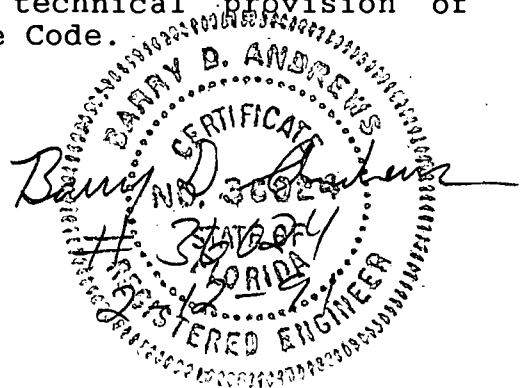
Chapter 17-775, F.A.C., requires the permittee to analyze the soil prior to treatment and prior to disposal to show that it is in compliance with the Bureau of Waste Cleanup regulations.

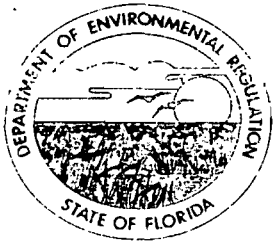
IV. Air Quality Analysis

As burning the contaminated soil in the boilers will not increase emissions, the ambient air impact of the sources will be unchanged.

V. Conclusion

Based on the information provided by U.S. Sugar Corporation, the Department has reasonable assurance that the proposed amendment to the existing permits for the bagasse/oil fired boilers at the Clewiston Mill, as described in this evaluation, and subject to the conditions proposed herein, will not cause or contribute to a violation of any air quality standard, PSD increment, or any other technical provision of Chapter 17-2 of the Florida Administrative Code.





Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

February 11, 1991

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. A. R. Mayo, Vice President
United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

Dear Mr. Mayo:

Re: Amendment of the Clewiston Mill Permits

The Department is in receipt of Mr. Parker Thomson's January 11, 1991, letter requesting the permits for the bagasse/No. 6 oil fired boilers Nos. 1, 2, 3, 5, and 6 at your Clewiston Mill be amended to authorize the burning of soils from this mill's property that are contaminated with "virgin" fuels (No. 2 and No. 6 oils) and "on-spec" used oil (lubricants). Part of this request is acceptable, with conditions. Permit numbers AO 26-182886/AC 26-2028A, Boiler No. 1; AO 26-186289/AC 503, Boiler No. 2; AO 26-116616/AC 26-2030A, Boiler No. 3; AO 26-147105/AC 26-2031A, Boiler No. 5; and AO 26-123705/AC 50-2032A, Boiler No. 6 are amended to authorize the burning of a total of 1,200 cubic yards of petroleum ("virgin" fuels and "on-spec" used oils) contaminated soil through the 1990-1991 season and up to 500 cubic yards during each future season. The contaminated soil input rate shall not exceed 2% of the bagasse feed rate to the boilers. The permittee must also comply with Chapter 17-775, F.A.C. The boilers must comply with the permits (including emission limits for all pollutants), and Chapter 17-2, F.A.C., when burning the maximum amount of contaminated soil.

The permittee may conduct a test burn at contaminated soil feed rates of up to 10% of the bagasse feed rate on each type of boiler addressed in this amendment. Contaminated soil feed rate, particulate matter and volatile organic compounds emissions shall be measured during the test burn to allow a determination, based on the test protocol described in 40 CFR 60, Appendix C (July 1, 1988), of any actual emission rate increase. The Department will have to evaluate these test results before making a recommendation on allowing the burning of contaminated soil at rates greater than 2% of the bagasse feed.

Mr. A. R. Mayo
Page 2 of 2

Annual compliance tests are to be conducted while burning soils. The permittee must keep records of the analysis and quantity of soil burned each season.

A copy of this letter must be filed with the referenced permits and shall become a part of those permits.

Sincerely,

Carol M. Browner, Secretary

SS/WH/plm

Attachment: Mr. Parker Thomson's letter dated November 12, 1990.
U.S. Sugar Corporation letter dated January 16, 1991.

c: David Knowles, South Dist.
Parker Thomson, Attorney
Don Ehlenbeck, BWC
Jim Stormer, PBCHD

Attachments Available Upon Request

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

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

3. Article Addressed to: Mr. A. R. Mayo, Vice President United States Sugar Corp. P. O. Drawer 1207 Clewiston, FL 33440	4. Article Number P 407 853 166
	Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise
	Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X	
7. Date of Delivery FEB 28 1991	

PS Form 3811, Apr. 1989

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

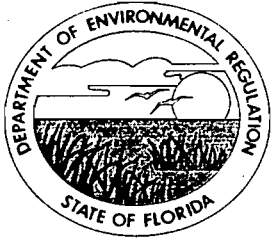
DOMESTIC RETURN RECEIPT

P 407 853 166
RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

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

Sent to Mr. A. R. Mayo, U.S. Sugar	
Street and No. P. O. Drawer 1207	
P.O., State and ZIP Code Clewiston, FL 33440	
Postage	S
Certified Fee	
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt showing to whom and Date Delivered	
Return Receipt showing to whom, Date, and Address of Delivery	
TOTAL Postage and Fees	S
Postmark or Date Mailed: 2-25-91 Permit: Bryant Mill	

PS Form 3800, June 1985



Florida Department of Environmental Regulation

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

Lawton Chiles, Governor

Carol M. Browner, Secretary

February 5, 1991

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. A. R. Mayo, Vice President
United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

Dear Mr. Mayo:

Re: Amendment of the Bryant Mill Permits

The Department is in receipt of Mr. Parker Thomson's November 12, 1990, letter requesting the permits for the bagasse/No. 6 oil fired boilers Nos. 1, 2, and 3 at your Bryant mill be amended to authorize the burning of soils from this mill's property that are contaminated with "virgin" fuels (No. 2 and No. 6 oils) and "on-spec" used oil (lubricants) in these boilers. This request is acceptable, with conditions. Permit numbers AO 50-116610/AC 50-2041A, Boiler No. 1; AO 50-116613/AC 50-2042A, Boiler No. 2; and AO 50-182890/AC 50-2043A, Boiler No. 3 are amended to authorize the burning of a total of 6,000 cubic yards of petroleum ("virgin" fuels and "on-spec" used oils) contaminated soil through the 1991 and 1992 seasons and up to 500 cubic yards during future seasons. The soil must comply with Chapter 17-775, F.A.C. The boilers must comply with the permits (including emission limits for all pollutants), and Chapter 17-2, F.A.C., when burning the maximum amount of contaminated soil (estimated at 2% of the bagasse feed rate) in the boilers. Annual compliance tests are to be conducted while burning soils. The permittee must keep records of the analysis and quantity of soil burned each season.

A copy of this letter must be filed with the referenced permits and shall become a part of those permits.

Sincerely,

Carol M. Browner, Secretary

CMB/plm

Attachment: Mr. Parker Thomson's letter dated November 12, 1990.
c: David Knowles, South Dist.
Parker Thomson, Attorney
Don Ehlenbeck, BWC
Jim Stormer, PBCHD

Final Determination on
Amendment of Permits

United States Sugar Corporation
Palm Beach, County
Bryant, Florida

<u>Sources</u>	<u>Permit Numbers</u>
Boiler No. 1	AO 50-116610/AC 50-2041A
Boiler No. 2	AO 50-116613/AC 50-2042A
Boiler No. 3	AO 50-182890/AC 50-2043A

Department of Environmental Regulation
Division of Air Resources Management
Bureau of Air Regulation

January 30, 1991

Final Determination on Permit Amendments

The Amendment of Permits Evaluation for the construction/operation permits that would allow contaminated soil to be burned in bagasse/No. 6 oil fired boiler Nos. 1, 2, and 3 at United States Sugar Corporation's Bryant Mill on U.S. Highway 98 in Bryant, Palm Beach County, Florida, was distributed on December 20, 1990. The Notice of Intent to Issue was published in The Palm Beach Post on January 2, 1991. Copies of the evaluation were available for public inspection at the Palm Beach County Health Department office in West Palm Beach and the Department offices in Fort Myers and Tallahassee.

The only comments received were from the permittee. In a letter dated January 16, 1991, United States Sugar Corporation requested permission to burn contaminated soil at a rate of up to 10% of the bagasse feed rate in these boilers, and to be allowed to burn the contaminated soil presently accumulated at the plant site in two seasons instead of the 1990-1991 season. The request to burn at the higher (10%) rate is still under consideration by the Department, and action will be taken on it at a future date.

The Department believes there will be no measurable increase in emissions when the contaminated soil is fed into the boiler at 2% of the bagasse feed rate. The permittee's request to burn the accumulated contaminated soil over two instead of one season is acceptable to the Department.


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



State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION

For Routing To Other Than The Addressee	
To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

Interoffice Memorandum

TO: Carol M. Browner
FROM: Steve Smallwood 
DATE: February 5, 1991
SUBJ: Approval of Amendment of Permits
U.S. Sugar Corporation - Bryant Mill

*Please call
Patty Adams
when signed
8-1344*

Attached for your approval and signature is a letter amending the permits for the bagasse/No. 6 fuel oil fired boilers at the referenced facility.

I recommend approval of this amendment.

SS/WH/plm

Attachments

RECEIVED
FEB 8 1991

Office of the Secretary



ESE-WPB

January 7, 1990

RECEIVED

JAN 11 1991

DER-BAQM

C.H. Fancy, P.E.
Chief, Bureau of Air Regulation
Florida Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, FL 32301-8241

Re: Burning of Soil Contaminated With "On-Spec" Used Oil in
U.S. Sugar Corporation's Bryant Boilers #1, 2, and 3

Dear Mr. Fancy:

We have no objection to the proposed burning of contaminated soil in the boilers at U.S. Sugar Corporation's Bryant facility. However, we would like to see the annual compliance test run while using the 2% contaminated soil and bagasse mixture. We feel this measure would abate any doubts as to an increase in emissions.

Sincerely,

Jeffery F. Koerner
Engineer II
Palm Beach County Public Health Unit

JFK/lh

UNITED STATES SUGAR CORPORATION

Post Office Drawer 1207 Clewiston, Florida 33440
Telephone: (813) 983-8121 Telex: 510-952-7753

January 4, 1991

RECEIVED

JAN 9 - 1991

DER-BAQM

Mr. C. H. Fancy, P.E.
Florida Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Dear Mr. Fancy:

We are enclosing Affidavit of Proof of Publication certifying that the Notice of Intent forwarded to us with your December 20, 1990 letter was duly published in the legal advertising section of the January 2, 1991 issue of the Palm Beach Post newspaper.

Very truly yours,

UNITED STATES SUGAR CORPORATION

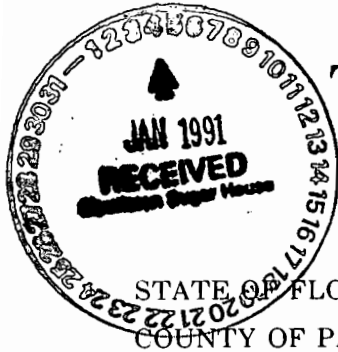


Peter Barquin
Administrative Assisant to
Senior Vice President
Sugar Houses

PB:jt
Enclosure

cc: Mr. David Knowles, South District
Mr. Parker Thompson, Attorney
Mr. Jim Stormer, PBC Health Dept.
Mr. Don Ehlenbeck, Bur. of Waste Cleanup

W. Barbo



THE PALM BEACH POST

Published Daily and Sunday
West Palm Beach, Palm Beach County, Florida

PROOF OF PUBLICATION

Before the undersigned authority personally appeared Chris Bull
who on oath says that she/he is Class. Sales Mgr. of The Palm Beach Post,
a daily and Sunday newspaper published at West Palm Beach in Palm Beach County,
Florida; that the attached copy of advertising, being a _____
Notice
in the matter of _____ intent to issue
in the _____ Court, was published in said newspaper in
the issues of January 2, 1991

Affiant further says that the said The Post is a newspaper published at West Palm Beach, in said Palm Beach County, Florida, and that the said newspaper has heretofore been continuously published in said Palm Beach County, Florida, daily and Sunday and has been entered as second class mail matter at the post office in West Palm Beach, in said Palm Beach County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that she/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.

Sworn to and subscribed before me this 2 day of January A.D. 19 91

NOTARY PUBLIC STATE OF FLORIDA
MY COMMISSION EXPIRES _____ 1992

NO. 344223
State of Florida
Department of
Environmental Regulation
Notice of Intent to Issue
The Department of Environmental Regulation hereby gives notice of its intent to issue an amendment to permits Nos. AO 50-116610 (AC 50-2041A), AO 50-116613 (AC 50-2042A), AO 50-182890 (AC 50-2043A) that will authorize the burning of soil contaminated with "virgin" fuels (No. 2 and No. 6 oil) and "on-spec" used oil (lubricants) in the existing bagasse/oil fired boilers Nos. 1, 2, and 3 at U.S. Sugar Corporation's sugar mill, located on U.S. Hwy 96 in Bryon, Palm Beach, Florida. The allowable emissions and ambient air impact of the boilers will not change as a result of burning this soil. A determination of Best Available Control Technology (BACT) was not required. The Department is issuing this intent to issue for the reasons stated in the Amendment of Permits Evaluation.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative (hearing) under Section 120.57, Florida Statutes. The Petition shall contain the following information:

(a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;

(b) A statement of how and when each petitioner received notice of the Department's action or proposed action;

(c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;

(d) A statement of the material facts disputed by Petitioner, if any;

(e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or pro-

(f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the application have the right to petition to be a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

The applications are 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 Regulation
Bureau of Air Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400
Department of Environmental Regulation
South District
2269 Bay Street
Fort Myers, Florida 33901-2896
Palm Beach County Health Dept.
Division of Environmental Science and Engineering
901 E. Evernia Street
West Palm Beach, Florida 33402

Any person may send written comments on the proposed action to Mr. Barry Andrews at the Department's Tallahassee address. All comments mailed within 14 days of the publication of this notice will be considered in the Department's final determination.
PUB: Palm Beach Post
January 2, 1991

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

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

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

Article Addressed to: M. A. R. Mayo, VP U.S. Sugar Corp. P.O. Drawer 1207 Clewiston, FL 33440		4. Article Number P 256 395 058	
		Type of Service: <input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail <input type="checkbox"/> Return Receipt for Merchandise	
5. Signature - Addressee X		Always obtain Signature of addressee or agent and DATE DELIVERED.	
6. Signature - Agent X <i>E. Mignotti</i>		8. Addressee's Address (ONLY if requested and fee paid)	
7. Date of Delivery			

PS Form 3811, Apr. 1989

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

DOMESTIC RETURN RECEIPT

P 256 395 058

RECEIPT FOR CERTIFIED MAIL

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

U.S.G.P.O. 1989-234-555	Sent to <i>M. A. R. Mayo</i>
	Street and No. <i>U.S. Sugar Corp</i>
	P.O. State and ZIP Code <i>P.O. Drawer 1207</i>
	Postage <i>Clewiston FL</i>
	Certified Fee <i>1</i>
	Special Delivery Fee
	Restricted Delivery Fee
	Return Receipt showing to whom and Date Delivered
	Return Receipt showing to whom, Date, and Address of Delivery
	TOTAL Postage and Fees <i>S</i>
PS Form 3800, June 1985	Postmark or Date <i>12-20-90</i>
	<i>A050-116610/AC50-2041A</i>
	<i>03/2042A</i>
	<i>090/2043A</i>



Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

December 20, 1990

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. A. R. Mayo, Vice President
United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

Dear Mr. Mayo:

Attached is one copy of the Department's evaluation of your request to amend the permits for boilers Nos. 1, 2, and 3 at the Bryant Mill.

Note that you are required to publish a Notice of Intent to Issue and the Department will be required to consider any public comments submitted in response to this notice prior to amending these permits. Also, you will have to comply with the Bureau of Waste Cleanup regulations (Rule 17-775, F.A.C.) when treating contaminated soil.

Please submit any written comments you wish to have considered concerning the Department's proposed action to Mr. Barry Andrews of the Bureau of Air Regulation.

Sincerely,

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

CHF/WH/plm

Attachments

c: David Knowles, South Dist.
Parker Thomson, Attorney
Don Ehlenbeck, BWC
Jim Stormer, PBCHD

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

AO 50-116610/AC 50-2041A
AO 50-116613/AC 50-2042A
AO 50-182890/AC 50-2043A

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its intent to issue an amendment (copy attached) to the referenced permits as detailed in the file specified above. The Department is issuing this Intent to Issue for the reasons stated in the attached Amendment of Permits Evaluations.

The permittee, United States Sugar Corporation, requested on November 12, 1990, that the Department of Environmental Regulation amend the current permits for the bagasse/oil fired boilers Nos. 1, 2, and 3 at their sugar mill located on U.S. Route 98, Bryant, Palm Beach County, Florida, to allow soils contaminated with "virgin" fuels (No. 2 and No. 6 oil) and "on-spec" used oil (lubricants) to be burned with the normal fuels in these boilers.

The Department has permitting jurisdiction under Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 17-2 and 17-4. The project is not exempt from permitting procedures. The Department has determined that air construction permit amendments are required for the proposed work.

Pursuant to Section 403.815, F.S. and DER Rule 17-103.150, F.A.C., you (the applicant) are required to publish at your own expense the enclosed Notice of Intent to Issue. The notice shall be published one time only within 30 days, in the legal ad section of a newspaper of general circulation in the area affected. For the purpose of this rule, "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. The applicant shall provide proof of publication to the Department, at the address specified within seven days of publication. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permits.

The Department will issue the permit amendments with the attached conditions unless a petition for an administrative proceeding (hearing) is filed pursuant to the provisions of Section 120.57, F.S.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant and the parties listed below must be filed within 14 days of receipt of this intent. Petitions filed by other persons must be filed within 14 days of publication of the public notice or within 14 days of receipt of this intent, whichever first occurs. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information:

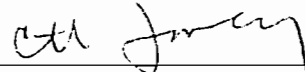
- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and
- (g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the applications have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office in General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such

person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



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

Copies furnished to:

David Knowles, South Dist.
Parker Thomson, Attorney
Don Ehlenbeck, BWC
Jim Stormer, PBCHD

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF INTENT TO ISSUE and all copies were mailed before the close of business on 12-20-90.

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to
§120.52(9), Florida Statutes, with
the designated Department Clerk,
receipt of which is hereby
acknowledged.

Kym Jaber
Clerk

12-20-90
Date

State of Florida
Department of Environmental Regulation
Notice of Intent to Issue

The Department of Environmental Regulation hereby gives notice of its intent to issue an amendment to permits Nos. AO 50-116610 (AC 50-2041A), AO 50-116613 (AC 50-2042A), AO 50-182890 (AC 50-2043A) that will authorize the burning of soil contaminated with "virgin" fuels (No. 2 and No. 6 oil) and "on-spec" used oil (lubricants) in the existing bagasse/oil fired boilers Nos. 1, 2, and 3 at U.S. Sugar Corporation's sugar mill, located on U.S. Hwy 98 in Bryant, Palm Beach, Florida. The allowable emissions and ambient air impact of the boilers will not change as a result of burning this soil. A determination of Best Available Control Technology (BACT) was not required. The Department is issuing this Intent to Issue for the reasons stated in the Amendment of Permits Evaluation.

A person whose substantial interests are affected by the Department's proposed permitting decision may petition for an administrative proceeding (hearing) in accordance with Section 120.57, Florida Statutes. The petition must contain the information set forth below and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Petitioner shall mail a copy of the petition to the applicant at the address indicated above at the time of filing. Failure to file a petition within this time period shall constitute a waiver of any right such person may have to request an administrative determination (hearing) under Section 120.57, Florida Statutes.

The Petition shall contain the following information:

- (a) The name, address, and telephone number of each petitioner, the applicant's name and address, the Department Permit File Number and the county in which the project is proposed;
- (b) A statement of how and when each petitioner received notice of the Department's action or proposed action;
- (c) A statement of how each petitioner's substantial interests are affected by the Department's action or proposed action;
- (d) A statement of the material facts disputed by Petitioner, if any;
- (e) A statement of facts which petitioner contends warrant reversal or modification of the Department's action or proposed action;
- (f) A statement of which rules or statutes petitioner contends require reversal or modification of the Department's action or proposed action; and

(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this Notice. Persons whose substantial interests will be affected by any decision of the Department with regard to the applications have the right to petition to become a party to the proceeding. The petition must conform to the requirements specified above and be filed (received) within 14 days of publication of this notice in the Office of General Counsel at the above address of the Department. Failure to petition within the allowed time frame constitutes a waiver of any right such person has to request a hearing under Section 120.57, F.S., and to participate as a party to this proceeding. Any subsequent intervention will only be at the approval of the presiding officer upon motion filed pursuant to Rule 28-5.207, F.A.C.

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

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

Department of Environmental Regulation
South District
2269 Bay Street
Fort Myers, Florida 33901-2896

Palm Beach County Health Dept.
Division of Environmental Science
and Engineering
901 E. Evernia Street
West Palm Beach, Florida 33402

Any person may send written comments on the proposed action to Mr. Barry Andrews at the Department's Tallahassee address. All comments mailed within 14 days of the publication of this notice will be considered in the Department's final determination.

Amendment of Permits Evaluation

United States Sugar Corporation
Palm Beach, County
Bryant, Florida

<u>Sources</u>	<u>Permit Numbers</u>
Boiler No. 1	AO 50-116610/AC 50-2041A
Boiler No. 2	AO 50-116613/AC 50-2042A
Boiler No. 3	AO 50-182890/AC 50-2043A

Department of Environmental Regulation
Division of Air Resources Management
Bureau of Air Regulation

December 19, 1990

I. General Information

A. Permittee

United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

B. Request

On November 12, 1990, the attorney for the permittee submitted a written request to amend the permits for bagasse/oil fired boilers Nos. 1, 2, and 3 at the sugar mill located on U.S. Highway 98 in Bryant, Palm Beach County, Florida. The amendment would authorize the burning of soils contaminated with "virgin" fuels (No. 2 and No. 6 fuel oil) and "on-spec" used oils (lubricants).

C. Emissions

Each boiler is currently permitted to burn bagasse and fuel oils. The allowable particulate matter emissions are 0.30 lbs/MMBtu for bagasse, and 0.10 lbs/MMBtu for fuel oil. The permittee has stated that the emissions from the scrubbers controlling these boilers will meet the permitted standards when the boilers are treating contaminated soil.

II. Rule Applicability

The proposed project, burning contaminated soil in existing bagasse/fuel oil fired boilers, is subject to Chapter 403, Florida Statutes, and Chapter 17-2 Florida Administrative Code.

The sources are in an area designated nonattainment for ozone (F.A.C. Rule 17-2.410) and attainment for the other criteria pollutants (F.A.C. Rule 17-2.420).

The boilers are major sources because emissions exceed 100 TPY. The proposed project is not subject to preconstruction review because it will not result in an increase in emissions.

The sources will remain subject to the restrictions in their current permits.

III. Technical Evaluation

Fuel leaks and spills have contaminated some soils at U.S. Sugar Corporation's Bryant Mill. The contaminants are "virgin" No. 2 and No. 6 fuel oil and "on-spec" used oils from their own operation. The Department is not authorizing the boilers to burn contaminated soil from any other site. Presently, the permittee has accumulated approximately 6,000 cubic yards of contaminated soil. They anticipate generating 500 cubic yards of contaminated soil each year.

The boilers are allowed to burn bagasse, No. 2 and No. 6 fuel oils, and "on-spec" used oil. The bagasse contains dirt from the fields which is not entirely removed in the crushing process and thus passes through the boilers. The permittee is requesting permission to add contaminated soil to the bagasse at approximately 2% of the rate by weight of the bagasse fuel. The oils will be evaporated from the soil and burned in the boilers. The flue gases containing the products of combustion will pass through scrubbers before being exhausted to the atmosphere. The Department believes that the scrubbers will reduce the emissions to below the allowable limits in the permits for the boilers.

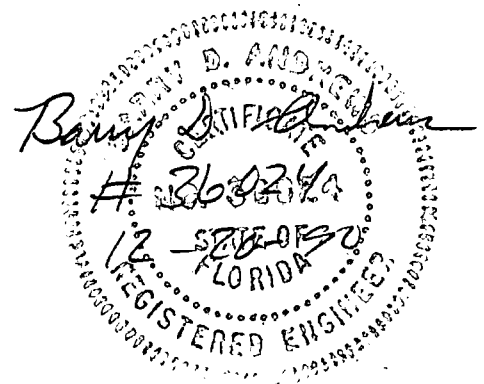
Chapter 17-775, F.A.C., requires the permittee to analyze the soil prior to treatment and prior to disposal to show that it is in compliance with the Bureau of Waste Cleanup regulations.

IV. Air Quality Analysis

As burning the contaminated soil in the boilers will not increase emissions, the ambient air impact of the sources will be unchanged.

V. Conclusion

Based on the information provided by U.S. Sugar Corporation, the Department has reasonable assurance that the proposed amendment to the existing permits for the bagasse/oil fired boilers at the Bryant Mill, as described in this evaluation, and subject to the conditions proposed herein, will not cause or contribute to a violation of any air quality standard, PSD increment, or any other technical provision of Chapter 17-2 of the Florida Administrative Code.





Florida Department of Environmental Regulation

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

Bob Martinez, Governor

Dale Twachtmann, Secretary

John Shearer, Assistant Secretary

December 20, 1990

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. A. R. Mayo, Vice President
United States Sugar Corporation
P. O. Drawer 1207
Clewiston, Florida 33440

DRAFT

Dear Mr. Mayo:

Re: Amendment of Permits

The Department is in receipt of Mr. Parker Thomson's November 12, 1990, letter requesting the permits for the bagasse/No. 6 oil fired boilers Nos. 1, 2, and 3 at your Bryant mill be amended to authorize the burning of soils from this mill's property that are contaminated with "virgin" fuels (No. 2 and No. 6 oils) and "on-spec" used oil (lubricants) in these boilers. This request is acceptable, with conditions. Permit numbers AO 50-116610/AC 50-2041A, Boiler No. 1; AO 50-116613/AC 50-2042A, Boiler No. 2; and AO 50-182890/AC 50-2043A, Boiler No. 3 are amended to authorize the burning of a total of 6,000 cubic yards of petroleum ("virgin" fuels and "on-spec" used oils), contaminated soil during the 1990-1991 season and up to 500 cubic yards during future seasons. The soil must comply with Chapter 17-775, F.A.C. The boilers must comply with the permits (including emission limits for all pollutants), and Chapter 17-2, F.A.C., when burning the maximum amount of contaminated soil (estimated at 2% of the bagasse feed rate) in the boilers. Annual compliance tests are to be conducted while burning soils. The permittee must keep records of the analysis and quantity of soil burned each season.

A copy of this letter must be filed with the referenced permits and shall become a part of those permits.

Sincerely,

STEVE SMALLWOOD, P.E.
Director
Division of Air Resources
Management

SS/WH/plm

Attachment: Mr. Parker Thomson's letter dated November 12, 1990.

c: David Knowles, South Dist.
Parker Thomson, Attorney
Don Ehlenbeck, BWC
Jim Stormer, PBCHD



THOMSON MURARO BOHRER & RAZOOK, P.A.

ATTORNEYS AT LAW
1700 AMERIFIRST BUILDING
ONE SOUTHEAST THIRD AVENUE
MIAMI, FLORIDA 33131

TELEPHONE
(305) 350-7200
TELECOPIER
(305) 374-1005

November 12, 1990

RECEIVED

NOV 13 1990

DER-BAQM

Mr. Willard Hanks
Division of Air Resources Management
Department of Environmental Regulation
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Amendment to Air Construction and Operating Permits for
Boilers at United States Sugar Corporation Bryant
Mill

Dear Mr. Hanks:

We appreciate and thank you and Mr. Andrews for meeting with us on short notice to discuss the matters set forth in this letter.

We are hereby seeking amendments to the operating permits for Boilers #1, 2, and 3 at the Bryant Mill of United States Sugar Corporation ("USSC"). These operating permits bear #A050-116610, A050-116613 and A050-182890. To facilitate your review of this request we enclose copies of these three operating permits. We are reviewing to see if the original construction permits for these boilers are still available.

These boilers presently are licensed to burn bagasse and Diesel #6 (Bunker C). In addition, in accordance with the FDER's general directive dated January 5, 1987, USSC recycles "on-specification" used oil in these industrial boilers. The requested amendment is the burning of soils impacted both with Diesel #6 (Bunker C) and "on-specification" used oil in these boilers under the circumstances and subject to the limitations specified in this letter.

USSC has performed initial remedial actions consisting of removal of soils at the Bryant Mill impacted with Diesel #6 (Bunker C) and diesel and lubricating oils. These impacted soils (being approximately 83% Diesel #6 (Bunker C), 6% diesel, and 11% lubricating oil totalling approximately 6000 cu.yds.) are presently

THOMSON MURARO BOHRER & RAZOOK, P.A.

Mr. Willard Hanks
November 12, 1990
Page 2

staged at the Bryant Mill on top of a visqueen base, and covered with visqueen. USSC has reviewed with the Fort Myers district office of FDER the documentation related to the remediation of all these soils and that office has concluded it is satisfied that all impacted soils have been adequately removed. The only remaining matter is the disposal of these impacted soils. The Fort Myers district office has advised USSC that it does not have any problem with USSC's proposed on-site thermal treatment of these soils, subject to your review of the issue.

Our consultants, ERM-South, had laboratory tests performed on the excavated soils. These tests demonstrate not only that the soils are in no way hazardous by characteristic according to testing requirements set forth in Chapter 17-730, Florida Administrative Code, Hazardous Waste, but also that the soils fully meet criteria specified in Chapter 17-775, Florida Administrative Code, Soil Thermal Treatment Facilities (Proposed) and criteria for recycling of used oils in industrial boilers in accordance with FDER directive dated January 5, 1987. A tabular summary of the soils data is Attachment 1A and the test data underlying this summary is Attachment 1B.

When the sugar cane is brought to the mill for processing, a substantial amount of soil comes with it. Although most of this soil is removed during the milling process, a significant amount of soil still passes with the bagasse into the boilers. It is removed with the ash after firing of the bagasse in the boilers, and passes to the ash ponds.

It is the intention of USSC to place the impacted soils on the bagasse conveyors in an orderly way so as to dispose of the impacted soils as quickly as feasible without reducing boiler efficiency or exceeding emission standards. In that the bagasse conveyors already convey soil into the boilers, it is estimated that the additional soils will only increase the soil content of the bagasse from about 1% of average bagasse throughput to about 2% of average bagasse throughput during the period of disposition of these soils.

Data as to the characteristics of the boilers to be utilized for the thermal treatment of the impacted soils are set forth in Attachment 2.

THOMSON MURARO BOHRER & RAZOOK, P.A.

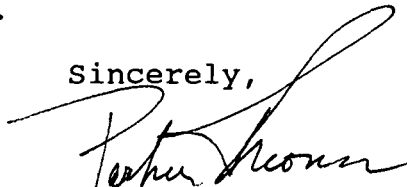
Mr. Willard Hanks
November 12, 1990
Page 3

Because of the small soils analysis set forth in Attachment 1A, the amount of soils throughput contemplated, and allowable quantities of bagasse to be burned, USSC and our consultants, ERM-South, conclude that the additional soils throughput would cause no violation of current permit emissions limits and would result in an ash which would fully meet clean fill criteria as specified in Chapter 17-775, Florida Administrative Code.

USSC desires permit amendments to provide for thermal treatment of approximately 6000 cu.yds. of impacted soils during the 1990-1 processing season and no more than 500 cu.yds. in each subsequent processing season. The requested permit amendments contemplate that only soils impacted on USSC property will be thermally treated and, in no event, will USSC thermally treat soils of outside parties.

We anticipate being ready to implement soil treatment as soon as approval of the requested permit amendments are received, and expect that all soils can be processed within the milling season. We therefore request expedition to the maximum possible extent of review of the requested permit amendments and approval thereof at the earliest possible time.

Sincerely,



Parker D. Thomson

PDT/mpm
Enclosures

11-14-90

Patty,

I got a copy of
this for BWC, Barry H.

& myself

file
amendments

WMB

ATTACHMENT 1-A

**SUMMARY OF SOILS DATA
U.S. SUGAR CORPORATION**

PARAMETER	LEVEL (ppm)
Hazardous Waste Characteristics:	
TCLP Volatiles	Not Detected
TCLP Metals	Not Detected
TCLP Semivolatiles	Not Detected
Pesticides	Not Detected
PCBs	Not Detected
Ignitability	None
Thermal Treatment Characteristics:	
Total Organic Halogens	<142
TRPH	<9,700
Arsenic	<8.2
Chromium	<5.1
Lead	<6.2
Cadmium	<0.025
TCLP Mercury	<0.002
TCLP Selenium	<0.5
TCLP Silver	<0.01
TCLP Barium	<0.26
EPA 601 Organics	Not Detected
EPA 602 Organics	Not Detected

ATTACHMENT 1-B
LABORATORY TEST DATA
for
EXCAVATED SOILS AT BRYANT MILL

Item 1: Savannah Laboratories Data, pp. 1-5, consisting of:

- Sample SS-BC (a composite of 22 grab samples from approximately 4,980 cubic yards of Bunker C impacted soils)
- Sample SS-D (a composite of 5 grab samples from approximately 380 cubic yards of diesel impacted soils)
- Sample SS-L (a composite of 17 grab samples from approximately 640 cubic yards of lube oil impacted soils)

Item 2: ENCO Laboratory Data, 1 page, consisting of:

- (a composite of 54 grab samples from approximately 2,000 cubic yards of Bunker C, Diesel, and Lube Oil impacted soils)

Item 3: Spectrum Laboratory Data, 1 page, consisting of:

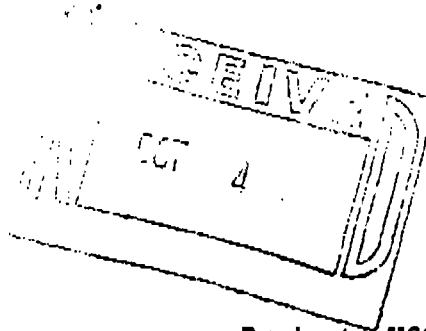
- Sample S#3/017/012698 (a vertical soil composite from ground surface to the ground water table in the Bunker "C" area)

SL SAVANNAH LABORATORIES
 & ENVIRONMENTAL SERVICES, INC.

414 SW 12th Avenue • Deerfield Beach, Florida 33442 • (305) 421-7400 • Fax (305) 421-2584

LOG NO: DO-02960

Received: 24 AUG 90

 Mr. Jim Cowart
 ERM-South, Inc.
 2858 Northwest 79th Avenue
 Miami, FL 33122-0133


Project: USSC-Bryant 53622.05

REPORT OF RESULTS

Page 1

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY
02960-1	SS-BC (08.23.90)	Client
PARAMETER	02960-1	
Purgeable Aromatics (602)		
Benzene, ug/kg dw	<5.0	
Chlorobenzene, ug/kg dw	<5.0	
1,2-Dichlorobenzene, ug/kg dw	<5.0	
1,3-Dichlorobenzene, ug/kg dw	<5.0	
1,4-Dichlorobenzene, ug/kg dw	<5.0	
Ethylbenzene, ug/kg dw	<5.0	
Toluene, ug/kg dw	<5.0	
Xylenes, ug/kg dw	<5.0	
Methyl-Tert-Butyl-Ether (MTBE), ug/kg dw	<50	
TCLP extraction volatiles ZHE		
Phases	1	
% Solids	100 %	
% that passes 9.5 mm sieve	100 %	
Volatiles in TCLP Extract		
Benzene (TCLP), mg/l	<0.020	
Carbon tetrachloride (TCLP), mg/l	<0.020	
Chlorobenzene (TCLP), mg/l	<0.020	
Chloroform (TCLP), mg/l	<0.020	
1,2-Dichloroethane (TCLP), mg/l	<0.020	
1,1-Dichloroethylene (TCLP), mg/l	<0.020	
Methyl ethyl ketone (TCLP), mg/l	<0.040	
Tetrachloroethylene (TCLP), mg/l	<0.020	
Trichloroethylene (TCLP), mg/l	<0.020	
Vinyl chloride (TCLP), mg/l	<0.040	

LOG NO: DO-02960

Received: 24 AUG 90

Mr. Jim Cowart
 ERM-South, Inc.
 2858 Northwest 79th Avenue
 Miami, FL 33122-0133

Project: USSC-Bryant 53622.05

REPORT OF RESULTS

Page 2

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY
02960-1	SS-BC (08.23.90)	Client
PARAMETER	02960-1	
Polynuclear Aromatic Hydrocarbons (610)		
Acenaphthene, ug/kg dw	<40000	
Acenaphthylene, ug/kg dw	<40000	
Benzo(a)pyrene, ug/kg dw	<80000	
Benzo(g,h,i)perylene, ug/kg dw	<120000	
Benzo(b,k)fluoranthene, ug/kg dw	<120000	
Chrysene + Benzo(a)anthracene, ug/kg dw	<120000	
Fluoranthene, ug/kg dw	<80000	
Fluorene, ug/kg dw	<80000	
Indeno(1,2,3-cd)pyrene+Dibenzo(a,h)anthracene, ug/kg dw	<120000	
Naphthalene, ug/kg dw	<40000	
Phenanthrene + Anthracene, ug/kg dw	<80000	
Pyrene, ug/kg dw	<80000	
2-Methylnaphthalene, ug/kg dw	<40000	
1-Methylnaphthalene, ug/kg dw	<40000	
TCLP extraction - non-volatile		
Phases	1	
% Solids	89	
% that passes 9.5 mm sieve	100	
pH (7.1.4.2), mg/kg	9.4	
pH (7.1.4.4), mg/kg	6.2	
Extraction Fluid	2	

LOG NO: D0-02960

Received: 24 AUG 90

Mr. Jim Cowart
 ERM-South, Inc.
 2858 Northwest 79th Avenue
 Miami, FL 33122-0133

Project: USSC-Bryant 53622.05

REPORT OF RESULTS

Page 3

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY
02960-1	SS-BC (08.23.90)	Client
PARAMETER	02960-1	
Semivolatiles in TCLP extract		
Cresol o,m,p (TCLP), mg/l	<0.050	
1,4-Dichlorobenzene (TCLP), mg/l	<0.050	
2,4-Dinitrotoluene (TCLP), mg/l	<0.050	
Hexachlorobenzene (TCLP), mg/l	<0.050	
Hexachlorobutadiene (TCLP), mg/l	<0.050	
Hexachloroethane (TCLP), mg/l	<0.050	
Nitrobenzene (TCLP), mg/l	<0.050	
Pentachlorophenol (TCLP), mg/l	<0.25	
2,4,5-Trichlorophenol (TCLP), mg/l	<0.25	
2,4,6-Trichlorophenol (TCLP), mg/l	<0.050	
Pyridine (TCLP), mg/l	<0.25	
Patroleum Hydrocarbons (418.1), mg/kg dw	9700	
Metals in TCLP		
Arsenic (TCLP), mg/l	<0.20	
Barium (TCLP), mg/l	0.26	
Cadmium (TCLP), mg/l	<0.010	
Chromium (TCLP), mg/l	<0.050	
Lead (TCLP), mg/l	<0.10	
Selenium (TCLP), mg/l	<0.20	
Silver (TCLP), mg/l	<0.010	
Mercury (TCLP), mg/l	<0.020	
Arsenic, mg/kg dw	5.4	
Chromium, mg/kg dw	3.4	
Cadmium, mg/kg dw	<0.025	
Lead, mg/kg dw	2.4	

LOG NO: D0-02960

Received: 24 AUG 90

Mr. Jim Cowart
 ERM-South, Inc.
 2858 Northwest 79th Avenue
 Miami, FL 33122-0133

Project: USSC-Bryant 53622.05

REPORT OF RESULTS

Page 4

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY	
02960-2	SS-D (08.23.90)	Client	
02960-3	SS-L (08.23.90)		
PARAMETER		02960-2	02960-3
Purgeable Aromatics (602)			
Benzene, ug/kg dw		<5.0	<5.0
Chlorobenzene, ug/kg dw		<5.0	<5.0
1,2-Dichlorobenzene, ug/kg dw		<5.0	<5.0
1,3-Dichlorobenzene, ug/kg dw		<5.0	<5.0
1,4-Dichlorobenzene, ug/kg dw		<5.0	<5.0
Ethylbenzene, ug/kg dw		<5.0	<5.0
Toluene, ug/kg dw		<5.0	<5.0
Xylenes, ug/kg dw		<5.0	<5.0
Methyl-Tert-Butyl-Ether (MTBE), ug/kg dw		<50	<50
Polynuclear Aromatic Hydrocarbons (610)			
Acenaphthene, ug/kg dw		<40000	<8000
Acenaphthylene, ug/kg dw		<40000	<8000
Benzo(a)pyrene, ug/kg dw		<80000	<16000
Benzo(g,h,i)perylene, ug/kg dw		<120000	<4000
Benzo(b,k)fluoranthene, ug/kg dw		<120000	<4000
Chrysene + Benzo(a)anthracene, ug/kg dw		<120000	<4000
Fluoranthene, ug/kg dw		<80000	<16000
Fluorene, ug/kg dw		<80000	<16000
Indeno(1,2,3-cd)pyrene+Dibenzo(a,h)anthracene, ug/kg dw		<120000	<24000
Naphthalene, ug/kg dw		<40000	<8000
Phenanthrene + Anthracene, ug/kg dw		<80000	<16000
Pyrene, ug/kg dw		<80000	<16000
2-Methylnaphthalene, ug/kg dw		<40000	<8000
1-Methylnaphthalene, ug/kg dw		<40000	<8000

SL SAVANNAH LABORATORIES
& ENVIRONMENTAL SERVICES, INC.

414 SW 12th Avenue • Deerfield Beach, Florida 33442 • (305) 421-7400 • Fax (305) 421-2584

LOG NO: D0-02960

Received: 24 AUG 90

Mr. Jim Cowart
ERM-South, Inc.
2858 Northwest 79th Avenue
Miami, FL 33122-0133

Project: USSC-Bryant 53622.05

REPORT OF RESULTS

Page 5

LOG NO	SAMPLE DESCRIPTION , SOLID OR SEMISOLID SAMPLES	SAMPLED BY	
02960-2	SS-D (08.23.90)	Client	
02960-3	SS-L (08.23.90)		
PARAMETER		02960-2	02960-3
Petroleum Hydrocarbons (418.1), mg/kg dw		690	1100
Arsenic, mg/kg dw		8.2	4.6
Cadmium, mg/kg dw		<0.025	<0.025
Chromium, mg/kg dw		4.0	5.1
Lead, mg/kg dw		4.1	6.2
Percent Solids, %		93	90



Laboratories, Inc. FORT LAUDERDALE • SAVANNAH

-CERTIFICATIONS-

CLIENT: THOMSON MURARO BOHRER & RAZOOK
 SAMPLE ID: ~~9437 017 012570~~
 SAMPLED BY: CLIENT REPRESENTATIVE
 DATE RECEIVED: 01/26/90
 DATE ANALYZED: 02/08/90

FLORIDA DRINKING WATER: # 0614
 FLORIDA ENVIRONMENTAL: # ED600
 EPA: # FL09
 GEORGIA: # 821
 SOUTH CAROLINA: # 9601

Bunker C

EPA METHOD 8080
 ORGANOCHLORINE PESTICIDES & PCBS

CAS NUMBER	PARAMETER	CONCENTRATION (ug/kg)	LOD (ug/kg)
309-00-2	ALDRIN	BMDL	0.004
319-84-6	a-BHC	BMDL	0.003
319-85-7	b-BHC	BMDL	0.006
319-86-8	d-BHC	BMDL	0.009
30-89-9	γ-BHC	BMDL	0.004
57-74-9	CHLORDANE	BMDL	0.014
72-34-8	4,4'-DDD	BMDL	0.011
72-35-9	4,4'-DDE	BMDL	0.004
50-29-3	4,4'-DDT	BMDL	0.012
60-57-1	DIELDRIN	BMDL	0.002
959-98-0	ENDOSULFAN I	BMDL	0.014
33212-63-9	ENDOSULFAN II	BMDL	0.004
1031-07-8	ENDOSULFAN SULFATE	BMDL	0.046
72-20-8	ENDRIN	BMDL	0.006
7421-93-4	ENDRIN ALDEHYDE	BMDL	0.023
76-44-8	HEPTACHLOR	BMDL	0.003
1024-37-3	HEPTACHLOR EPOXIDE	BMDL	0.083
8001-33-2	TOXAPHENE	BMDL	0.24

Lyle A. Johnson
 Lyle A. Johnson
 Chemist

AUG-01-'90 WED 15:19 ID:-

ERM MIAMI

TEL NO: 305-591-8830

#291 P02

ENCO LABORATORIES

REPORT # : 2430

DATE REPORTED: February 7, 1990

REFERENCE : U.S. Sugar Corp

RESULTS OF ANALYSIS

PCB ANALYSIS

PCB - 1016
PCB - 1221
PCB - 1232
PCB - 1242
PCB - 1248
PCB - 1254
PCB - 1260

<u>Bryant</u>	<u>units</u>
ND(300)	ug/Kg
ND(300)	ug/Kg
ND(300)	ug/Kg
ND(300)	ug/Kg
ND(300)	ug/Kg
ND(300)	ug/Kg
ND(300)	ug/Kg

MISCELLANEOUS ANALYSIS

Total Organic Halogens
Ignitability

<u>Bryant</u>	<u>units</u>
142	mg/Kg
None	degrees F

ND - None Detected to level in parentheses