

→ 12/18

Check Sheet

Company Name: *Drum Service Co of FL*
Permit Number: *AC48-131708*
PSD Number:
County:
Permit Engineer:
Others involved:

Application:

- Initial Application
- Incompleteness Letters
- Responses
- Final Application (if applicable)
- Waiver of Department Action
- Department Response

Intent:

- Intent to Issue
- Notice to Public
- Technical Evaluation
- BACT Determination
- Unsigned Permit

Attachments:

-
-
-
- Correspondence with:
 - EPA
 - Park Services
 - County
 - Other
- Proof of Publication
- Petitions - (Related to extensions, hearings, etc.)

Final Determination:

- Final Determination
- Signed Permit
- BACT Determination

Post Permit Correspondence:

- Extensions
- Amendments/Modifications
- Response from EPA
- Response from County
- Response from Park Services

File



Orange County

DRUM SERVICE CO. OF FLORIDA

POST OFFICE BOX 278
ZELLWOOD, FLORIDA 32798
PHONE AREA 305 - 889-2581

July 2, 1987



Mr. A. T. Sawicki
Department of Environment Regulation
3319 Maguire Boulevard, Suite 232
Orlando, FL 32803

Gentlemen:

Re: AC-48 131708
200 H. P. Cleaver Brooks
Boiler

Pursuant to the referenced construction permit, this is to provide the required notification we will conduct the visible emissions compliance test (Specific Condition #3) at 8:00 A.M., Friday, July 24th.

Cross/Tessitore & Associates will conduct the actual test; should you have any questions, please direct them to Mr. Carl Anderson of that firm.

Very truly yours,

J. M. Murphy

cc: Mr. Joseph Tessitore, Cross/Tessitore & Associates
Mr. Carl Anderson, Cross/Tessitore & Associates
Mr. John Bateman, Orange Co. Environmental Protection Dpt.
Mr. Alan Dempster

P 408 531 197

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to J.M. Murphy, President Drum Service Company of Florida P.O. Box 278 Zellwood, Florida 32798	
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 02/30/87 AC 48-131708	

PS Form 3800, Feb. 1982

PS Form 3811, July 1983 447-845

<p>● SENDER: Complete items 1, 2, 3 and 4.</p> <p>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. <u>The return receipt fee will provide you the name of the person delivered to and the date of delivery.</u> For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.</p>	
<p>1. <input checked="" type="checkbox"/> Show to whom, date and address of delivery.</p> <p>2. <input type="checkbox"/> Restricted Delivery.</p>	
<p>3. Article Addressed to: Mr. J.M. Murphy, President Drum Service Company of Florida P.O. Box 278 Zellwood, Florida 32798</p>	
<p>4. Type of Service:</p> <p><input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail</p>	<p>Article Number P 408 531 197</p>
<p>Always obtain signature of addressee or agent and DATE DELIVERED.</p>	
<p>5. Signature — Addressee X</p>	
<p>6. Signature — Agent X <i>Donald A. Bauer</i></p>	
<p>7. Date of Delivery 7-2-87</p>	
<p>8. Addressee's Address (ONLY if requested and fee paid)</p>	

DOMESTIC RETURN RECEIPT

Full copy

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400



BOB MARTINEZ
GOVERNOR
DALE TWACHTMANN
SECRETARY

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION
NOTICE OF PERMIT

Mr. J. M. Murphy
President
Drum Service Company of Florida
P. O. Box 278
Zellwood, Florida 32798

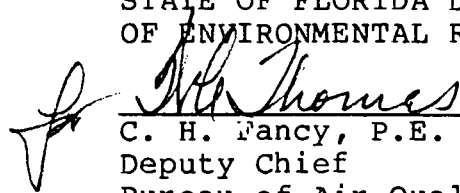
June 30, 1987

Enclosed is construction permit No. AC 48-131708 to Drum Service Company of Florida to construct/install a 200 HP Cleaver Brooks package process steam boiler. This permit is issued pursuant to Section 403, Florida Statutes.

Any Party to this permit has the right to seek judicial review of the permit 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.
Deputy Chief
Bureau of Air Quality Management

Copy furnished to:

T. Sawicki
J. Tessitore

Final Determination

Drum Service Company of Florida
Orange County
Zellwood, Florida

Permit No. AC 48-131708

Florida Department of Environmental Regulation
Bureau of Air Quality Management
Central Air Permitting

June 17, 1987

Final Determination

The construction permit application has been reviewed by the Department. Public Notice of the Department's Intent to Issue was published in Apopka Chief Newspaper on May 22, 1987. The Technical Evaluation and Preliminary Determination were available for public inspection at the Central Florida District office and the Bureau of Air Quality Management office.

No comments were received as a result of the Public Notice.

The final action of the Department will be to issue the construction permit as proposed in the Technical Evaluation and Preliminary Determination.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400



BOB MARTINEZ
GOVERNOR
DALE TWACHTMANN
SECRETARY

PERMITTEE:
Drum Service Company of
Florida
P.O. Box 278
Zellwood, Florida 32798

Permit Number: AC 48-131708
Expiration Date: December 31, 1987
County: Orange
Latitude/Longitude: 28° 43' 55"N
81° 36' 45"W
Project: Boiler 200 HP

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 drawings, plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

Installation of a 200 HP steam boiler, using No. 2 fuel oil.

The project shall be in accordance with the attached permit application, plans, documents, and drawings, except as noted in the specific conditions of this permit.

Attachment:

1. Application to construct Air Pollution Sources, DER Form 17-1.202(1), received on March, 24, 1987.

PERMITTEE:
Drum Service Company of
Florida

Permit Number: AC 48-131708
Expiration Date: December 31, 1987

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 Sections 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 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 an order from the Department.

PERMITTEE:
Drum Service Company of
Florida

Permit Number: AC48-131708
Expiration Date: December 31, 1987

GENERAL CONDITIONS:

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.

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 noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:
Drum Service Company of
Florida

Permit Number: AC 48-131708
Expiration Date: December 31, 1987

GENERAL CONDITIONS:

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.

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:

- (x) Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () 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.

PERMITTEE:
Drum Service Company of
Florida

Permit Number: AC 48-131708
Expiration Date: December 31, 1987

GENERAL CONDITIONS:

- 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.

SPECIFIC CONDITIONS:

- 1. Except as required pursuant to these specific conditions, the steam boiler shall be constructed and operated in accordance with statements in the application.
- 2. The sulfur content of the No. 2 fuel oil to be burned in the steam boiler shall not exceed 0.5 percent by weight. The fuel analysis reports of the oil used shall be recorded and these records shall be kept for a minimum of two years for regulatory agency inspection. ASTM 1266 Method should be used to determine the fuel oil sulfur content.

PERMITTEE:
Drum Service Company of
Florida

Permit Number: AC 48-131708
Expiration Date: December 31, 1987

SPECIFIC CONDITIONS:

3. Visible emissions compliance tests shall be demonstrated while operating at 90 to 100 percent of the design capacity. The permittee shall notify DER's Central Florida District office 15 days prior to the compliance test.
4. No. 2 fuel oil consumption in this steam boiler shall not exceed 56 gallons per hour.
5. Visible emissions shall not be greater than 20% opacity, in accordance with Florida Administrative Code (FAC) Rule 17-2.610(2)(a), and compliance shall be demonstrated using EPA Method 9, in accordance with FAC Rule 17-2.700.
6. A complete operation permit application, with a compliance test and oil analysis report, shall be submitted to the Central Florida District 90 days prior to expiration of the construction permit.

Issued this 29 day of June, 1987

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION



Dale Twachtman, Secretary

___ pages attached

Best Available Control Technology (BACT) Determination
Drum Service Company of Florida
Orange County

The applicant plans to install a 200 HP Cleaver Brooks package process steam boiler at their facility in Zellwood, Florida. The boiler will fire only No. 2 fuel oil and is scheduled to operate 10 hours/day, 5 days/week and 51 weeks/year.

This BACT determination is established for the Source as set forth in the Florida Administrative Code Rule 17-2.600(6), Emissions Limiting and Performance Standards.

BACT Determination Request by the Applicant:

Particulate and sulfur dioxide emissions to be controlled by firing of low sulfur content fuel oil.

Date Receipt of a BACT application:

March 12, 1987

Review Determined by DER:

The amount of particulate and sulfur dioxide emissions from the boiler will be limited by the firing of New (1) No. 2 distillate oil having a sulfur content not to exceed 0.5 percent, by weight.

Visible Emissions

Not to exceed 20 percent opacity

DER Method 9 (17-2.700(6)(a) 9, FAC) will be used to determine compliance with the opacity standard.

(1) The term "new" means an oil which has been refined from crude oil and has not been used.

Details of the Analysis May be Obtained by Contacting:

Barry Andrews, P.E., BACT Coordinator
Department of Environmental Regulation
Bureau of Air Quality Management
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Recommended By:

C. H. Fancy

C. H. Fancy, P.E., Deputy Chief

Date:

6/19/87

Approved:

Dale Twachtman

Dale Twachtman, Secretary

Date:

29 June 87

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION



Interoffice Memorandum

TO: Dale Twachtmann
THRU: Howard Rhodes *HR*
FROM: Clair Fancy *CF*
DATE: June 19, 1987
SUBJ: Approval of Air Construction Permit

FOR ROUTING TO OTHER THAN THE ADDRESSEE	
TO: _____	LOCN: _____
TO: _____	LOCN: _____
TO: _____	LOCN: _____
FROM: _____	DATE: _____

RECEIVED

JUN 23 1987

Office of the Secretary

Attached for your approval and signature is a construction permit and BACT determination for a No. 2 fuel oil fired steam boiler for Drum Service Company of Florida. There have been no controversies regarding this permit.

Day 90, after which the permit would be issued by default, is July 13, 1987.

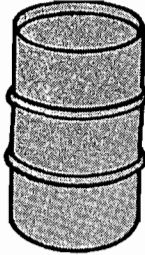
The Bureau recommends your approval and signature.

CHF/MT/s

Attachment

A large, stylized handwritten signature in black ink, consisting of several loops and a long horizontal stroke extending to the right.

PM
5-29-87
Orlando, FL



DRUM SERVICE CO. OF FLORIDA

POST OFFICE BOX 278
ZELLWOOD, FLORIDA 32798
PHONE AREA 305 — 889-2581

May 29, 1987

Florida Department of Environmental Regulation
Bureau of Air Quality Management
2600 Blair Stone Road
Tallahassee, Florida 32399

Dear Mr. Bill Thomas

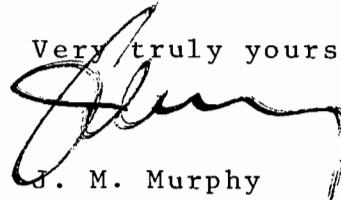
Re: AC 48-131708

Dear Mr. Thomas:

Pursuant to the Department's Notice of Intent to Issue,
enclosed please find Publisher's Affidavit of Publication
on May 22, 1987.

Thank you for your assistance in this matter.

Very truly yours,



J. M. Murphy

enclosure

/pfr

cc: Maher Tanbouy } 6/1/87
Tom Sawicki }

The Apopka Chief

APOPKA, FLORIDA

PUBLISHER'S AFFIDAVIT OF PUBLICATION

STATE OF FLORIDA
COUNTY OF ORANGE

Before the undersigned personally appeared... John E. Ricketson..... who on oath says he is Publisher... of THE APOPKA CHIEF, a weekly newspaper published at Apopka, in Orange County, Florida, that the attached copy of advertisement was published in said newspaper in the issues of: May 22, 1987

Affiant further says that the said APOPKA CHIEF is a newspaper published in said Orange County, Florida, and that said newspaper has heretofore been continuously published in said Orange County, Florida, each week and has been entered as second class mail matter at the post office in Apopka, in said Orange County, Florida for a period of one year next preceeding the first publication of the attached copy of advertisement; and affiant further says that he has neither paid nor promised any discount, rebate commission or refund for the purpose of securing this advertisement for publication in the said newspaper.

Sworn and subscribed before me, this 22 day of May, 19 87

John E. Ricketson
W. E. Shaw
Notary Public, State of Florida

(SEAL)
My Commission expires on the _____ day of _____, 19 _____



NOTARY PUBLIC STATE OF FLORIDA
MY COMMISSION EXP. FEB 18, 1991
BONDED THRU GENERAL INS. UND.

DER

JUN 1 1987

BAQM

State of Florida
Department of Environmental Regulation
Notice of Proposed Agency Action
on Permit Application

The Department of Environmental Regulation gives notice of its intent to issue a permit to Drum Service Company of Florida to construct/install a 200 HP Cleaver Brooks package process steam boiler, Model #CB552-200, at their existing facility located at 803 Jones Avenue, Zellwood, Orange County, Florida. This boiler will only be used as a back-up steam supply when the waste heat boiler is down and the closed head drum line is in operation. A determination of best available control technology (BACT) was required.

Persons 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 conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32301, within fourteen (14) days of publication of this notice. Failure to file a request for hearing 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.

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 preliminary statement. Therefore, persons who may not object to the proposed agency action may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Model Rule 28-5.207 at least five (5) days before the final hearing and be filed with the hearing officer if one has been assigned at the Division of Administrative Hearings, Department of Administration, 2009 Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office 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 request a hearing under Section 120.57, Florida Statutes.

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

Dept. of Environmental Regulation
Central Florida District
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803-3767

Dept. of Environmental Regulation
Bureau of Air Quality Management
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Any person may send written comments on the proposed action to Mr. Bill Thomas 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.

May 22, 1987

P 408 531 183

RECEIPT FOR CERTIFIED MAIL

NO INSURANCE COVERAGE PROVIDED—
NOT FOR INTERNATIONAL MAIL

(See Reverse)

Sent to J. M. Murphy	
From Service Co. of Florida P.O. Box 278	
P.O., State and ZIP Code Zellwood, FL 32798	
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 5/12/87 AC 48-131708	

PS Form 3800, Feb. 1982

PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 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 service(s) requested.

Show to whom, date and address of delivery.

2. Restricted Delivery.

3. Article Addressed to:
J. M. Murphy
From Service Company of Florida
P.O. Box 278
Zellwood, FL 32798

4. Type of Service: <input type="checkbox"/> Registered <input checked="" type="checkbox"/> Certified <input type="checkbox"/> Express Mail	<input type="checkbox"/> Insured <input type="checkbox"/> COD	Article Number P 408 531 183
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Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature — Addressee
X

6. Signature — Agent
X *W. A. Bauer*

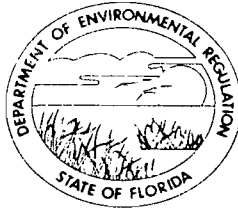
7. Date of Delivery
5/14/87

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

DOMESTIC RETURN RECEIPT

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400



BOB MARTINEZ
GOVERNOR
DALE TWACHTMANN
SECRETARY

May 12, 1987

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. J. M. Murphy
President
Drum Service Company of Florida
P.O. Box 278
Zellwood, Florida 32798

Dear Mr. Murphy:

Attached is one copy of the Technical Evaluation and Preliminary Determination and proposed permit to construct/install a 200 HP Cleaver Brooks package process steam boiler, Model #CB552-200, at your existing Zellwood, Orange County, facility.

Please submit, in writing, any comments which you wish to have considered concerning the Department's proposed action to Mr. Bill Thomas of the Bureau of Air Quality Management.

Sincerely,

C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management

CHF/bm

Attachments

cc: T. Sawicki
J. Tessitore

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of
Application for Permit by:

Drum Service Company of Florida
P. O. Box 278
Zellwood, Florida 32798

DER File No. AC 48-131708

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit (copy attached) for the proposed project as detailed in the application specified above. The Department is issuing this Intent to Issue for the reasons stated in the attached Technical Evaluation and Preliminary Determination.

The applicant, Drum Service Company of Florida, applied on March 12, 1987, to the Department of Environmental Regulation for a permit to construct/install a 200 HP Cleaver Brooks package process steam boiler, Model #CB552-200, at their existing facility in Zellwood, Orange County, Florida.

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


Pursuant to Section 403.815, F.S. and DER Rule 17-103.150, FAC, you (the applicant) are required to publish at your own expense the enclosed Notice of Proposed Agency Action on permit application. The notice must be published one time only in a section of a major local newspaper of general circulation in the county in which the project is located and within thirty (30) days from receipt of this intent. Proof of publication must be provided to the Department within seven days of publication of

the notice. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

The Department will issue the permit with the attached conditions unless 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. Petitions must comply with the requirement of Florida Administrative Code Rules 17-103.155 and 28-5.201 (copies enclosed) and be filed with (received by) the Office of General Counsel of the Department at 2600 Blair Stone Road, Tallahassee, Florida 32399-2400. Petitions filed by the permit applicant must be filed within fourteen (14) days of receipt of this intent. Petitions filed by other persons must be filed within fourteen (14) days of publication of the public notice or within fourteen (14) days of receipt of this intent, whichever first occurs. 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, concerning the subject permit application. Petitions which are not filed in accordance with the above provisions will be dismissed.

Executed in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


C. H. Fancy, P.E.
Deputy Chief
Bureau of Air Quality
Management

Copies furnished to:

T. Sawicki
J. Tessitore

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 May 12, 1987.

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.

R. Bruce Mitchell
Clerk

5/12/87
Date

State of Florida
Department of Environmental Regulation
Notice of Proposed Agency Action
on Permit Application

The Department of Environmental Regulation gives notice of its intent to issue a permit to Drum Service Company of Florida to construct/install a 200 HP Cleaver Brooks package process steam boiler, Model #CB552-200, at their existing facility located at 803 Jones Avenue, Zellwood, Orange County, Florida. This boiler will only be used as a back-up steam supply when the waste heat boiler is down and the closed head drum line is in operation. A determination of best available control technology (BACT) was required.

Persons 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 conform to the requirements of Chapters 17-103 and 28-5, Florida Administrative Code, and must be filed (received) in the Office of General Counsel of the Department at 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32301, within fourteen (14) days of publication of this notice. Failure to file a request for hearing 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.

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 preliminary statement. Therefore, persons who may not object to the proposed agency action may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Model Rule 28-5.207 at least five (5) days before the final hearing and be filed with the hearing officer if one has been assigned at the Division of Administrative Hearings, Department of Administration, 2009 Apalachee Parkway, Tallahassee, Florida 32301. If no hearing officer has been assigned, the petition is to be filed with the Department's Office 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 request a hearing under Section 120.57, Florida Statutes.

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

Dept. of Environmental Regulation
Central Florida District
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803-3767

Dept. of Environmental Regulation
Bureau of Air Quality Management
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Any person may send written comments on the proposed action to Mr. Bill Thomas 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.

RULES OF THE ADMINISTRATIVE COMMISSION
MODEL RULES OF PROCEDURE
CHAPTER 28-5
DECISIONS DETERMINING SUBSTANTIAL INTERESTS

28-5.15 Requests for Formal and Informal Proceedings

- (1) Requests for proceedings shall be made by petition to the agency involved. Each petition shall 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;
 - (c) All disputed issues of material fact. If there are none, the petition must so indicate;
 - (d) A concise statement of the ultimate facts alleged, and the rules, regulations and constitutional provisions which entitle the petitioner to relief;
 - (e) A statement summarizing any informal action taken to resolve the issues, and the results of that action;
 - (f) A demand for the relief to which the petitioner deems himself entitled; and
 - (g) Such other information which the petitioner contends is material.

Technical Evaluation
and
Preliminary Determination

Drum Service Company of Florida
Orange County
Zellwood, Florida

Permit Number:
AC 48-131708

Florida Department of Environmental Regulation
Bureau of Air Quality Management
Central Air Permitting

May 12, 1987

I. Project Description

A. Applicant

J. M. Murphy, President
Drum Service Co. of Florida
P.O. Box 278
Zellwood, Florida 32798

B. Project and Location

The applicant proposes to install a 200 HP Cleaver Brooks package process steam boiler, Model #CB552-200. This boiler will be used as a back-up steam supply, only when the waste heat boiler is down and the closed head drum line is an operation, using No. 2 Fuel oil. This facility will result in full compliance.

The existing facility is located at 803 Jones Avenue in Zellwood, Orange County, Florida, with UTM coordinates of 17-439.904 km E and 3178.077 km N.

II. Rule Applicability

The proposed project is subject to preconstruction review under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (FAC) Chapter 17-2.

The proposed facility is located in Orange County, which is an area designated nonattainment for the pollutant ozone in accordance with FAC Rule 17-2.410(1)(a).

The proposed source shall be permitted under FAC Rule 17-2.520, Sources Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements, and shall comply with FAC Rule 17-2.610(2), General Particulate Emission Limiting Standards.

III. Source Impact Analysis

A. Emission Limitation

The air pollutants emitted from the proposed steam boiler will be PM, SO₂, CO, NO_x and VOC. The maximum sulfur content of the No. 2 fuel oil will be 0.5 percent.

The following table summarizes potential to emit all pollutants regulated under the act which are effected by the proposed project. As the table shows, there is not a significant emission increase of any pollutant.

Pollutant	Lbs/Hr	T/Yr
PM	0.112	0.143
SO ₂	3.976	5.069
CO	0.280	0.357
NOx	1.120	1.428
VOC	0.011	0.014

B. Air Quality Analysis

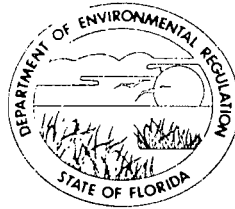
From a technical review of the application, the Department has determined that the construction and operation of this source will not have significant impact on Florida's ambient air quality standards.

IV. Conclusion

Based on an evaluation of the application, the Department concludes that the proposed source will comply with related state air regulations, provided certain specific conditions are met. The General and Specific Conditions are listed in the attached draft permit.

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

TWIN TOWERS OFFICE BUILDING
2600 BLAIR STONE ROAD
TALLAHASSEE, FLORIDA 32399-2400



BOB MARTINEZ
GOVERNOR
DALE TWACHTMANN
SECRETARY

PERMITTEE:
Drum Service Company of
Florida
P.O. Box 278
Zellwood, Florida 32798

Permit Number: AC 48-131708
Expiration Date: December 31, 1987
County: Orange
Latitude/Longitude: 28° 43' 55"N
81° 36' 45"W
Project: Boiler 200 HP

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 drawings, plans, and other documents attached hereto or on file with the Department and made a part hereof and specifically described as follows:

Installation of a 200 HP Steam boiler, using No. 2 fuel oil.

The project shall be in accordance with the attached permit application, plans, documents, and drawings, except as noted in the specific conditions of this permit.

Attachment:

1. Application to construct Air Pollution Sources, DER Form 17-1.202(1), received on March, 24, 1987.

PERMITTEE:
Drum Service Company of
Florida

Permit Number: AC 48-131708
Expiration Date: December 31, 1987

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 Sections 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 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 an order from the Department.

PERMITTEE:
Drum Service Company of
Florida

Permit Number: AC48-131708
Expiration Date: December 31, 1987

GENERAL CONDITIONS:

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.

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 noncompliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the noncompliance.

PERMITTEE:
Drum Service Company of
Florida

Permit Number: AC 48-131708
Expiration Date: December 31, 1987

GENERAL CONDITIONS:

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.

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:

- (x) Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () 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.

PERMITTEE:
Drum Service Company of
Florida

Permit Number: AC 48-131708
Expiration Date: December 31, 1987

GENERAL CONDITIONS:

- 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.

SPECIFIC CONDITIONS:

1. Except as required pursuant to these specific conditions, the steam boiler shall be constructed and operated in accordance with statements in the application.

2. The sulfur content of the No. 2 fuel oil to be burned in the steam boiler shall not exceed 0.5 percent by weight. The fuel analysis reports of the oil used shall be recorded and these records shall be kept for a minimum of two years for regulatory agency inspection. ASTM D 1266 Method should be used to determine the fuel oil sulfur content.

PERMITTEE:
Drum Service Company of
Florida

Permit Number: AC 48-131708
Expiration Date: December 31, 1987

SPECIFIC CONDITIONS:

3. Visible emissions compliance tests shall be demonstrated while operating at 90 to 100 percent of the design capacity. The permittee shall notify DER's Central Florida District office 15 days prior to the compliance test.
4. No. 2 fuel oil consumption in this steam boiler shall not exceed 56 gallons per hour.
5. Visible emissions shall not be greater than 20% opacity, in accordance with Florida Administrative Code (FAC) Rule 17-2.610(2)(a), and compliance shall be demonstrated using EPA Method 9, in accordance with FAC Rule 17-2.700.
6. A complete operation permit application, with a compliance test and oil analysis report, shall be submitted to the Central Florida District 90 days prior to expiration of the construction permit.

Issued this _____ day of _____, 19____

**STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION**

Dale Twachtmann, Secretary

_____ pages attached

Best Available Control Technology (BACT) Determination
Drum Service Co.
Orange County

The applicant plans to install a 200 HP Cleaver Brooks package process steam boiler at their facility in Zellwood, Florida. The boiler will fire only No. 2 fuel oil and is scheduled to operate 10 hours/day, 5 days/week and 51 weeks/year.

This BACT determination is established for the Source as set forth in the Florida Administrative Code Rule 17-2.600(6) Emissions Limiting and Performance Standards.

BACT Determination Request by the Applicant:

Particulate and sulfur dioxide emissions to be controlled by firing of low sulfur content fuel oil.

Date Receipt of a BACT application:

March 12, 1987

Review Determined by DER:

The amount of Particulate and Sulfur Dioxide emissions from the boiler will be limited by the firing of New (1) No. 2 distillate oil having a sulfur content not to exceed 0.5 percent, by weight.

Visible Emissions

Not to exceed 20 percent
opacity

DER Method 9 (17-2.700(6)(a) 9, FAC) will be used to determine compliance with the opacity standard.

(1) The term "new" means an oil which has been refined from crude oil and has not been used.

Details of the Analysis May be Obtained by Contacting:

Barry Andrews, P.E., Bact Coordinator
Department of Environmental Regulation
Bureau of Air Quality Management
2600 Blair Stone Road
Tallahassee, Florida 32301

Recommended By:

C. H. Fancy, P.E., Deputy Chief

Date: _____

Approved:

Dale Twachtman, Secretary

Date: _____

APPLICATION TRACKING SYSTEM

03/12/87

APPL NO:131708 U

APPL RECVD:03/12/87 TYPE CODE:AC SUBCODE:05 LAST UPDATE:03/12/87

DER OFFICE RECVD:URL DER OFFICE TRANSFER TO:BAQ APPLICATION COMPLETE:___/___/___

DER PROCESSOR:J TURNER B. Thomas

APPL STATUS:AC DATE:03/12/87 (ACTIVE/DENIED/WITHDRAWN/EXEMPT/ISSUED/GENERAL)

RELIEF:___ (SSAC/EXEMPTIONS/VARIANCE)

(Y/N) N MANUAL TRACKING DISTRICT:30 COUNTY:48
(Y/N) N DNR REVIEW REQD? LAT/LONG:28.43.55/81.36.45
(Y/N) N PUBLIC NOTICE REQD? BASIN-SEGMENT:___
(Y/N) N GOV BODY LOCAL APPROVAL REQD? COE #:___
(Y/N) Y LETTER OF INTENT REQD? (I/ISSUE D/DENY) ALT#:___

PROJECT SOURCE NAME:DRUM SERVICE CO/BACK-UP STEAM BLR

STREET:803 JONES AVENUE CITY:ZELLWOOD

STATE:FL ZIP:___ PHONE:___

APPLICATION NAME:MURPHY, J.M.

STREET:F.C. BOX 278 CITY:ZELLWOOD

STATE:FL ZIP:32798 PHONE:305-889-2581

AGENT NAME:CROSS/TESSITORE & ASSOCIATES

STREET:4759 SO. CONWAY RD. SUITE D CITY:ORLANDO

STATE:FL ZIP:32812 PHONE:305-851-1484

FEE #1 DATE PAID:03/12/87 AMOUNT PAID:00100 RECEIPT NUMBER:00109446

Table with columns for event type (B-I, J, K, L, M, N), description, and date (MM/DD/YY). Rows include: B DATE APPLICANT INFORMED OF NEED FOR PUBLIC NOTICE, C DATE DER SENT DNR APPLICATION/SENT DNR INTENT, D DATE DER REQ. COMMENTS FROM GOV. BODY FOR LOCAL APP., E DATE #1-#6 ADDITIONAL INFO REQ--REC FROM APPLICANT, F DATE GOVERNING BODY REQUESTED SURVEY RESULTS/REPORTS, G DATE FIELD REPORT WAS REQ--REC, H DATE DNR REVIEW WAS COMPLETED, I DATE APPLICATION WAS COMPLETE, J DATE GOVERNING BODY PROVIDED COMMENTS OR OBJECTIONS, K DATE NOTICE OF INTENT WAS SENT--REC TO APPLICANT, L DATE PUBLIC NOTICE WAS SENT TO APPLICANT, M DATE PROOF OF PUBLICATION OF PUBLIC NOTICE RECEIVED, N WAIVER DATE BEGIN--END (DAY 90).

COMMENTS:

DER
MAR 24 1987
BAQM

DEPARTMENT OF ENVIRONMENTAL REGULATION

ROUTING AND TRANSMITTAL SLIP

ACTION NO

ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION)

Bill Thomas

Initial

Date

2.

Bureau of Air Quality Mngg.

Initial

Date

3. **Department of Environmental Regulation**

Twin Towers Office Building

Initial

Date

4.

**2600 Blair Stone Road
Tallahassee, FL 32399-2400**

Initial

Date

REMARKS:

For your processing. I retained 1 copy for our files.

INFORMATION

Review & Return

Review & File

Initial & Forward

DISPOSITION

Review & Respond

Prepare Response

For My Signature

For Your Signature

Let's Discuss

Set Up Meeting

Investigate & Report

Initial & Forward

Distribute

Concurrence

For Processing

Initial & Return

DER

MAR 24 1987

BAQM

FROM:

[Signature]

DATE

3/23/87

PHONE

SC 325-1403

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

Nº 109446

RECEIPT FOR APPLICATION FEES AND MISCELLANEOUS REVENUE

Received from Drum Service Co. of Florida Date March 12, 1987

Address P.O. Box 278 Zellwood 32798 Dollars \$ 100⁰⁰

Applicant Name & Address _____

Source of Revenue same

Revenue Code 001031 ck 42035 Application Number A248-131708

By S. Combo



CROSS/TESSITORE & ASSOCIATES, P.A.

4759 S. CONWAY ROAD, SUITE D
ORLANDO, FLORIDA 32812
305/851-1484

March 10, 1987



Mr. A. T. Sawicki, P.E.
Air Engineering
FDER-St. Johns River District
3319 Maguire Blvd., Suite 232
Orlando, Florida 32803

DER

SUBJECT: Orange County - AP
Drum Service Co. of Florida
Back-up Process Steam Boiler

MAR 24 1987

BAQM

Dear Mr. Sawicki:

Enclosed, in quadruplicate, is construction application for subject facility.

The required construction application fee is also attached.

We will be happy to answer any questions.

Sincerely,

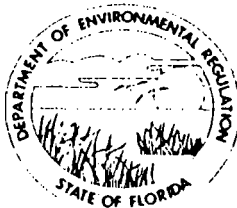
Carl G. Anderson
Permitting Manager

CGA:kim
Enc.a/s

cc: Mr. Murphy

DEPARTMENT OF ENVIRONMENTAL REGULATION

PAID MAR 12 1987



BOB GRAHAM GOVERNOR VICTORIA J. TSCHINKEL SECRETARY ROY DUKE DISTRICT MANAGER

CENTRAL FLORIDA DISTRICT

DER

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Boiler [X] New [] Existing

APPLICATION TYPE: [X] Construction [] Operation [] Modification

COMPANY NAME: Drum Service Co. of Florida COUNTY: Orange

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) Back-up Process Steam Boiler

SOURCE LOCATION: Street 803 Jones Avenue City Zellwood

UTM: East 17-439.904 North 3178.077

Latitude 28° 43' 55" N Longitude 81° 36' 45" W

APPLICANT NAME AND TITLE: J.M. Murphy, President

APPLICANT ADDRESS: P.O. Box 278, Zellwood, Florida 32798

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the undersigned owner or authorized representative* of Drum Service Co. of Florida

I certify that the statements made in this application for a construction permit are true, correct and complete to the best of my knowledge and belief. Further, I agree to maintain and operate the pollution control source and pollution control facilities in such a manner as to comply with the provision of Chapter 403, Florida Statutes, and all the rules and regulations of the department and revisions thereof. I also understand that a permit, if granted by the department, will be non-transferable and I will promptly notify the department upon sale or legal transfer of the permitted establishment.

*Attach letter of authorization

Signed: J. M. Murphy, President (Name and Title (Please Type))

Date: 3/5/87 Telephone No. 305/889-2581

B. PROFESSIONAL ENGINEER REGISTERED IN FLORIDA (where required by Chapter 471, F.S.)

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 judgment, that

1 See Florida Administrative Code Rule 17-2.100(57) and (104)

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. It is also agreed that the undersigned will furnish, if authorized by the owner, the applicant a set of instructions for the proper maintenance and operation of the pollution control facilities and, if applicable, pollution sources.

Signed Joseph J. Tessitore
Joseph L. Tessitore, P.E.
Name (Please Type)
Cross/Tessitore & Associates, P.A.
Company Name (Please Type)
4759 S. Conway Rd., Suite D
Orlando, Florida 32812
Mailing Address (Please Type)

Florida Registration No. 23374 Date: 3/5/87 Telephone No. 305/851-1484

SECTION II: GENERAL PROJECT INFORMATION

A. Describe the nature and extent of the project. Refer to pollution control equipment, and expected improvements in source performance as a result of installation. State whether the project will result in full compliance. Attach additional sheet if necessary.

For the installation of a 200 HP Cleaver Brooks package process steam boiler, Model #CB552-200, Serial #L44759. This boiler will be used as a backup steam supply, only when the waste heat boiler is down and the closed head drum line is in operation. This project will result in full compliance.

B. Schedule of project covered in this application (Construction Permit Application Only)

Start of Construction Purchased Completion of Construction 10 days after permit issue

C. Costs of pollution control system(s): (Note: Show breakdown of estimated costs only for individual components/units of the project serving pollution control purposes. Information on actual costs shall be furnished with the application for operation permit.)

N/A

D. Indicate any previous DER permits, orders and notices associated with the emission point, including permit issuance and expiration dates.

None

E. Requested permitted equipment operating time: hrs/day 10 ; days/wk 5 ; wks/yr 51 ;
if power plant, hrs/yr N/A; if seasonal, describe: N/A

F. If this is a new source or major modification, answer the following questions.
(Yes or No)

1. Is this source in a non-attainment area for a particular pollutant? Yes
a. If yes, has "offset" been applied? No
b. If yes, has "Lowest Achievable Emission Rate" been applied? No
c. If yes, list non-attainment pollutants. Ozone
2. Does best available control technology (BACT) apply to this source?
If yes, see Section VI. No
3. Does the State "Prevention of Significant Deterioration" (PSD)
requirement apply to this source? If yes, see Sections VI and VII. No
4. Do "Standards of Performance for New Stationary Sources" (NSPS)
apply to this source? No
5. Do "National Emission Standards for Hazardous Air Pollutants"
(NESHAP) apply to this source? No
- II. Do "Reasonably Available Control Technology" (RACT) requirements apply
to this source? No
a. If yes, for what pollutants? _____
b. If yes, in addition to the information required in this form,
any information requested in Rule 17-2.650 must be submitted.

Attach all supportive information related to any answer of "Yes". Attach any justifi-
cation for any answer of "No" that might be considered questionable.

SECTION III: AIR POLLUTION SOURCES & CONTROL DEVICES (Other than Incinerators)

A. Raw Materials and Chemicals Used in your Process, if applicable: N/A

Description	Contaminants		Utilization Rate - lbs/hr	Relate to Flow Diagram
	Type	% Wt		

B. Process Rate, if applicable: (See Section V, Item 1)

1. Total Process Input Rate (lbs/hr): N/A

2. Product Weight (lbs/hr): N/A

C. Airborne Contaminants Emitted: (Information in this table must be submitted for each emission point, use additional sheets as necessary)

Name of Contaminant	Emission ¹		Allowed ² Emission Rate per Rule 17-2	Allowable ³ Emission lbs/hr	Potential ⁴ Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/hr	T/yr	
Visible Emissions			.600 (6) (a)	20% Opacity			
Particulate	0.112	0.143	.600 (6) (b)	BACT Determination	0.112	0.143	
SO ₂	3.976	5.069	.600 (6) (c)	BACT Determination	3.976	5.069	
CO	0.280	0.357	N/A	N/A	0.280	0.357	
NO _x	1.120	1.428	N/A	N/A	1.120	1.428	
VOC	0.011	0.014	.620	N/A	0.011	0.014	

¹VOC See Section V, Item 2.

²Reference applicable emission standards and units (e.g. Rule 17-2.600(5)(b)2. Table II, E. (1) - 0.1 pounds per million BTU heat input)

³Calculated from operating rate and applicable standard.

⁴Emission, if source operated without control (See Section V, Item 3).

D. Control Devices: (See Section V, Item 4) N/A

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles Size Collected (In microns) (If applicable)	Basis for Efficiency (Section V Item 5)

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
#2 Fuel Oil	30	56	7.90

*Units: Natural Gas--MMCF/hr; Fuel Oils--gallons/hr; Coal, wood, refuse, other--lbs/hr.

Fuel Analysis:

Percent Sulfur: 0.5 Percent Ash: 0.68
 Density: 7.206 lbs/gal Typical Percent Nitrogen: .0072
 Heat Capacity: 19,036 BTU/lb 141,000 BTU/gal
 Other Fuel Contaminants (which may cause air pollution): _____

F. If applicable, indicate the percent of fuel used for space heating.

Annual Average _____ Maximum _____

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

H. Emission Stack Geometry and Flow Characteristics (Provide data for each stack):

Stack Height: 11.8 ft. Stack Diameter: 1.33 ft.
 Gas Flow Rate: 2955 ACFM 1821 DSCFM Gas Exit Temperature: 400 °F.
 Water Vapor Content: 5 % Velocity: 35.28 FPS

SECTION IV: INCINERATOR INFORMATION N/A

Type of Waste	Type 0 (Plastics)	Type I (Rubbish)	Type II (Refuse)	Type III (Garbage)	Type IV (Pathological)	Type V (Liq. & Gas By-prod.)	Type VI (Solid By-prod.)
Actual lb/hr Incinerated							
Uncontrolled (lbs/hr)							

Description of Waste _____

Total Weight Incinerated (lbs/hr) _____ Design Capacity (lbs/hr) _____

Approximate Number of Hours of Operation per day _____ day/wk _____ wks/yr. _____

Manufacturer _____

Date Constructed _____ Model No. _____

	Volume (ft) ³	Heat Release (BTU/hr)	Fuel		Temperature (°F)
			Type	BTU/hr	
Primary Chamber					
Secondary Chamber					

Stack Height: _____ ft. Stack Diameter: _____ Stack Temp. _____

Gas Flow Rate: _____ ACFM _____ DSCFM* Velocity: _____ FPS

*If 50 or more tons per day design capacity, submit the emissions rate in grains per standard cubic foot dry gas corrected to 50% excess air.

Type of pollution control device: Cyclone Wet Scrubber Afterburner
 Other (specify) _____

Brief description of operating characteristics of control devices: _____

Ultimate disposal of any effluent other than that emitted from the stack (scrubber water, ash, etc.):

NOTE: Items 2, 3, 4, 6, 7, 8, and 10 in Section V must be included where applicable.

SECTION V: SUPPLEMENTAL REQUIREMENTS

Please provide the following supplements where required for this application.

1. Total process input rate and product weight -- show derivation [Rule 17-2.100(127)]
N/A
2. To a construction application, attach basis of emission estimate (e.g., design calculations, design drawings, pertinent manufacturer's test data, etc.) and attach proposed methods (e.g., FR Part 60 Methods 1, 2, 3, 4, 5) to show proof of compliance with applicable standards. To an operation application, attach test results or methods used to show proof of compliance. Information provided when applying for an operation permit from a construction permit shall be indicative of the time at which the test was made. See Attachment 1.
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).
See Attachment 1.
4. With construction permit application, include design details for all air pollution control systems (e.g., for baghouse include cloth to air ratio; for scrubber include cross-section sketch, design pressure drop, etc.) N/A
5. With construction permit application, attach derivation of control device(s) efficiency. Include test or design data. Items 2, 3 and 5 should be consistent: actual emissions = potential (1-efficiency). N/A
6. An 8 1/2" x 11" flow diagram which will, without revealing trade secrets, identify the individual operations and/or processes. Indicate where raw materials enter, where solid and liquid waste exit, where gaseous emissions and/or airborne particles are evolved and where finished products are obtained. See Attachment 3
7. An 8 1/2" x 11" plot plan showing the location of the establishment, and points of airborne emissions, in relation to the surrounding area, residences and other permanent structures and roadways (Example: Copy of relevant portion of USGS topographic map).
See Attachment 4
8. An 8 1/2" x 11" plot plan of facility showing the location of manufacturing processes and outlets for airborne emissions. Relate all flows to the flow diagram.
See Attachment 5

9. The appropriate application fee in accordance with Rule 17-4.05. The check should be made payable to the Department of Environmental Regulation.
10. With an application for operation permit, attach a Certificate of Completion of Construction indicating that the source was constructed as shown in the construction permit.

SECTION VI: BEST AVAILABLE CONTROL TECHNOLOGY N/A

A. Are standards of performance for new stationary sources pursuant to 40 C.F.R. Part 60 applicable to the source?

Yes No

Contaminant	Rate or Concentration

B. Has EPA declared the best available control technology for this class of sources (if yes, attach copy)

Yes No

Contaminant	Rate or Concentration

C. What emission levels do you propose as best available control technology?

Contaminant	Rate or Concentration

D. Describe the existing control and treatment technology (if any).

- | | |
|---------------------------|--------------------------|
| 1. Control Device/System: | 2. Operating Principles: |
| 3. Efficiency:* | 4. Capital Costs: |

*Explain method of determining

5. Useful Life:

6. Operating Costs:

7. Energy:

8. Maintenance Costs:

9. Emissions:

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

10. Stack Parameters

- a. Height: ft.
- b. Diameter: ft.
- c. Flow Rate: ACFM
- d. Temperature: °F.
- e. Velocity: FPS

E. Describe the control and treatment technology available (As many types as applicable, use additional pages if necessary).

- 1.
 - a. Control Device:
 - b. Operating Principles:
 - c. Efficiency:¹
 - d. Capital Cost:
 - e. Useful Life:
 - f. Operating Cost:
 - g. Energy:²
 - h. Maintenance Cost:
 - i. Availability of construction materials and process chemicals:
 - j. Applicability to manufacturing processes:
 - k. Ability to construct with control device, install in available space, and operate within proposed levels:

- 2.
 - a. Control Device:
 - b. Operating Principles:
 - c. Efficiency:¹
 - d. Capital Cost:
 - e. Useful Life:
 - f. Operating Cost:
 - g. Energy:²
 - h. Maintenance Cost:
 - i. Availability of construction materials and process chemicals:

¹Explain method of determining efficiency.
²Energy to be reported in units of electrical power - KWH design rate.

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

3.

a. Control Device:

b. Operating Principles:

c. Efficiency:¹

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:²

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

4.

a. Control Device:

b. Operating Principles:

c. Efficiency:¹

d. Capital Costs:

e. Useful Life:

f. Operating Cost:

g. Energy:²

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

k. Ability to construct with control device, install in available space, and operate within proposed levels:

f. Describe the control technology selected:

1. Control Device:

2. Efficiency:¹

3. Capital Cost:

4. Useful Life:

5. Operating Cost:

6. Energy:²

7. Maintenance Cost:

8. Manufacturer:

9. Other locations where employed on similar processes:

a. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

¹ Explain method of determining efficiency.

² Energy to be reported in units of electrical power - KWH design rate.

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

(8) Process Rate:¹

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant

Rate or Concentration

Contaminant	Rate or Concentration

(8) Process Rate:¹

10. Reason for selection and description of systems:

¹Applicant must provide this information when available. Should this information not be available, applicant must state the reason(s) why.

SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION

A. Company Monitored Data

1. _____ no. sites _____ TSP _____ () SO₂ _____ Wind spd/dir

Period of Monitoring _____ / _____ / _____ to _____ / _____ / _____
month day year month day year

Other data recorded _____

Attach all data or statistical summaries to this application.

*Specify bubbler (B) or continuous (C).

2. Instrumentation, Field and Laboratory

a. Was instrumentation EPA referenced or its equivalent? [] Yes [] No

b. Was instrumentation calibrated in accordance with Department procedures?

[] Yes [] No [] Unknown

Meteorological Data Used for Air Quality Modeling

1. Year(s) of data from ____/____/____ to ____/____/____
month day year month day year

2. Surface data obtained from (location) _____

3. Upper air (mixing height) data obtained from (location) _____

4. Stability wind rose (STAR) data obtained from (location) _____

Computer Models Used

1. _____ Modified? If yes, attach description.

2. _____ Modified? If yes, attach description.

3. _____ Modified? If yes, attach description.

4. _____ Modified? If yes, attach description.

Attach copies of all final model runs showing input data, receptor locations, and principle output tables.

Applicants Maximum Allowable Emission Data

Pollutant

Emission Rate

ISP _____ grams/sec

SO² _____ grams/sec

Emission Data Used in Modeling

Attach list of emission sources. Emission data required is source name, description of point source (on NEDS point number), UTM coordinates, stack data, allowable emissions, and normal operating time.

Attach all other information supportive to the PSD review.

Discuss the social and economic impact of the selected technology versus other applicable technologies (i.e., jobs, payroll, production, taxes, energy, etc.). Include assessment of the environmental impact of the sources.

Attach scientific, engineering, and technical material, reports, publications, journals, and other competent relevant information describing the theory and application of the requested best available control technology.

SECTION II, A. ADDENDUM

Drum Service Co. of Florida has purchased a used boiler. The boiler is a 200 HP Cleaver Brooks package boiler, Model #CB552-200, Serial #L44759. This boiler will be used as a back-up source for process steam only. During normal plant operation this boiler will not be in use. Steam required will be obtained from a new heat recovery boiler/afterburner on the drum furnace. When the drum furnace is down and steam is required to operate the closed head drum line, this conventional back-up boiler will be used. This boiler will be fired with #2 fuel oil.

Attachment 1

Potential/Actual Emission Calculations

All Emissions are Based On:

AP42, Table 1.3-1
56 Gal/Hr of #2 Fuel oil burned/hr maximum
A maximum of 2550 hr/yr

Potential Emission

Particulate = 56 gal/hr x 2 lb/10³ Gal = 0.112 lb/hr
0.112 lb/hr x 1 ton/2000 lb x 2550 hr/yr = 0.143 ton/yr

SO₂ = 56 gal/hr x 142 (0.5) lb/10³ gal = 3.976 lb/hr
3.976 lb/hr x 2550/2000 = 5.069 ton/yr

CO = 56 gal/hr x 5 lb/10³ gal = 0.28 lb/hr
0.28 lb/hr x 2550/2000 = 0.357 ton/yr

NO_x = 56 gal/hr x 20 lb/10³ gal = 1.12 lb/hr
1.12 lb/hr x 2550/2000 = 1.428 ton/yr

VOC = 56 gal/hr x 0.2 lb/10³ gal = 0.011 lb/hr
0.011 lb/hr x 2550/2000 = 0.014 ton/yr

Actual Emissions

Actual emissions will be equal to potential emissions,
due to no control device being used.

TABLE 1.3-1. UNCONTROLLED EMISSION FACTORS FOR FUEL OIL COMBUSTION

EMISSION FACTOR RATING: A

Boiler Type ^a	Particulate ^b Matter		Sulfur Dioxide ^c		Sulfur Trioxide		Carbon Monoxide ^d		Nitrogen Oxide ^e		Volatile Organics ^f Nonmethane Methane			
	kg/10 ³ l	lb/10 ³ gal	kg/10 ³ l	lb/10 ³ gal	kg/10 ³ l	lb/10 ³ gal	kg/10 ³ l	lb/10 ³ gal	kg/10 ³ l	lb/10 ³ gal	kg/10 ³ l	lb/10 ³ gal	kg/10 ³ l	lb/10 ³ gal
Utility Boilers Residual Oil	g	g	19S	157S	0.34S ^h	2.9S ^h	0.6	5	8.0 (12.6)(5) ⁱ	67 (105)(42) ⁱ	0.09	0.76	0.03	0.28
Industrial Boilers Residual Oil	g	g	19S	157S	0.24S	2S	0.6	5	6.6 ^j	55 ^j	0.034	0.28	0.12	1.0
Distillate Oil	0.24	2	17S	142S	0.24S	2S	0.6	5	2.4	20	0.024	0.2	0.006	0.052
Commercial Boilers Residual Oil	g	g	19S	157S	0.24S	2S	0.6	5	6.6	55	0.14	1.13	0.057	0.475
Distillate Oil	0.24	2	17S	142S	0.24S	2S	0.6	5	2.4	20	0.04	0.34	0.026	0.216
Residential Furnaces Distillate Oil	0.3	2.5	17S	142S	0.24S	2S	0.6	5	2.2	18	0.085	0.713	0.214	1.78

^aBoilers can be approximately classified according to their gross (higher) heat rate as shown below:

- Utility (power plant) boilers: >106 x 10⁹ J/hr (>100 x 10⁶ Btu/hr)
- Industrial boilers: 10.6 x 10⁹ to 106 x 10⁹ J/hr (10 x 10⁶ to 100 x 10⁶ Btu/hr)
- Commercial boilers: 0.5 x 10⁹ to 10.6 x 10⁹ J/hr (0.5 x 10⁶ to 10 x 10⁶ Btu/hr)
- Residential furnaces: <0.5 x 10⁹ J/hr (<0.5 x 10⁶ Btu/hr)

^bReferences 3-7 and 24-25. Particulate matter is defined in this section as that material collected by EPA Method 5 (front half catch).

^cReferences 1-5. S indicates that the weight % of sulfur in the oil should be multiplied by the value given.

^dReferences 3-5 and 8-10. Carbon monoxide emissions may increase by factors of 10 to 100 if the unit is improperly operated or not well maintained.

^eExpressed as NO₂. References 1-5, 8-11, 17 and 26. Test results indicate that at least 95% by weight of NO_x is NO for all boiler types except residential furnaces, where about 75% is NO.

^fReferences 18-21. Volatile organic compound emissions are generally negligible unless boiler is improperly operated or not well maintained, in which case emissions may increase by several orders of magnitude.

^gParticulate emission factors for residual oil combustion are, on average, a function of fuel oil grade and sulfur content:

- Grade 6 oil: 1.25(S) + 0.38 kg/10³ liter [10(S) + 3 lb/10³ gal] where S is the weight % of sulfur in the oil. This relationship is based on 81 individual tests and has a correlation coefficient of 0.65.
- Grade 5 oil: 1.25 kg/10³ liter (10 lb/10³ gal)
- Grade 4 oil: 0.88 kg/10³ liter (7 lb/10³ gal)

^hReference 25.

ⁱUse 5 kg/10³ liter (42 lb/10³ gal) for tangentially fired boilers, 12.6 kg/10³ liter (105 lb/10³ gal) for vertical fired boilers, and 8.0 kg/10³ liter (67 lb/10³ gal) for all others, at full load and normal (>15%) excess air. Several combustion modifications can be employed for NO_x reduction: (1)

limited excess air can reduce NO_x emissions 5-20%, (2) staged combustion 20-40%, (3) using low NO_x burners 20-50%, and (4) ammonia injection can reduce NO_x emissions 40-70% but may increase emissions of ammonia. Combinations of these modifications have been employed for further reductions in certain boilers.

See Reference 23 for a discussion of these and other NO_x reducing techniques and their operational and environmental impacts.

^jNitrogen oxide emissions from residual oil combustion in industrial and commercial boilers are strongly related to fuel nitrogen content, estimated more accurately by the empirical relationship:

$$\text{kg NO}_x/10^3 \text{ liter} = 2.75 + 50(N)^2 \text{ [lb NO}_x/10^3 \text{ gal} = 22 + 400(N)^2 \text{]} \text{ where } N \text{ is the weight \% of nitrogen in the oil. For residual oils having high (>0.5 weight \%)} \text{ nitrogen content, use } 15 \text{ kg NO}_x/10^3 \text{ liter (120 lb NO}_x/10^3 \text{ gal) as an emission factor.}$$

1.3-2

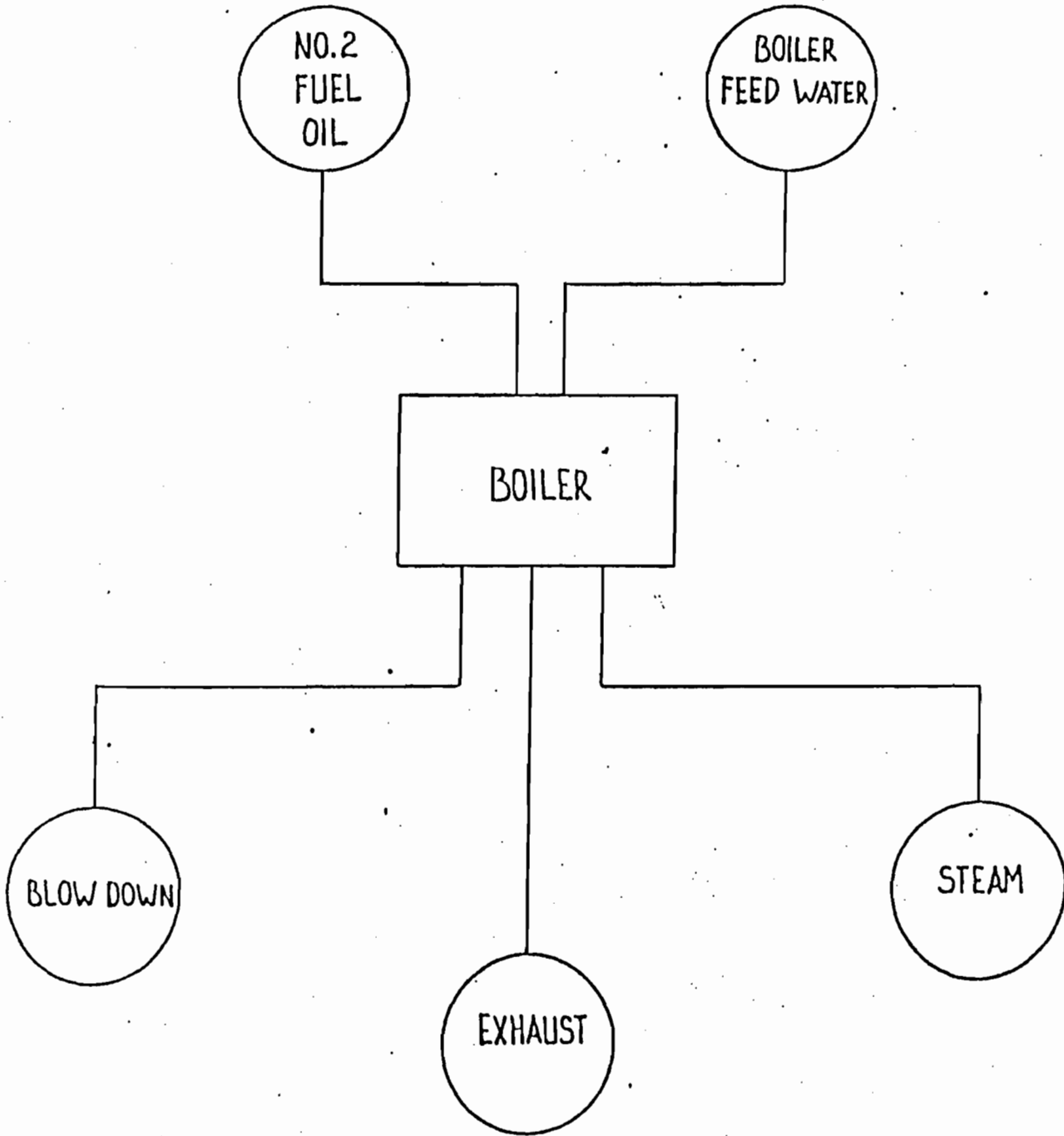
EMISSION FACTORS

15

8/82

ATTACHMENT 3

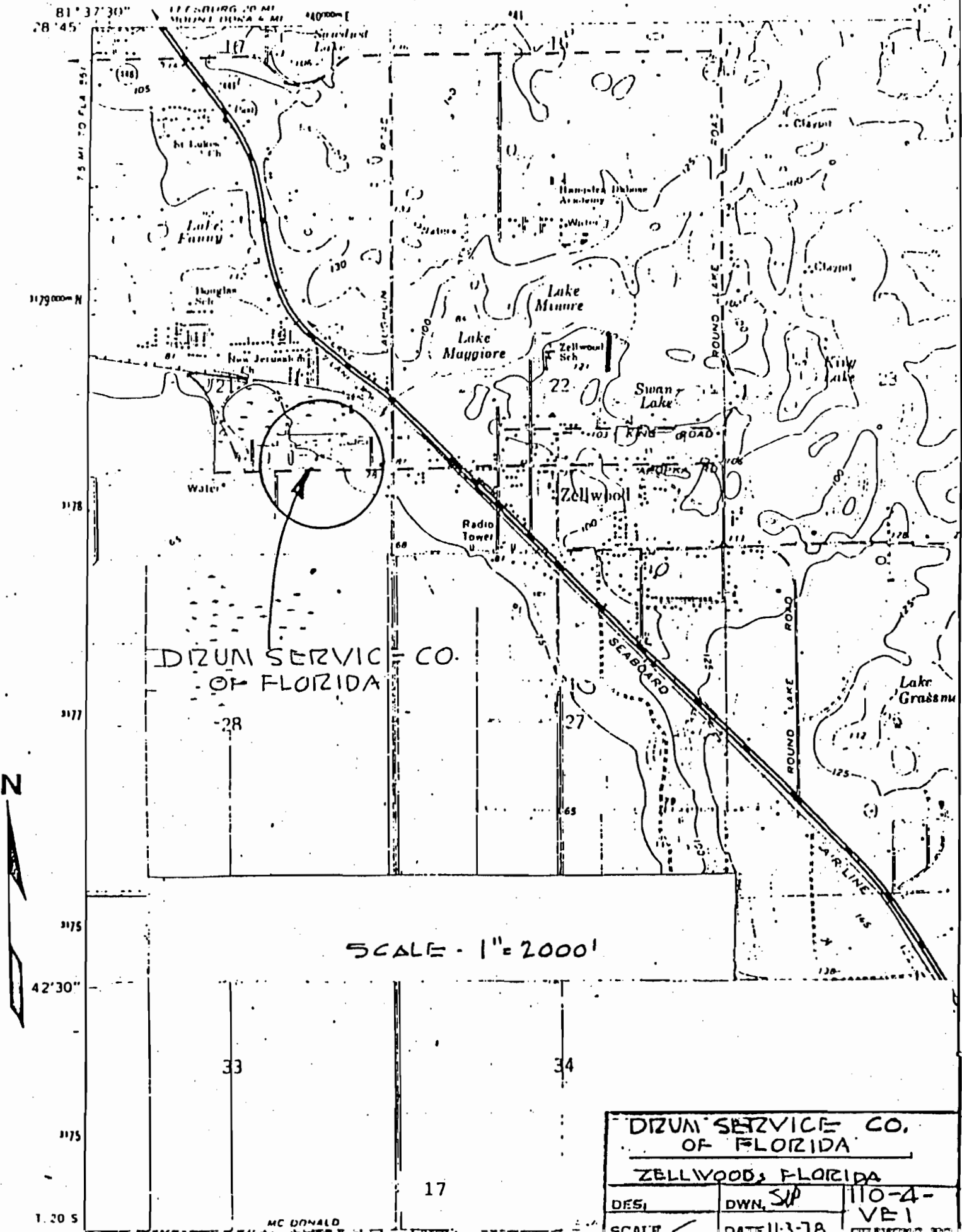
SCHEMATIC FLOW DIAGRAM



TYPICAL BOILER		
DES. <i>N/A</i>	DWN. <i>RC</i>	<i>110-7-1</i>
SCALE <i>N.T.S.</i>	DATE <i>9-2-86</i>	DRAWING NO.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ATTACHMENT 4
LOCATION MAP



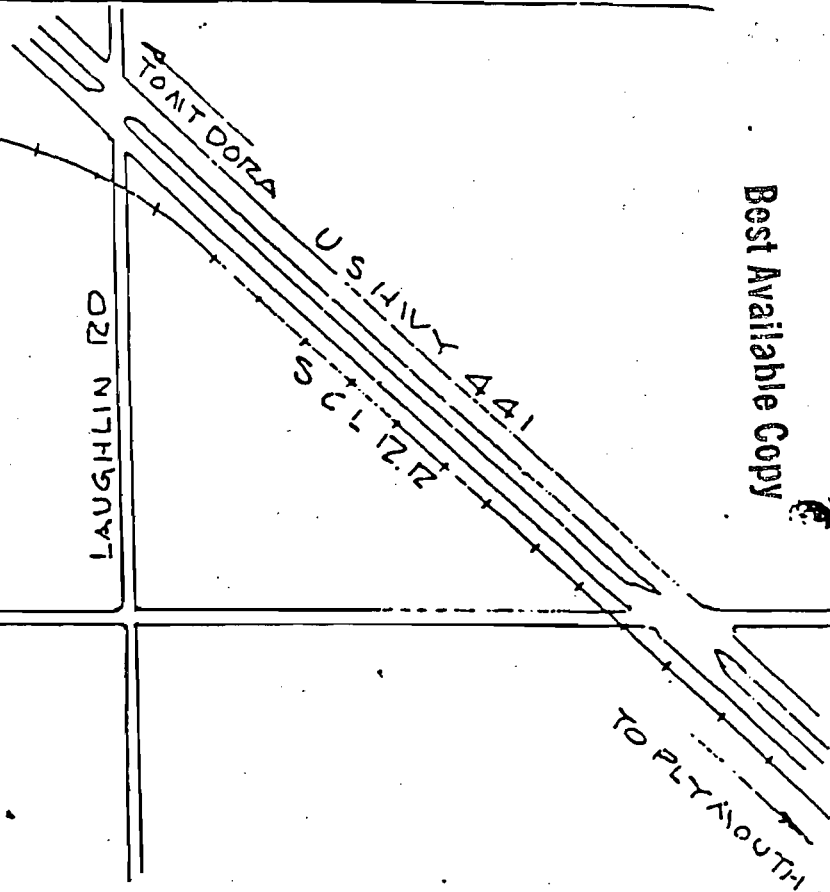
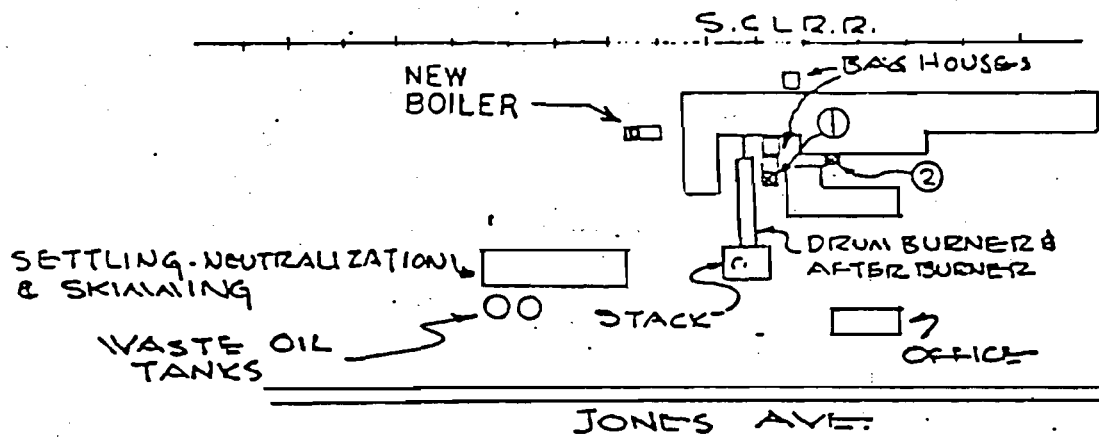
DIZUM SERVICE CO.
OF FLORIDA

SCALE - 1" = 2000'

DIZUM SERVICE CO. OF FLORIDA		
ZELLWOOD, FLORIDA		
DESIGN	DWN. SUP	110-4-VEI
SCALE	DATE 11-3-78	

ATTACHMENT 5

SITE PLAN



Best Available Copy

18



NO SCALE

DZUM SERVICE CO.	
OF FLORIDA	
ZELLWOOD, FLORIDA	
DES.	DWN. SP
SCALE	DATE 11-3-78
	110-4- YE-3 DRAWING NO

200 HP CLEAVER BROOKS PROCESS STEAM BOILER

