

P 274 007 650

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

U.S.G.P.O. 1985-480-794

PS Form 3800, June 1985

Sent to Bill Youngblood	
Silver Springs Citrus Coop.	
P.O. Box 1046	
P.O., State and ZIP Code Winter Garden, FL 32787	
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: 11/20/87 Permit: AC 35-137634	

PS Form 3811, July 1983 447-845

<p><b>SENDER: Complete items 1, 2, 3 and 4.</b></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: Bill Youngblood Executive Vice President Silver Springs Citrus Cooperative P.O. Box 1046 Winter Garden, FL 32787</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> <p>P 274 007 650</p>
<p>Always obtain signature of addressee or agent and <b>DATE DELIVERED.</b></p>	
<p>5. Signature - Addressee</p> <p>X</p>	
<p>6. Signature - Agent</p> <p>X <i>[Signature]</i></p>	
<p>7. Date of Delivery</p> <p>11-24-87</p>	
<p>8. Addressee's Address (ONLY if requested and fee paid)</p> <p><i>[Signature]</i></p>	

DOMESTIC RETURN RECEIPT

file

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. Bill Youngblood  
Executive Vice President  
Silver Springs Citrus Cooperative  
Post Office Box 1046  
Winter Garden, Florida 32787

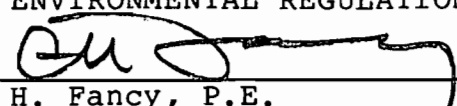
November 20, 1987

Enclosed is permit No. AC 35-137634 for Silver Springs Citrus Cooperative to install a 750 HP Gas Fired Boiler at the Silver Springs Citrus Cooperative site. This facility is located at Mare Avenue, Howey-in-the Hills, Lake County, Florida. 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, CF Dist.  
F. Darabi, P.E.

Final Determination

Silver Springs Citrus Cooperative  
Lake County  
Winter Garden, Florida

Permit Number:  
AC 35-137634

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

November 16, 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 the Orlando Sentinel on October 13, 1987. The Technical Evaluation and Preliminary Determination were available for public inspection at the DER's Central Florida District office in Orlando and the DER Bureau of Air Quality Management office in Tallahassee.

No comments were received during the Public Notice period. Therefore, the final action of the Department will be to issue the construction permit as drafted.

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:  
Silver Spring Citrus  
Cooperative  
P.O. Box 1046  
Winter Garden, Florida 32787

Permit Number: AC 35-137634  
Expiration Date: December 31, 1987  
County: Lake  
Latitude/Longitude: 28° 42' 52"N  
81° 46' 37"W  
Project: Boiler 750 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 750 HP steam boiler.

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 August 4, 1987.

PERMITTEE:  
Silver Springs Citrus  
Cooperative

Permit Number: AC 35-137634  
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:  
Silver Springs Citrus  
Cooperative

Permit Number: AC 35-137634  
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:  
Silver Springs Citrus  
Cooperative

Permit Number: AC 35-137634  
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:  
Silver Springs Citrus  
Cooperative

Permit Number: AC 35-137634  
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. The boiler shall be fired exclusively by natural gas except for periods of natural gas curtailment during which No. 6 fuel oil may be fired.
- 2. The sulfur content of the No. 6 fuel oil burned in the steam boiler during natural gas curtailment shall not exceed 1.0 percent by weight. The fuel analysis of the oil used shall be recorded daily and these records shall be kept for a minimum of two years for regulatory agency inspection. The appropriate ASTM method shall be used to determine the fuel oil sulfur content.

PERMITTEE:  
Silver Springs Citrus  
Cooperative

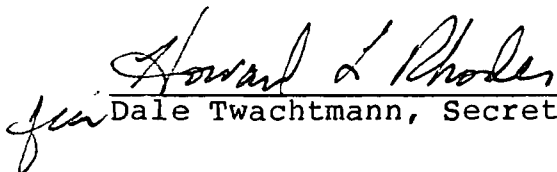
Permit Number: AC 35-137634  
Expiration Date: December 31, 1987

**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. The natural gas consumption in this steam boiler shall not exceed 32 million BTU/hr. If fuel oil is to be fired in this boiler for more than 600 hours in any twelve month period, a modification of this permit shall be required before commencing operation on fuel oil.
5. Visible emissions shall not be greater than 20% opacity, in accordance with Florida Administrative Code (FAC) Rule 17-2.600(6)(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 19 day of Nov., 1987

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

  
for Dale Twachtmann, Secretary

Best Available Control Technology (BACT) Determination  
Silver Springs Citrus Cooperative  
Lake County

The applicant plans to install a 750 HP Hurst Gas Fired packaged process steam boiler at their facility in Howey-in-the Hills, Florida. The boiler will fire only natural gas except for periods of natural gas curtailment during which No. 6 fuel oil containing no more than 1.0 percent sulfur may be fired for up to 600 hours in any 12 month period.

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

BACT Determination Request by the Applicant:

The applicant was not aware of the requirement of BACT determinations for particulate and sulfur dioxide emissions. The Department elected to process the application and to disregard this deficiency in the application.

Bact Determination by DER:

The amount of particulate and sulfur dioxide emissions from the boiler will be limited by the firing of natural gas except during periods of curtailment when No. 6 fuel oil having a sulfur content not to exceed 1.0 percent, by weight, may be fired for up to 600 hours in any 12 month period.

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.

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

Best Available Control Technology (BACT) Determination  
Silver Springs Citrus Cooperative  
Lake County

(continued)

Recommended By:

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

Date: 11/19/87

Approved:

Howard L Rhoden  
for Dale Twachtman, Secretary

Date: Nov. 19, 1987

State of Florida  
DEPARTMENT OF ENVIRONMENTAL REGULATION



# Interoffice Memorandum

For Routing To Other Than The Addressee

To: _____	Location: _____
To: _____	Location: _____
To: _____	Location: _____
From: _____	Date: _____

TO: Dale Twachtmann *[Signature]*  
THRU: Howard Rhodes *[Signature]*  
FROM: Clair Fancy *[Signature]*  
DATE: November 19, 1987

SUBJ: Approval of Silver Springs Citrus Cooperative  
State Construction Permit Number: AC 35-137634

Attached for your approval and signature is a permit for the above mentioned company to install a 750 HP Gas Fired Boiler at the Silver Springs Citrus Cooperative location in Winter Gardens, Lake County, Florida. No comments were received during the public notice period.

Day 90 after which these permits will be issued by default is December 19, 1987.

The Bureau recommends approval and signature.

CHF/MJ/s

attachment

PM  
15 Oct. 1987  
Gainesville, FL

file copy

*Jones  
Edmunds &  
Associates, Inc.* **JEA**

730 North Waldo Road / Gainesville, Florida 32601 / (904) 377-5821

CONSULTING ENGINEERS AND SCIENTISTS

October 15, 1987

DER  
DER  
OCT 16 1987  
OCT 16 1987  
BAQM  
BAQM

DER  
OCT 16 1987  
BAQM

Ms. Maggie Janes, Planner II  
Central Air Permitting Division  
Department of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

RE: Silver Springs Citrus Co-op  
Notice of Intent for 750 Horsepower Hurst Gas Fired Boiler

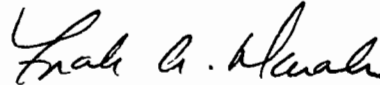
Dear Ms. Janes:

Per your conversation with Ms. Steimle of my office, we requested that Silver Springs Citrus Co-op run the Notice of Intent again in The Orlando Sentinel in its entirety. Enclosed you will find the original article and a certification verifying proof of publication of this public notice.

Thank you for your assistance in this matter.

Sincerely,

JONES, EDMUNDS & ASSOCIATES, INC.



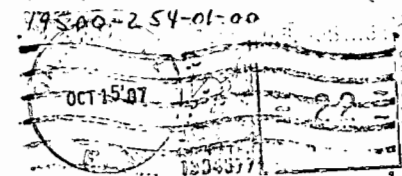
Frank A. Darabi, P.E.  
Consultant

bjs[41.1/28]

Enclosure

Copied: John Reynolds - 10/19/87

**Jones  
Edmunds &  
Associates, Inc. JEA**  
730 North Waldo Road, Gainesville, Florida 32601



Ms. Maggie Janes, Planner II  
Central Air Permitting Division  
Division of Environmental Regulation  
Twin Towers Office Building  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400



# The Orlando Sentinel

Published Daily  
Tavares, Lake County, Florida

State of Florida } SS.  
COUNTY OF ORANGE

Before the undersigned authority personally appeared  
Donna Shaver

who on oath says that  
she is the Legal Advertising Representative of The Orlando Sentinel, a Daily newspaper  
published at Tavares, in Lake County, Florida; that the attached copy of ad-  
vertisement, being a Notice of Intent in the matter of  
Permit to Silver Springs Citrus Cooperative

in the \_\_\_\_\_ Court,  
was published in said newspaper in the issues of \_\_\_\_\_  
October 13, 1987

Affiant further says that the said Orlando Sentinel is a newspaper published at  
Tavares, in said Lake County, Florida, and that the said newspaper has heretofore been con-  
tinuously published in said Lake County, Florida, each Week Day and has been entered as  
second-class mail matter at the post office in Tavares in said Lake County, Florida, for a per-  
iod of one year next preceding the first publication of the attached copy of advertisement;  
and affiant further says that he/she has neither paid nor promised any person, firm or cor-  
poration any discount, rebate, commission or refund for the purpose of securing this adver-  
tisement for publication in the said newspaper.

Donna Shaver

Sworn to and subscribed before me this 13th

day of October, A.D. 1987

Nancy A. Puglia  
Notary Public  
NOTARY PUBLIC, State of Florida at Large  
My Commission Expires May 25, 1991  
Bonded by AMERICAN PIONEER CASUALTY INS. CO.

ADVERTISING CHARGE \$10.13 Paid

## STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION NOTICE OF INTENT

The Department of Environ-  
mental Regulation gives notice  
of its intent to issue a permit to  
Silver Springs Citrus Coopera-  
tive to install a 750 HP Hurst  
gas-fired packaged process  
steam boiler at their existing fa-  
cility located at Mare Avenue,  
Howey-in-the-Hills, Lake County,  
Florida. This boiler will be used  
on a seasonal basis for citrus  
processing. A determination of  
best available control technol-  
ogy (BACT) was required.

Persons whose substantial in-  
terests are affected by the De-  
partment's proposed permitting  
decision may petition for an ad-  
ministrative determination (hear-  
ing) in accordance with Section  
120.57, Florida Statutes. The pe-  
tition must conform to the re-  
quirements of Chapters 17-103  
and 28-5, Florida Administrative  
Code, and must be filed (re-  
ceived) in the Department's Of-  
fice of General Counsel, 2600  
Blair Stone Road, Twin Towers  
Office Building, Tallahassee,  
Florida 32399-2400, within four-  
teen (14) days of publication of  
this notice. Failure to file a pe-  
tition within this time period con-  
stitutes a waiver of any right  
such person has to request an  
administrative determination  
(hearing) under Section 120.57,  
Florida Statutes.

If a petition is filed, the admin-  
istrative hearing process is de-  
signed to formulate agency ac-  
tion. Accordingly, the Depart-  
ment's final action may be differ-  
ent from the proposed agency  
action. Therefore, persons who  
may not wish to file a petition  
may wish to intervene in the pro-  
ceeding. A petition for interven-  
tion must be filed pursuant to  
Rule 28-5.207, Florida Adminis-  
trative Code, at least five (5)  
days before the final hearing  
and be filed with the hearing of-  
ficer if one has been assigned at  
the Division of Administrative  
Hearings, Department of Admin-  
istration, 2009 Apalachee Park-  
way, Tallahassee, Florida 32301.  
If no hearing officer has been as-  
signed, the petition is to be filed  
with the Department's Office of  
General Counsel, 2600 Blair  
Stone Road, Tallahassee, Flor-  
ida 32399-2400. Failure to pe-  
tition to intervene with the allowed  
time frame constitutes a waiver  
of any right such person has to

BAQM

OCT 16 1987

DER

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 Fri-  
day, except legal holidays, at:  
Department of  
Environmental Regulation  
Bureau of  
Air Quality Management  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400  
Department of  
Environmental Regulation  
Central Florida District  
3319 Maguire Boulevard,  
Suite 232  
Orlando, Florida 32803-3767  
Any person may send written  
comments on the proposed ac-  
tion to Mr. Bill Thomas at the  
Department's Tallahassee ad-  
dress. All comments mailed  
within 14 days of the publication  
of this notice will be considered  
in the Department's final  
determination.  
LK-885 Oct. 13, 1987

FORM NO. AD-261

# The Orlando Sentinel

Published Daily  
Tavares, Lake County, Florida

State of Florida }  
COUNTY OF ORANGE }

SS.

Before the undersigned authority personally appeared  
Donna Shaver



\_\_\_\_\_ on oath says that  
she is the Legal Advertising Representative of The Orlando Sentinel, a Daily newspaper  
published at Tavares, in Lake County, Florida; that the attached copy of ad-  
vertisement, being a Notice of Intent in the matter of  
Permit to Silver Springs Citrus Cooperative

\_\_\_\_\_ in the \_\_\_\_\_ Court,  
was published in said newspaper in the issues of \_\_\_\_\_  
October 13, 1987

Affiant further says that the said Orlando Sentinel is a newspaper published at  
Tavares, in said Lake County, Florida, and that the said newspaper has heretofore been con-  
tinuously published in said Lake County, Florida, each Week Day and has been entered as  
second-class mail matter at the post office in Tavares in said Lake County, Florida, for a per-  
iod of one year next preceding the first publication of the attached copy of advertisement;  
and affiant further says that he/she has neither paid nor promised any person, firm or cor-  
poration any discount, rebate, commission or refund for the purpose of securing this adver-  
tisement for publication in the said newspaper.

ADVERTISING CHARGE \$10.13 Paid

## STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION

### NOTICE OF INTENT

The Department of Environ-  
mental Regulation gives notice  
of its intent to issue a permit to  
Silver Springs Citrus Coopera-  
tive to install a 750 HP Hurst  
gas-fired packaged process  
steam boiler at their existing fa-  
cility located at Mare Avenue,  
Howey-in-the-Hills, Lake County,  
Florida. This boiler will be used  
on a seasonal basis for citrus  
processing. A determination of  
best available control techno-  
logy (BACT) was required.

Persons whose substantial in-  
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partment's proposed permitting  
decision may petition for an ad-  
ministrative determination (hear-  
ing) in accordance with Section  
120.57, Florida Statutes. The pe-  
tition must conform to the re-  
quirements of Chapters 17-103  
and 28-5, Florida Administrative  
Code, and must be filed (re-  
ceived) in the Department's Of-  
fice of General Counsel, 2600  
Blair Stone Road, Twin Towers  
Office Building, Tallahassee,  
Florida 32399-2400, within four-  
teen (14) days of publication of  
this notice. Failure to file a pe-  
tition within this time period con-  
stitutes a waiver of any right  
such person has to request an  
administrative determination  
(hearing) under Section 120.57,  
Florida Statutes.

If a petition is filed, the admin-  
istrative hearing process is de-  
signed to formulate agency ac-  
tion. Accordingly, the Depart-  
ment's final action may be differ-  
ent from the proposed agency  
action. Therefore, persons who  
may not wish to file a petition  
may wish to intervene in the pro-  
ceeding. A petition for interven-  
tion must be filed pursuant to  
Rule 28-5.207, Florida Adminis-  
trative Code, at least five (5)  
days before the final hearing  
and be filed with the hearing of-  
ficer if one has been assigned at  
the Division of Administrative  
Hearings, Department of Admin-  
istration, 2009 Apalachee Park-  
way, Tallahassee, Florida 32301.  
If no hearing officer has been as-  
signed, the petition is to be filed  
with the Department's Office of

General Counsel, 2600 Blair  
Stone Road, Tallahassee, Flor-  
ida 32399-2400. Failure to peti-  
tion to intervene with 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 Fri-  
day, except legal holidays, at:  
Department of  
Environmental Regulation  
Bureau of  
Air Quality Management  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400  
Department of  
Environmental Regulation  
Central Florida District  
3319 N. Aguirre Boulevard,  
Suite 102  
Orlando, Florida 32803-3767

Any person may send written  
comments on the proposed ac-  
tion to Mr. Bill Thomas at the  
Department's Tallahassee ad-  
dress. All comments mailed  
within 14 days of the publication  
of this notice will be considered  
in the Department's final  
determination.  
LK-885 Oct. 13, 1987

Donna Shaver  
Sworn to and subscribed before me this 13th  
day of October, A.D. 19 87  
Nancy A. Puglia  
Notary Public  
Notary Public, State of Florida at Large  
My Commission Expires May 25, 1991  
Bonded by AMERICAN PIONEER CASUALTY INS. CO.

FORM NO. AD-261

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 Manag

Initial

Date

3.

Department of Environmental Regulation

Initial

Date

4.

Twin Towers Office Building

2600 Blair Stone Road

Tallahassee, FL 32399-2400

Initial

Date

REMARKS:

FYI

DER

OCT 22 1987

BAQM

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

FROM:

John L...

DATE

10/19/87

PHONE

SC 325-1403

P 274 007 670

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

U.S.G.P.O. 1985-480-794

PS Form 3800, June 1985

Sent to Bill Youngblood	
Silver Springs Citrus Coop.	
Street and No.	
P.O. Box 1046	
P.O. State and ZIP Code	
Winter Garden, FL 32787	
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: 10/09/87	
Permit: AC 35-137634	

PS Form 3811, July 1983 447-845

<p><b>SENDER: Complete items 1, 2, 3 and 4.</b></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. <b>Article Addressed to:</b> Bill Youngblood Executive Vice President Silver Springs Citrus Cooperative P.O. Box 1046 Winter Garden, FL 32787</p>	
<p>4. <b>Type of Service:</b></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><b>Article Number</b></p> <p>P 274 007 670</p>
<p>Always obtain signature of addressee or agent and <b>DATE DELIVERED.</b></p>	
<p>5. <b>Signature - Addressee</b></p> <p>X</p>	
<p>6. <b>Signature - Agent</b></p> <p>X <i>[Signature]</i></p>	
<p>7. <b>Date of Delivery</b></p> <p>10-13-87</p>	
<p>8. <b>Addressee's Address (ONLY if requested and fee paid)</b></p>	

DOMESTIC RETURN RECEIPT

Jill

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

October 9, 1987

<sup>6</sup>  
CERTIFIED MAIL - RETURN RECEIPT REQUESTED

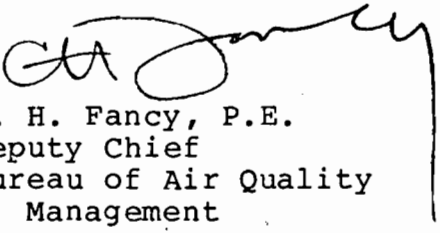
Mr. Bill Youngblood  
Executive Vice President  
Silver Springs Citrus Cooperative  
Post Office Box 1046  
Winter Garden, Florida 32787

Dear Mr. Youngblood:

We have received your proof of publication for construction permit AC 35-137634, 750 HP Hurst gas fired boiler. After reviewing and comparing your Notice of Intent with the copy that was forwarded to your company for publication, it has been determined that the Notice will have to be republished as it does not appear as it was issued. The 90-day permit processing clock will not resume until we receive a copy of the readadvertised Notice of Intent as was issued.

If you have any questions, please call Margaret Janes at (904) 488-1344 or write to me at the above address.

Sincerely,

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

/mvj

cc: B. Pittman, Esq.  
T. Sawicki, CF District  
F. Darabi, Jones, Edmunds & Assoc., Inc.

PM  
2 Oct 87  
Gainesville, FL  
Jones  
Edmunds &  
Associates, Inc. JEA

730 North Waldo Road / Gainesville, Florida 32601 / (904) 377-5821

CONSULTING ENGINEERS AND SCIENTISTS

file copy PF

DER

OCT 5 1987

BAQM

September 28, 1987

Mr. C. H. Fancy, P.E., Deputy  
Bureau of Air Quality  
2600 Blair Stone Road  
Tallahassee, Florida 32399

RE: Silver Springs Citrus Co-op  
750 Horsepower Hurst Gas Fired Boiler

Dear Mr. Fancy:

We are hereby submitting a certified copy of proof of publication of the public notice on the referenced project. Your review and continued processing of the Permit Application is appreciated.

- Original  
attached  
per your  
request.

Sincerely,

JONES, EDMUNDS & ASSOCIATES, INC.

Frank A. Darabi *bji*

Frank A. Darabi, P.E.  
Consultant

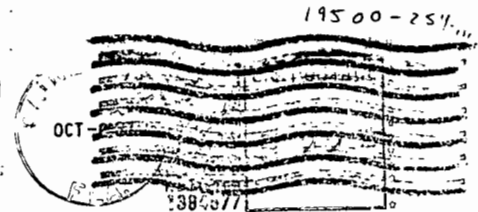
FAD/bjs[64/26]

Enclosures

xc: Mr. Youngblood

**Jones  
Edmunds &  
Associates, Inc.** *JEA*  
730 North Waldo Road, Gainesville, Florida 32601

Mr. C. H. Fancy, P.E., Deputy  
Bureau of Air Quality  
2600 Blair Stone Road  
Tallahassee, Florida 32399



# The Orlando Sentinel

Published Daily

Tavares, Lake County, Florida

State of Florida }  
COUNTY OF ORANGE } SS.

Before the undersigned authority personally appeared \_\_\_\_\_

Donna Shaver, who on oath says that

she is the Legal Advertising Representative of The Orlando Sentinel, a Daily newspaper published at Tavares, in Lake County, Florida; that the attached copy of advertisement, being a Notice of Intent in the matter of

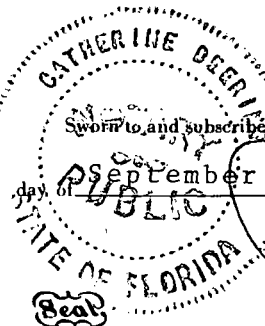
Permit to Silver Springs Citrus Cooperative

in the \_\_\_\_\_ Court.

was published in said newspaper in the issues of \_\_\_\_\_

September 23, 1987

Affiant further says that the said Orlando Sentinel is a newspaper published at Tavares, in said Lake County, Florida, and that the said newspaper has heretofore been continuously published in said Lake County, Florida, each Week Day and has been entered as second-class mail matter at the post office in Tavares in said Lake County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/she 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.



Donna Shaver

Sworn to and subscribed before me this 24th

September

A.D., 1987

Notary Public, State of Florida at Large

My Commission Expires March 4, 1989

Bonded Thru Brown & Brown, Inc.

ADVERTISING CHARGE \$7.77 Paid

## State of Florida Department of Environmental Regulation Notice of Intent

The Department of Environmental Regulation gives notice of its intent to issue a permit to Silver Springs Citrus Cooperative to install a 750 HP Hurst gas-fired packaged process steam boiler at their existing facility located at Mare Avenue, Howey-in-the-Hills, Lake County, Florida. This boiler will be used on a seasonal basis for citrus processing. 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 determination (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 Department's Office of General Counsel, 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Failure to file a petition within this time period constitutes a waiver of any right such person has 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 proposed agency action. Therefore, persons who may not wish to file a petition may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Rule 28-5.207, Florida Administrative Code, 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 32399-2400. 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.

1 K-144

Sept 23, 1987

RM NO. AD-261

Barbara  
Spoke with Pete at Jones, Edmunds &  
Associates, Inc., She will leave a message  
for Mr. Derabi and they will check on it.

*(Signature)*

10/6/87 9:25pm

*Jones  
Edmunds &  
Associates, Inc.* **JEA**

730 North Waldo Road / Gainesville, Florida 32601 / (904) 377-5821

CONSULTING ENGINEERS AND SCIENTISTS

September 28, 1987

**DER**

**SEP 30 1987**

**BAQM**

Mr. C. H. Fancy, P.E., Deputy  
Bureau of Air Quality  
2600 Blair Stone Road  
Tallahassee, Florida 32399

RE: Silver Springs Citrus Co-op  
750 Horsepower Hurst Gas Fired Boiler

Dear Mr. Fancy:

We are hereby submitting a certified copy of proof of publication of the public notice on the referenced project. Your review and continued processing of the Permit Application is appreciated.

Sincerely,

JONES, EDMUNDS & ASSOCIATES, INC.

*Frank A. Darabi*

Frank A. Darabi, P.E.  
Consultant

FAD/bjs[64/26]

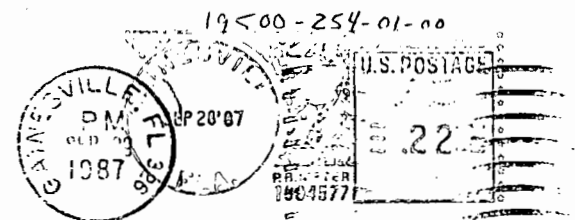
Enclosures

xc: Mr. Youngblood

*Spoke with Mr. Darabi on 10/1/87 and told him I needed the original affidavit and newspaper copy. He said he would put it in the mail. (m) 12:00 noon*

**Jones  
Edmunds &  
Associates, Inc.** *JEA*  
730 North Waldo Road Gainesville, Florida 32601

Mr. C. H. Fancy, P.E., Deputy  
Bureau of Air Quality  
2600 Blair Stone Road  
Tallahassee, Florida 32399



PM  
Sept. 28, 1987  
Gainesville, FL

# The Orlando Sentinel

Published Daily  
Tavares, Lake County, Florida

ADVERTISING CHARGE \$7.77 Paid

State of Florida } SS.  
COUNTY OF ORANGE

Before the undersigned authority personally appeared \_\_\_\_\_

Donna Shaver, who on oath says that

she is the Legal Advertising Representative of The Orlando Sentinel, a Daily newspaper published at Tavares, in Lake County, Florida; that the attached copy of advertisement, being a Notice of Intent in the matter of Permit to Silver Springs Citrus Cooperative

\_\_\_\_\_ in the \_\_\_\_\_ Court,

was published in said newspaper in the issues of \_\_\_\_\_  
September 23, 1987

Affiant further says that the said Orlando Sentinel is a newspaper published at Tavares, in said Lake County, Florida, and that the said newspaper has heretofore been continuously published in said Lake County, Florida, each Week Day and has been entered as second-class mail matter at the post office in Tavares in said Lake County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/she 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.

Donna Shaver

Sworn to and subscribed before me this 24th

day of September A.D., 1987



Notary Public, State of Florida at Large  
Notary Public  
My Commission Expires March 4, 1989  
Bonded Thru Brown & Brown, Inc.

State of Florida  
Department of Environmental  
Regulation  
Notice of Intent  
The Department of Environmental Regulation gives notice of its intent to issue a permit to Silver Springs Citrus Cooperative to install a 750 HP Hurst gas-fired packaged process steam boiler at their existing facility located at Mare Avenue, Highway-in-the-Hills, Lake County, Florida. This boiler will be used on a seasonal basis for citrus processing. 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 determination (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 Department's Office of General Counsel, 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Failure to file a petition within this time period constitutes a waiver of any right such person has 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 proposed agency action. Therefore, persons who may not wish to file a petition may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Rule 28-5.207, Florida Administrative Code, 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 32399-2400. 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.  
K-144 Sept. 23, 1987

RM NO. AD-261

copied: John Reynolds - 10/2/87

DER

SEP 30 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 Manag.

Initial

Date

3.

Initial

Date

4.

Initial

Date

REMARKS:

FR I, being processed  
by CAPS.

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

SEP 30 1987

BAQM

FROM:

John Limer

DATE

9/29/87

PHONE

SC 325-1403

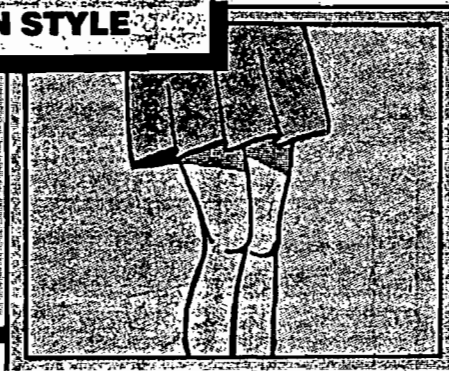
TODAY IN STYLE

# Season's greetings

Greg Dawson: The hits and misses  
— so far — of the new TV season

# Staying in vogue

Don't fight it, surrender! Minis are  
a part of the 'uniform' for this fall



this fall's for real — rain. High 92, low 72. Details, page A-2.

Wednesday, September 23, 1987

# The Orlando Sentinel

The best newspaper in Florida

© 1987 Sentinel Communications Company.



the surge was a steady

abandoned after a 20-16 floor vote on an amendment  
that killed the sales tax increase and prompted Sen-

The Orlando Sentinel

# LAKE

RS. FRI. SAT.  
24 SEPT. 25 SEPT. 26

**State of Florida**  
**Department of Environmental Regulation**  
**Notice of Intent**  
The Department of Environmental Regulation gives notice of its intent to issue a permit to Silver Springs Citrus Cooperative, Inc. to install a 750 HP gas-fired packaged process steam boiler at their existing facility located at Mare Avenue, Howardsville, Hills, Lake County, Florida. This boiler will be used for the production of citrus juice. A detailed description of the proposed project is available for review at the Department of Environmental Regulation, 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Failure to file a petition within this time period constitutes a waiver of any right such person has to request an administrative determination of the proposed project. If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's position may be different from the position of the agency who proposed the project. A petition for intervention must be filed pursuant to Rule 28-5.207, Florida Administrative Code, at least five (5) days before the final hearing of the project. Failure to file a petition for intervention within the time period constitutes a waiver of any right such person has to request a hearing under Section 120.57, Florida Statutes.

P 274 007 698

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
NOT FOR INTERNATIONAL MAIL  
(See Reverse)

PS Form 3800, June 1985-480-794

PS Form 3800, June 1985

Sent to B. C. Youngblood Silver Springs Citrus Coop.	
Street and No. P.O. Box 1046	
P.O., State and ZIP Code Winter Garden, FL 32787	
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: 09/10/87 Permit: AC 35-137634	

PS Form 3811, July 1983 447-845

<p><b>SENDER: Complete items 1, 2, 3 and 4.</b></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. B. C. Youngblood Silver Springs Citrus Cooperative P.O. Box 1046 Winter Garden, FL 32787</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> <p>P 274 007 698</p>
<p>Always obtain signature of addressee or agent and <b>DATE DELIVERED.</b></p>	
<p>5. Signature - Addressee</p> <p>X</p>	
<p>6. Signature - Agent</p> <p>X <i>John Reed</i></p>	
<p>7. Date of Delivery</p>	
<p>8. Addressee's Address (ONLY if requested and fee paid)</p>	

DOMESTIC RETURN RECEIPT

file 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

September 10, 1987

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. Bill C. Youngblood  
Executive Vice President  
Silver Springs Citrus Cooperative  
P.O. Box 1046  
Winter Garden, Florida 32787

Dear Mr. Youngblood:

Attached is one copy of the Technical Evaluation and Preliminary Determination and draft permit for installation of a 750 HP Hurst Gas Fired packaged process steam boiler at your existing Lake 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/ss

Attachments

cc: T. Sawicki - CF District  
F. Darabi, - Jones, Edmunds & Assoc.

State of Florida  
Department of Environmental Regulation  
Notice of Intent

The Department of Environmental Regulation gives notice of its intent to issue a permit to Silver Springs Citrus Cooperative to install a 750 HP Hurst gas-fired packaged process steam boiler at their existing facility located at Mare Avenue, Howey-in-the-Hills, Lake County, Florida. This boiler will be used on a seasonal basis for citrus processing. 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 determination (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 Department's Office of General Counsel, 2600 Blair Stone Road, Twin Towers Office Building, Tallahassee, Florida 32399-2400, within fourteen (14) days of publication of this notice. Failure to file a petition within this time period constitutes a waiver of any right such person has 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 proposed agency action. Therefore, persons who may not wish to file a petition may wish to intervene in the proceeding. A petition for intervention must be filed pursuant to Rule 28-5.207, Florida Administrative Code, 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 32399-2400. 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.

2

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  
Bureau of Air Quality Management  
2600 Blair Stone Road  
Tallahassee, Florida 32399-2400

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

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.

BEFORE THE STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of  
Application for Permit by:

Silver Springs Citrus Cooperative  
P.O. Box 1046  
Winter Garden, Florida 32787

---

DER File No. AC 35-137634

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, Silver Springs Citrus Cooperative applied on August 4, 1987, to the Department of Environmental Regulation for a permit to install a 750 HP Hurst Gas Fired packaged process steam boiler at their existing facility in Howey-in-the-Hills, Lake 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.

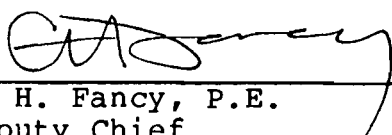
Pursuant to Section 403.815, F.S. and DER Rule 17-103.150, FAC, you (the applicant) are required to publish at your own expense the enclosed Notice of Proposed Agency Action on permit application. The notice must be published one time only in a section of a major local newspaper of general circulation 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- CF District  
F. Darabi - Jones, Edmunds & Assoc.

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 September 10, 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.

  
Clerk

09/10/87  
Date

Technical Evaluation  
and  
Preliminary Determination

Silver Springs Citrus Cooperative  
Lake County  
Winter Garden, Florida

Permit Number:  
AC 35-137634

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

September 10, 1987

## I. Project Description

### A. Applicant

Bill C. Youngblood, EVP  
Silver Springs Citrus Cooperative  
P.O. Box 1046  
Winter Garden, Florida 32787

### B. Project and Location

The applicant proposes to install a 750 HP Hurst gas fired Series 400 packaged process steam boiler. This boiler will be used for citrus processing and will operate 5,760 hours per year.

The existing facility is located at Mare Avenue in the city of Howey-in-the-Hills, Lake County, Florida, with UTM coordinates of 424.1 km E and 3176.4 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) Chapters 17-2 and 17-4.

The proposed facility is located in Lake County, which is an area designated attainment for regulated pollutants (FAC Rule 17-2.420).

This 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 17-2.600(6), Fossil Fuel Steam Generators with Less than 250 million BTU per hour Heat Input, New and Existing Sources.

## III. Source Impact Analysis

### A. Emission Limitation

The major air pollutants emitted from the proposed steam boiler will be PM, SO<sub>2</sub>, CO, NO<sub>x</sub> and VOC. The maximum sulfur content of the No. 6 fuel oil used only on standby will be 1.0 percent.

As the following table shows, there is no significant increase in emissions of any pollutant.

Pollutant	Lbs/Hr	T/Yr
PM	0.31	0.90
SO <sub>2</sub>	0.02	0.05
CO	1.03	3.11
NOx	6.66	19.20
VOC	0.18	0.52

#### B. Air Quality Analysis

The Department has determined that the construction and operation of this source will not have significant impact on ambient air quality.

#### IV. Conclusion

The Department concludes that the proposed source will comply with all applicable rules and requirements.

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:  
Silver Spring Citrus  
Cooperative  
P.O. Box 1046  
Winter Garden, Florida 32787

Permit Number: AC 35-137634  
Expiration Date: December 31, 1987  
County: Lake  
Latitude/Longitude: 28° 42' 52"N  
81° 46' 37"W  
Project: Boiler 750 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 750 HP steam boiler.

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 August 4, 1987.

PERMITTEE:  
Silver Springs Citrus  
Cooperative

Permit Number: AC 35-137634  
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:  
Silver Springs Citrus  
Cooperative

Permit Number: AC 35-137634  
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:  
Silver Springs Citrus  
Cooperative

Permit Number: AC 35-137634  
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:  
Silver Springs Citrus  
Cooperative

Permit Number: AC 35-137634  
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. The boiler shall be fired exclusively by natural gas except for periods of natural gas curtailment during which No. 6 fuel oil may be fired.
- 2. The sulfur content of the No. 6 fuel oil burned in the steam boiler during natural gas curtailment shall not exceed 1.0 percent by weight. The fuel analysis of the oil used shall be recorded daily and these records shall be kept for a minimum of two years for regulatory agency inspection. The appropriate ASTM method shall be used to determine the fuel oil sulfur content.

PERMITTEE:  
Silver Springs Citrus  
Cooperative

Permit Number: AC 35-137634  
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. The natural gas consumption in this steam boiler shall not exceed 32 million BTU/hr. If fuel oil is to be fired in this boiler for more than 600 hours in any twelve month period, a modification of this permit shall be required before commencing operation on fuel oil.

5. Visible emissions shall not be greater than 20% opacity, in accordance with Florida Administrative Code (FAC) Rule 17-2.600(6)(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 Twachtman, Secretary

Best Available Control Technology (BACT) Determination  
Silver Springs Citrus Cooperative  
Lake County

The applicant plans to install a 750 HP Hurst Gas Fired packaged process steam boiler at their facility in Howey-in-the Hills, Florida. The boiler will fire only natural gas except for periods of natural gas curtailment during which No. 6 fuel oil containing no more than 1.0 percent sulfur may be fired for up to 600 hours in any 12 month period.

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

BACT Determination Request by the Applicant:

The applicant was not aware of the requirement of BACT determinations for particulate and sulfur dioxide emissions. The Department elected to process the application and to disregard this deficiency in the application.

Bact Determination by DER:

The amount of particulate and sulfur dioxide emissions from the boiler will be limited by the firing of natural gas except during periods of curtailment when No. 6 fuel oil having a sulfur content not to exceed 1.0 percent, by weight, may be fired for up to 600 hours in any 12 month period.

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.

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

Best Available Control Technology (BACT) Determination  
Silver Springs Citrus Cooperative  
Lake County  
(continued)

Recommended By:

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

Date: \_\_\_\_\_

Approved:

Dale Twachtman, Secretary

Date: \_\_\_\_\_

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 Manag.

Initial

Date

3.

Department of Environmental Regulation

Initial

Date

4.

Twin Towers Office Building

2600 Blair Stone Road

Tallahassee, FL 32399-2400

Initial

Date

REMARKS:

This is the one we  
discussed 8/6/87, located  
at a major facility.  
I have transferred  
on PATS.

8-7-87

John,

No info on No 6 oil. ext. needed  
several forms noted. Missing  
applic.

copied: J. Reynolds

B. Andrews

District sent us 4 x A co.

8-10-87 ABM

INFORMATION

Review & Return

Review & File

Initial & Forward

DER

AUG 7 1987

DISPOSITION

BAQM

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

FROM:

John Turner

DATE

8/6/87

PHONE

SC 325-  
1403

DER

AUG 7 1987

BAQM

08/04/87

## APPLICATION TRACKING SYSTEM

APPL NO:137634

APPL RECVD:08/04/87 TYPE CODE:AC SUBCODE:05

LAST UPDATE:08/04/87

DER OFFICE RECVD:BAQ DER OFFICE TRANSFER TO:\_\_\_ APPLICATION COMPLETE:\_\_\_/\_\_\_/\_\_\_

DER PROCESSOR:J TURNER B Thomas John Reynolds

APPL STATUS:AC DATE:08/04/87 (ACTIVE/DENIED/WITHDRAWN/EXEMPT/ISSUED/GENERAL)

RELIEF:\_\_\_ (SSAC/EXEMPTIONS/VARIANCE)

(Y/N) N MANUAL TRACKING

DISTRICT:30 COUNTY:35

(Y/N) N DNR REVIEW REQD?

LAT/LONG:28.42.52/81.46.37

(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:SILVER SPRINGS CITRUS/750 HURST BLR

STREET:MARE AVENUE

CITY:HOWEY IN THE HILLS

STATE:FL ZIP:\_\_\_\_\_

PHONE:\_\_\_\_\_

APPLICATION NAME:YOUNGBLOOD, BILL C.

STREET:P.O. BOX 1046

CITY:WINTER GARDEN

STATE:FL ZIP:32787

PHONE:305-656-1122

AGENT NAME:JONES, EDMUNDS &amp; ASSOCIATES

STREET:730 NORTH WALDO ROAD

CITY:GAINESVILLE

STATE:FL ZIP:32601

PHONE:904-377-5821

FEE #1 DATE PAID:08/04/87 AMOUNT PAID:00100 RECEIPT NUMBER:00114114

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 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	___/___/___
E	DATE #2 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	___/___/___
E	DATE #3 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	___/___/___
E	DATE #4 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	___/___/___
E	DATE #5 ADDITIONAL INFO REQ--REC FROM APPLICANT	- - -	___/___/___
E	DATE #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:

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

Nº 114114

RECEIPT FOR APPLICATION FEES AND MISCELLANEOUS REVENUE

Received from Jones, Edmunds & Associates Date Aug. 4, 1987

Address 730 No. Woburn Rd. Gainesville 32601 Dollars \$ 100.<sup>00</sup>

Applicant Name & Address \_\_\_\_\_

Source of Revenue Silver Springs Citrus

Revenue Code 001031 CK 019239 Application Number AC35-137634

By S. Coombs

## STATE OF FLORIDA

## DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHEAST DISTRICT  
BRANCH OFFICE825 NORTHWEST 23rd AVENUE  
SUITE G  
GAINESVILLE, FLORIDA 32601PAID  
AUG 04 1987BOB GRAHAM  
GOVERNORVICTORIA J. TSCHINKEL  
SECRETARYCENTRAL FLORIDA  
DISTRICTAPPLICATION TO ~~CREATE~~/CONSTRUCT AIR POLLUTION SOURCESSOURCE TYPE: Boiler ☒ New<sup>1</sup> ☐ Existing<sup>1</sup>APPLICATION TYPE: ☒ Construction ☐ Operation ☐ ModificationCOMPANY NAME: Silver Springs Citrus Cooperative COUNTY: LakeIdentify 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) 750 HP Hurst gas fired boilerSOURCE LOCATION: Street Mare Avenue City Howey-in-the-HillsUTM: East 424.1 Km North 3176.4 KmLatitude 28 ° 42 ' 52 "N Longitude 81 ° 46 ' 37 "WAPPLICANT NAME AND TITLE: Bill C. Youngblood, Executive Vice PresidentAPPLICANT ADDRESS: P.O. Box 1046 Winter Garden, florida 32787

## SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

## A. APPLICANT

I am the undersigned owner or authorized representative\* of Silver Springs Citrus Coop.

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: Bill C. Youngblood  
Bill C. Youngblood, Executive Vice President  
 Name and Title (Please Type)

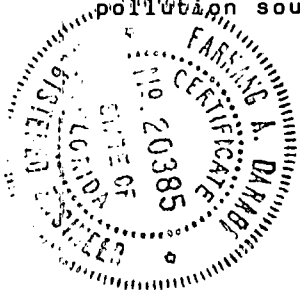
Date: 7/4/87 Telephone No. 305 656-1122

## 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

<sup>1</sup> 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 Frank A. Darabi

Frank A. Darabi

Name (Please Type)

JONES, EDMUNDS & ASSOCIATES, INC.

Company Name (Please Type)

730 North Waldo Road Gainesville, Florida 32601

Mailing Address (Please Type)

Florida Registration No. 20385

Date: 7/30/87

Telephone No. 904 377-5821

## 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.

Construction of a 750 HP series 400 Hurst Boiler for production of 30,000 pounds per hour of steam to be used in citrus processing. The primary fuel will be natural gas with #6 fuel as a standby.

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

Start of Construction ASAP Completion of Construction October 1987

- 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.)

\$200,000.00

- 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 24 ; days/wk 6 ; wks/yr 40 ;  
if power plant, hrs/yr 5760; if seasonal, describe: \_\_\_\_\_

Citrus processing season

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? NO
    - a. If yes, has "offset" been applied? \_\_\_\_\_
    - b. If yes, has "Lowest Achievable Emission Rate" been applied? \_\_\_\_\_
    - c. If yes, list non-attainment pollutants. \_\_\_\_\_
  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
- H. 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:

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

#### 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 <sup>1</sup>		Allowed <sup>2</sup> Emission Rate per Rule 17-2	Allowable <sup>3</sup> Emission lbs/hr	Potential <sup>4</sup> Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/yr	T/yr	
Particulate	0.31	0.9	20%	opacity	0.31	0.9	
S O <sub>2</sub>	0.019	0.05			0.019	0.05	
NOX	6.66	19.2			0.66	19.2	

<sup>1</sup>See Section V, Item 2.

<sup>2</sup>Reference 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)

<sup>3</sup>Calculated from operating rate and applicable standard.

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

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

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles Size Collected (in microns) (If applicable)	Basis for Efficiency (Section V Item 5)
NONE				

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
Natural Gas	0.015	0.031	31.4

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

Fuel Analysis:

Percent Sulfur: --- Percent Ash: ---

Density: --- lbs/gal Typical Percent Nitrogen: ---

Heat Capacity: 1000 BTU/1000ft<sup>3</sup> BTU/lb --- BTU/gal

Other Fuel Contaminants (which may cause air pollution): NONE

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

Annual Average NONE Maximum ---

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

Boiler blow down to the plant sprayfield

Stack Height: 20 ft. Stack Diameter: 28 inches ~~ft.~~  
Gas Flow Rate: 27000 ACFM          DSCFM Gas Exit Temperature: 350 °F.  
Water Vapor Content: 10 % Velocity: 107 FPS

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)							

Date Constructed	Model No.
1964	100
1965	101
1966	102
1967	103
1968	104
1969	105
1970	106
1971	107
1972	108
1973	109
1974	110
1975	111
1976	112
1977	113
1978	114
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2108	244
2109	245
2110	246
2111	247
2112	248
2113	249
2114	250
2115	251
2116	252
2117	253
2118	254
2119	255

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

[ ] 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)]
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.
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).
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.)
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).
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.
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).
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.

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 Cost:

9. Emissions:

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:<sup>1</sup> d. Capital Cost:  
e. Useful Life: f. Operating Cost:  
g. Energy:<sup>2</sup> 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:<sup>1</sup> d. Capital Cost:  
e. Useful Life: f. Operating Cost:  
g. Energy:<sup>2</sup> h. Maintenance Cost:  
i. Availability of construction materials and process chemicals:

<sup>1</sup>Explain method of determining efficiency.

<sup>2</sup>Energy 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:<sup>1</sup>

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

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:<sup>1</sup>

d. Capital Costs:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

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:<sup>1</sup>

3. Capital Cost:

4. Useful Life:

5. Operating Cost:

6. Energy:<sup>2</sup>

7. Maintenance Cost:

8. Manufacturer:

9. Other locations where employed on similar processes:

a. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

<sup>1</sup>Explain method of determining efficiency.

<sup>2</sup>Energy to be reported in units of electrical power - KWH design rate.

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration

(8) Process Rate:<sup>1</sup>

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration

(8) Process Rate:<sup>1</sup>

10. Reason for selection and description of systems:

<sup>1</sup>Applicant 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 \_\_\_\_\_ ( ) SO<sub>2</sub>\* \_\_\_\_\_ 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

B. 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) \_\_\_\_\_

C. 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.

D. Applicants Maximum Allowable Emission Data

Pollutant	Emission Rate
TSP	_____ grams/sec
SO <sub>2</sub>	_____ grams/sec

E. 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.

F. Attach all other information supportive to the PSD review.

G. 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.

H. 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.

## SERIES 400

Three Pass Wet Back  
Packaged Scotch Boilers

### STANDARD FEATURES

**Durability** - Built in accordance with the ASME Code, the wet back design has proven to give much longer useful life cycles than dry back boilers.

**Quality** - Each unit is tested and inspected by Hartford and is registered with the National Board of Boiler and Pressure Vessel Inspectors.

**Design** - Hurst Boiler utilizes state of the art computer design techniques in every boiler. This accounts for accurate calculations of construction materials and optimum utilization of the boiler's performance criteria.

**Efficiency** - The Series 400 is designed for optimum fuel efficiency and has proven in certified tests to meet and often exceed the efficiencies of 4-pass boilers.

**Low Maintenance** - There is no refractory rear door to maintain and no refractory baffles to replace. Elimination of these components results in thousands of dollars of savings.

**Tube Sheets** - The wet back has independent tube sheets with uniform temperatures. Three and four pass dry back boilers have tube sheets with large temperature variations and this results in premature tube failure and cracks in the tube sheets.

**Easy Access** - Since there is no large refractory rear door, one man can easily remove the rear cover plates for access to the tubes. The two front doors are hinged and can be opened without removing burner components or controls.

**Tubes** - The fire tubes are not welded in the wet back boiler. This results in lower tube maintenance costs and allows in-house personnel to make repairs when required.

**Compact** - With computer aided design, Hurst has made the wet back a space saving workhorse without sacrificing the principle of 5 sq. ft. of heating surface per Bhp.

**Combustion** - Hurst uses name brand burner components with proven reliability. Every unit is boiler/burner compatible and test fired at the factory prior to shipment.

#### Standard Steam Trim

- Operating & limit pressure control
- Modulating pressure control (when appl.)
- Water column with gauge glass, trycocks, combination low water cut-off & pump control
- Steam pressure gauge, syphon, & test cock
- Water column drain valve
- Safety relief valve(s) per ASME Code

#### Standard Water Trim

- Operating & limit temperature control
- Modulating temperature control (when appl.)
- Float type low water cut-off control & drain
- Combination pressure, temperature, altitude gauge
- Hot water return baffle for shock resistance
- Safety relief valve(s) per ASME Code

Distributed By.

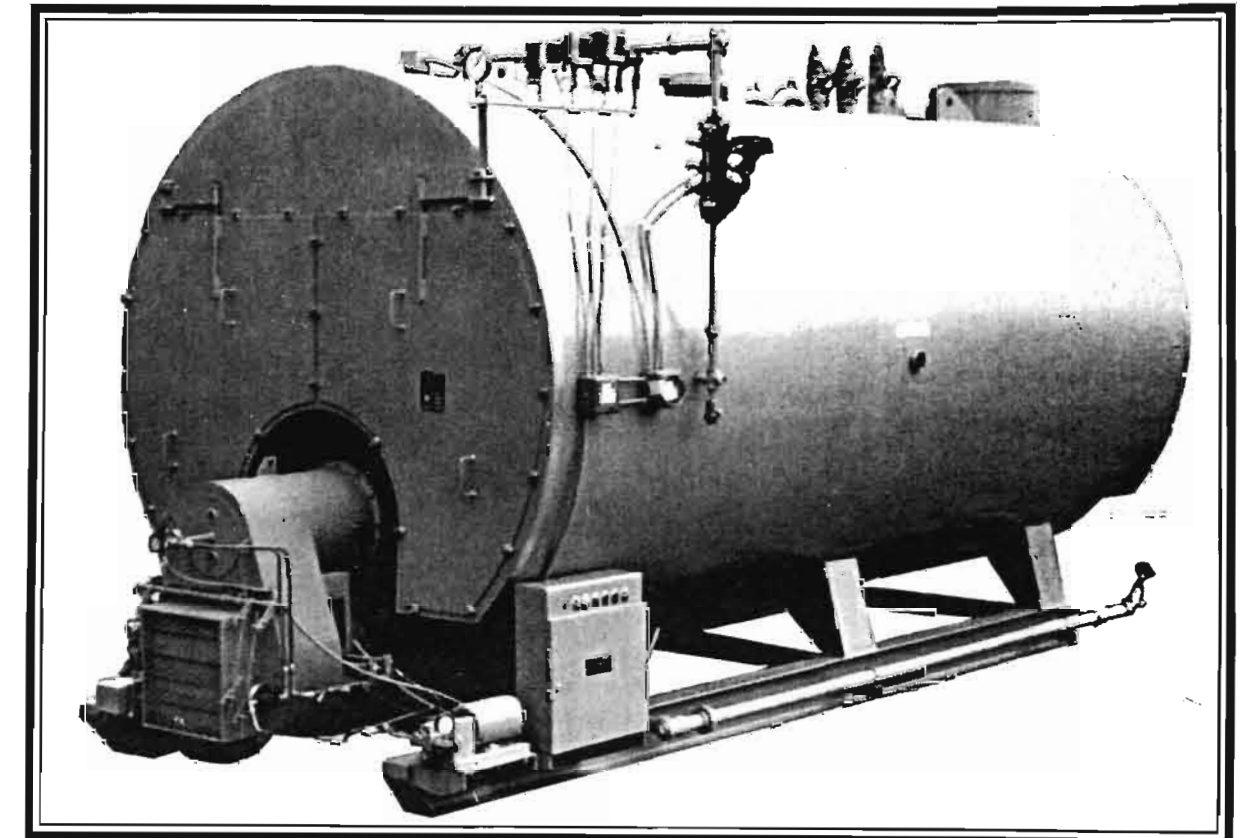


P.O. Box 529 — Hwy. 319 S.  
Coolidge, GA 31738  
U.S.A.  
(912) 346-3545  
Telex 804616



## SERIES 400

Three Pass Wet Back  
Packaged Scotch Boilers



Available in Steam or Hot Water Versions  
30-1400 HP — Pressure to 300 psig.

160 PSI  
Boiler rated at 200 PSI

Three-pass wet back design eliminates refractory baffles between flue gas passes.

U.L. listed forced draft burners for firing gas, oil and combination gas/oil

Minimum maintenance with rugged construction for extra-long life.

Factory test fired and checked for optimum operating efficiency.

### HURST "PERFORMANCE" BOILERS



Designed, constructed and stamped in accordance with the requirements of the ASME Boiler Codes.



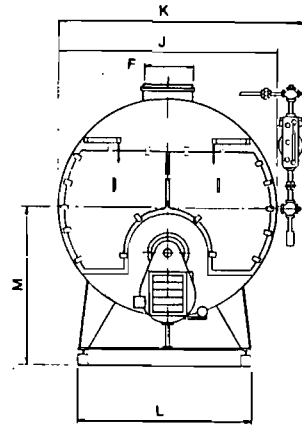
Inspected and registered with the National Board of Boiler & Pressure Vessel Inspectors



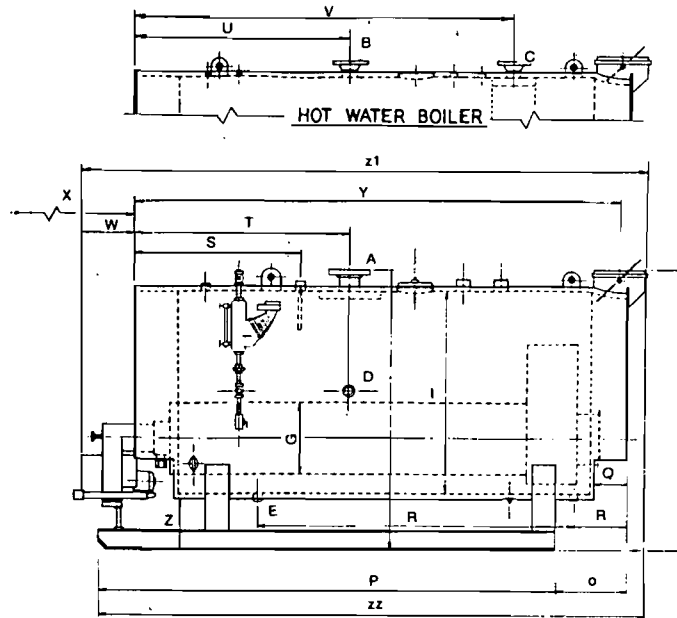
Member, American Boiler Manufacturer's Association

# SERIES 400

Three Pass Wet Back  
Packaged Scotch Boilers



FRONT VIEW



RIGHT SIDE VIEW

40' Long  
30' Wide  
18' High  
3,000 GPM  
80,000 W.T.  
536 PM

## BOILER SPECIFICATIONS

BOILER HORSEPOWER		30	40	50	60	70	80	100	125	150	200	250	300	350	400	500	600	750	1000
HEATING SURFACE (FIRESIDE)	SQ. FT.	150	200	250	300	350	400	500	625	750	1000	1250	1500	1750	2000	2500	3000	3750	5000
STEAM OUTPUT, FROM & AT 212°F	LBS/HR.	1035	1380	1725	2070	2415	2760	3450	4313	5175	6900	8625	10350	12075	13800	17250	20700	25875	30000
GROSS OUTPUT	MBH	1004	1339	1674	2009	2343	2678	3348	4184	5021	6695	8369	10043	11716	13390	16738	20085	25106	33475
FIRING RATE, GAS (1,000 BTU/CF)	MBH	1260	1680	2100	2520	2940	3360	4200	5250	6300	8400	10500	12600	14700	16800	21000	25200	31500	42000
FIRING RATE, LP GAS (91,500 BTU)	GPH	13.8	18.4	23	27.5	32	36.7	46	57	69	92	115	138	160	184	230	275	344	457
FIRING RATE, #2 OIL (140,000 BTU)	GPH	9	12	15	18	21	24	29.9	37.4	45	60	75	90	105	120	150	180	225	299
FIRING RATE, #5 & 6 OIL (150,000 BTU)	GPH	8.4	11.2	14.0	16.8	19.6	22.4	28	35	42	56	70	84	98	112	140	168	210	279
STEAM SPACE	CU. FT.	4.4	5.6	8.0	9.5	6.6	7.8	9.97	12.5	14.8	19.2	29	39	45	57.4	75.5	90.2	112.25	122.5
STEAM DISENGAGING AREA	SQ. FT.	12.9	16.4	19.5	23.0	19.56	22.3	24	30.25	32.9	42	50	58.6	68	71.8	84.8	92.6	115.2	129.75
A NOTE 1 STEAM OUTLET SIZE	150 PSI	1 1/2"	2"	2 1/2"	2 1/2"	3"	3"	4"	4"	4"	4"	6"	6"	6"	8"	8"	8"	8"	10"
A NOTE 2 STEAM OUTLET SIZE	15 PSI	4	4	4	6"	6"	6"	8"	8"	8"	8"	10"	10"	10"	10"	12"	12"	12"	14"
B NOTE 2 SUPPLY SIZE	30 PSI	4	4	4	6"	6"	6"	8"	8"	8"	8"	10"	10"	10"	10"	10"	12"	12"	
C NOTE 2 RETURN SIZE	30 PSI	4	4	4	4"	4"	4"	6"	6"	6"	6"	6"	8"	8"	8"	8"	8"	10"	
D FEEDWATER CONNECTION SIZE		3/4"	3/4"	3/4"	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/2"	1 1/2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"
E BOTTOM BLOWDOWN CONNECTION SIZE		1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	(2) 1 1/4"	(2) 1 1/4"	(2) 1 1/4"	(2) 1 1/4"	(2) 2"	(2) 1 1/2"	(2) 2"	(2) 2"	(2) 2"	(2) 2"	(2) 2 1/2"	(2) 2 1/2"	(2) 2 1/2"
F STACK OUTLET SIZE O.D.		10"	10"	10"	10"	12"	12"	14"	14"	16"	16"	18"	20"	20"	24"	24"	28"	28"	30"
G FURNACE O.D.		14"	14"	16"	16"	18"	18"	22"	22"	24"	24"	26"	30"	30"	34"	34"	38"	38"	52"
H SHELL I.D.		40"	40"	44"	44"	48"	48"	54"	54"	60"	60"	66"	76"	76"	84"	90"	96"	96"	112"
I SUPPLY HEIGHT & STACK HEIGHT		4'-11"	4'-11"	5'-3"	5'-3"	5'-7"	5'-7"	6'-4"	6'-4"	6'-10"	6'-10"	7'-4"	8'-3"	8'-3"	8'-11"	9'-6"	9'-11"	9'-11"	11'-5 1/2"
J WIDTH WITHOUT TRIM		3'-9"	3'-9"	4'-1"	4'-1"	4'-5"	4'-5"	4'-11 1/2"	4'-11 1/2"	5'-5"	5'-5"	6'-0"	6'-11"	6'-11"	7'-6"	7'-11"	8'-5"	8'-5"	9'-9 1/4"
K WIDTH WITH TRIM		4'-4"	4'-4"	4'-7"	4'-7"	5'-0"	5'-0"	5'-6"	5'-6"	6'-0"	6'-0"	6'-6"	7'-6"	7'-6"	8'-0"	8'-6"	9'-0"	9'-0"	10'-4"
L SKID WIDTH		3'-0"	3'-0"	40"	40"	3'-8"	3'-8"	4'-0"	4'-0"	4'-0"	4'-0"	4'-6"	5'-6"	5'-6"	5'-8"	6'-6"	7'-0"	7'-0"	8'-6"
M CENTERLINE TO FLOOR		32 3/4"	32 3/4"	34 3/4"	34 3/4"	3'-0 1/2"	3'-0 1/2"	3'-6 1/2"	3'-6 1/2"	3'-9 1/2"	3'-9 1/2"	4'-0 1/2"	4'-6 1/2"	4'-6 1/2"	4'-10 1/2"	5'-1"	5'-4 1/2"	5'-4 1/2"	6'-2 1/2"
N SHELL TO FLOOR		12"	12"	12"	12"	12"	12"	15"	15"	15"	15"	15"	16"	16"	16"	16"	16"	16"	18"
O BASE TO REAR		13"	13"	12 1/2"	12 1/2"	21 1/2"	21 1/2"	23 1/2"	23 1/2"	23 1/2"	23 1/2"	29"	31 1/2"	29"	26 1/2"	30 1/2"	37 1/4"	3'-1 1/2"	30"
P SKID LENGTH		6'-6"	7'-6"	8'-6"	10'-0"	8'-6"	9'-6"	9'-3"	11'-6"	11'-0"	14'-0"	14'-6"	14'-6"	17'-0"	18'-6"	17'-0"	17'-6"	21'-0"	25'-0"
Q REAR FLUE BOX TO SHELL		6 1/2"	6 1/2"	6 1/2"	6 1/2"	9 1/2"	9 1/2"	11 1/2"	11 1/2"	11 1/2"	11 1/2"	14"	14"	14"	14 1/2"	15 1/2"	19"	19"	20"
R REAR TO BLOWDOWN CONNECTION		3'-6"	4'-6"	5'-6 1/4"	5'-6 1/4"	6'-9"	6'-9"	19 1/4"-6'-10"	19 1/4"-7'-10"	17 1/4"-7'-6"	17 1/4"-10'-0"	22"-10'-4"	23 1/4"-10'-5"	23 1/4"-12'-0"	22 1/4"-10'-0"	23 1/4"-12'-1"	30"-10'-10"	30 1/4"-14'-7"	6'-8"-12'-0"
S 1 1/4" SURFACE BLOW-OFF CONNECTION		30"	30"	31 1/4"	31 1/4"	3'-1 1/4"	3'-11"	3'-7 1/2"	4'-6"	4'-2"	5'-3"	5'-5 1/2"	5'-4"	5'-7"	5'-6"	6'-6"	6'-0"	7'-8"	7'-8 1/4"
T STEAM OUTLET (150 PSI & 15 PSI)		3'-3"	3'-6"	3'-4 1/4"	3'-7 1/4"	4'-1 1/4"	4'-11"	4'-7 1/4"	5'-8"	5'-2"	6'-6"	7'-1 1/4"	6'-10"	7'-4"	7'-0"	8'-0"	8'-0"	10'-2"	9'-8 1/4"
U SUPPLY LOCATION	30 PSI	20"	20 1/2"	33"	33"	3'-8"	3'-8"	33"	33"	39"	39"	4'-2"	4'-0"	4'-9"	5'-0"	5'-0"	5'-0"	6'-11 1/4"	
V RETURN LOCATION	30 PSI	4'-11"	6'-2 1/2"	6'-6"	7'-9"	7'-2"	8'-2"	7'-7"	9'-5"	9'-1"	11'-9"	11'-8"	11'-6"	13'-9"	12'-6"	13'-6"	13'-4"	16'-11 1/4"	
W BURNER PROJECTION		30 1/2"	30 1/2"	30 1/2"	30 1/2"	30 1/2"	30 1/2"	30 1/2"	34"	34"	34"	37 1/2"	37 1/2"	37 1/2"	37 1/2"	39 1/2"	39 1/2"	43"	65"
X TUBE REMOVAL FRONT		5'-0"	6'-6"	7'-0"	8'-0"	7'-0"	8'-0"	7'-6"	9'-4"	9'-0"	12'-0"	12'-6"	12'-3"	14'-3"	13'-6"	14'-0"	14'-6"	18'-0"	19'-6"
Y STACK OUTLET LOCATION		6'-6 1/2"	8'-0"	8'-3"	9'-6"	8'-8 1/2"	9'-8 1/2"	9'-3 1/2"	11'-2 1/2"	11'-1"	13'-11"	14'-8"	14'-8 1/2"	16'-8 1/2"	16'-0 1/4"	16'-10"	17'-6"	21'-1 1/2"	22'-7 1/4"
Z1 OVERALL LENGTH WITH BURNER		9'-6"	10'-11 1/4"	11'-2 1/2"	12'-5 1/4"	11'-5"	12'-5"	12'-5"	14'-7 1/2"	14'-7"	17'-5"	18'-6"	18'-8 1/4"	20'-8 1/4"	19'-2 1/2"	21'-2"	22'-0"	26'-0"	28'-5 1/2"
Z2 OVERALL LENGTH WITHOUT BURNER		8'-0"	9'-0"	9'-10 1/2"	11'-5"	10'-7"	11'-7"	11'-6"	13'-9"	13'-5"	16'-5"	17'-4"	17'-9"	20'-0"	19'-7"	20'-4"	21'-4 1/4"	24'-10"	29'-3 1/4"
APPROXIMATE SHIPPING WEIGHT - 150 PSI †	LBS.	3500	4100	4700	5700	6200	6900	8200	9700	11100	14100	16700	20200	23600	26100	31900	38100	46900	
APPROXIMATE SHIPPING WEIGHT - 15 & 30 PSI †	LBS.	-	-	-	5300	5900	6200	7200	8000	9500	11800	15000	18900	21200	23800	29300	34700	42900	
WATER CAPACITY @ NWL	GAL.	280	300	315	330	381	436	519	647	752	1000	1214	1664	1929	1897	2427	2875	3589	
WATER CAPACITY FLOODED	GAL.	300	320	350	378	437	499	591	736	875	1161	1474	1987	2302	2329	3004	3526	4394	
OPERATING WEIGHT @ NWL - 150 PSI †	LBS.	5824	6590	7315	8439	9363	10519	12508	15071	17342	22400	26777	34011	39611	41845	52044	61963	76689	

NOTE 1. 3" AND ABOVE ARE 300# ANSI FLANGE

NOTE 2. 4" AND ABOVE ARE 150# ANSI FLANGE

NOTE: DIMENSION Z1, Z2, & W ARE SUBJECT TO CHANGE WITHOUT NOTICE, CONSULT FACTORY FOR CERTIFIED DRAWINGS.

NOTE: 100 H.P. AND LARGER - 12"x16" MANWAY

† ALL WEIGHTS ARE APPROX.

## EMISSION CALCULATIONS

Silver Springs Citrus Cooperative

750 HP Boiler

Boiler Output - 750 Horse Power

Boiler Efficiency - 80%

Boiler Heat Input -  $750 \text{ HP} \times 3.352 \times 10^4 \text{ BTU/hr/HP} \times 1/0.8$   
 $= 31.4 \times 10^6 \text{ BTU/hr Max}$

Fuel Usage

Gas at  $1000 \text{ BTU/ft}^3 = 31.4 \times 10^6 / 1000 = 0.031 \times 10^6 \text{ ft}^3/\text{hr}$

Emission (Potential and Actual)

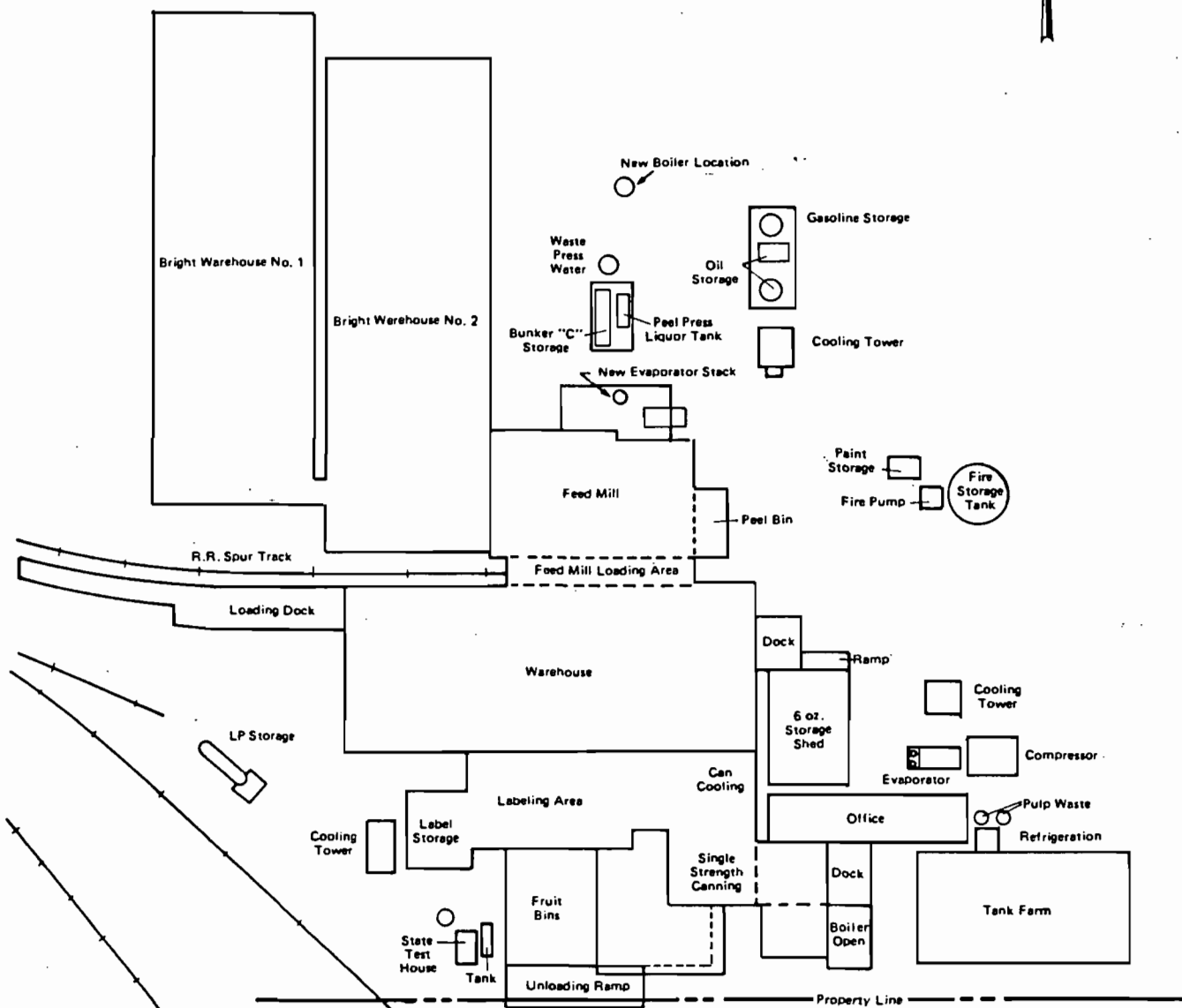
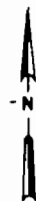
Sulfur Dioxide AP-42

$\text{SO}_2 = (0.6 \times 10^{-6} \text{ lbs/ft}^3) (0.031 \times 10^6 \text{ ft}^3/\text{hr}) = 0.019 \text{ lb/hr}$   
 $= 0.05 \text{ TPY}$

Particulate  $(10 \times 10^{-6} \text{ lb/ft}^3) (0.031 \times 10^6 \text{ ft}^3/\text{hr}) = 0.31 \text{ lbs/hr}$   
 $= 0.9 \text{ TPY}$

Nitrogen Oxides

$(215 \times 10^{-6} \text{ lb/ft}^3) (0.031 \times 10^6 \text{ ft}^3/\text{hr}) = 6.66 \text{ lbs/hr}$   
 $= 19.2 \text{ TPY}$

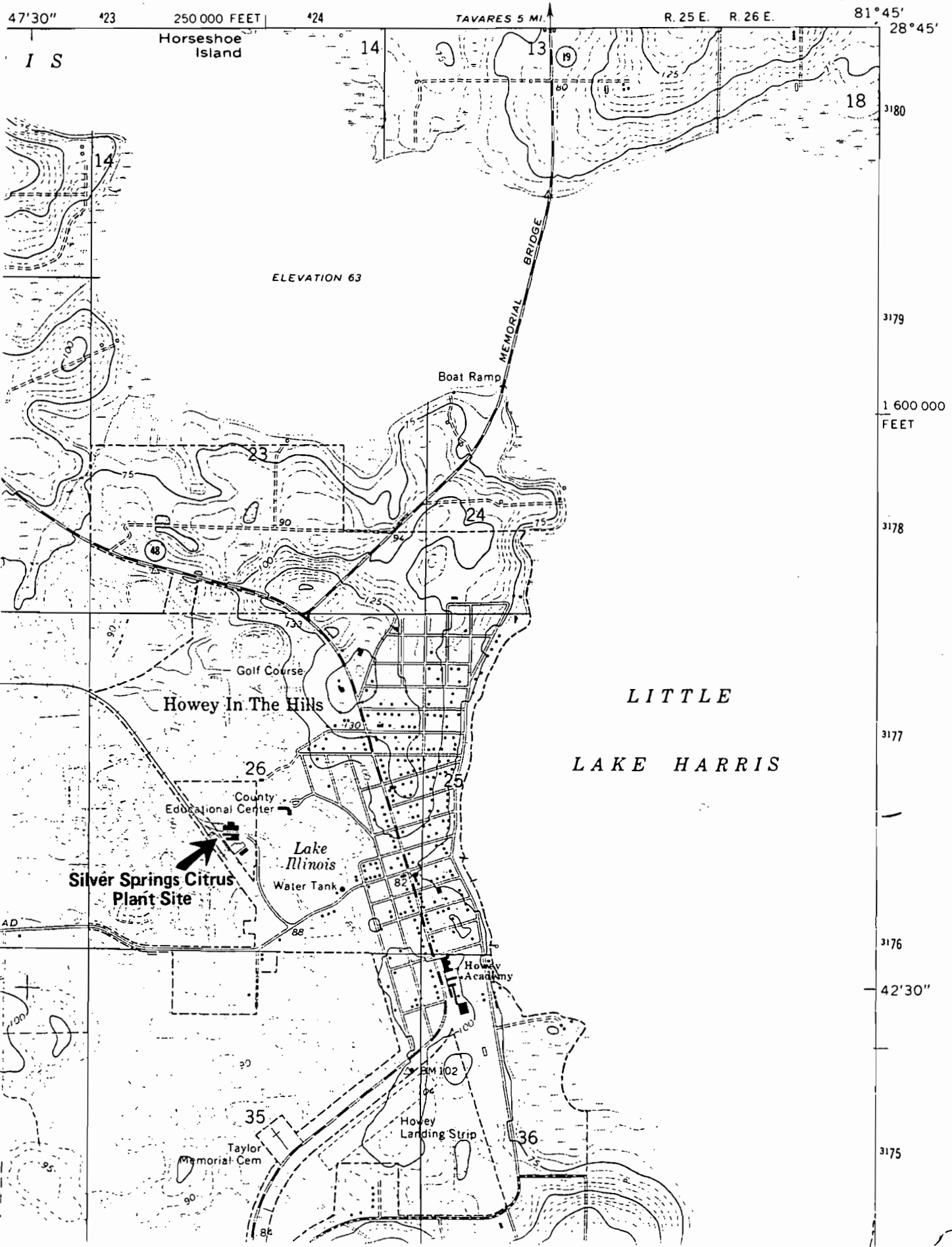


Plot Plan

Silver Springs Citrus Cooperative  
Howey-in-the-Hills, Florida

HOWEY IN THE HILLS QUADRANGLE  
FLORIDA-LAKE CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)

46411 SW  
(EUSTIS)



**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 below the article number.
- The Return Receipt Fee will provide you the signature of the person delivered to and the date of delivery.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

**3. Article Addressed to:**

Mr. Bill C. Youngblood  
Executive Vice President  
Silver Springs Citrus Coop.  
P O Box 1046  
Winter Garden, FL 32787

**4a. Article Number**

P 832 538 775

**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 |

**7. Date of Delivery**

2-26-92

**5. Signature (Addressee)**

*[Signature]*

**8. Addressee's Address (Only if requested and fee is paid)****6. Signature (Agent)**

PS Form 3811, November 1990 ☆ U.S. GPO: 1991-287-068

**DOMESTIC RETURN RECEIPT**

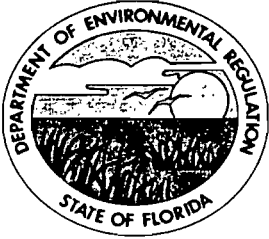
P 832 538 775

**Certified Mail Receipt**

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

Sent to	
Mr. Bill C. Youngblood	
Street & No. Silber Springs Citrus	
P O Box 1046	
P.O., State & ZIP Code	
Winter Garden, FL 32787	
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	
Mailed: 2-19-92	
Permit: AC 35-182724	

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

February 14, 1992

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Bill C. Youngblood  
Executive Vice President  
Silver Springs Citrus Cooperative  
P. O. Box 1046  
Winter Garden, Florida 32787

Dear Mr. Youngblood:

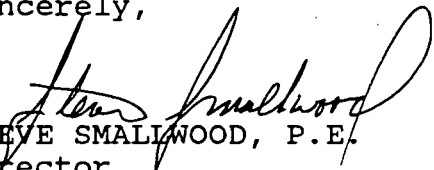
Re: Construction Permit AC 35-182724  
Boiler Conversion to No. 6 Fuel Oil

This is in response to your recent request for an extension of the expiration date of the above permit. The expiration date is changed as shown below:

From: December 31, 1991  
To: April 2, 1992

A copy of this letter shall be filed with the referenced permit and shall become a part of that permit.

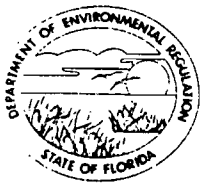
Sincerely,

  
STEVE SMALLWOOD, P.E.  
Director  
Division of Air Resources  
Management

SS/JR/plm

Attachment: F. Darabi December 11, 1991 letter

c: C. Collins, CD  
F. Darabi, P.E.



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: Steve Smallwood  
FROM: Clair Fancy *CAF*  
DATE: February 14, 1992  
SUBJ: Amendment to Construction Permit No. AC 35-182724  
Silver Springs Citrus Cooperative

Attached for your approval and signature is a letter extending the expiration date for the above referenced construction permit.

The Bureau recommends approval of this amendment.

CF/JR/plm

Attachment

*Please call  
Patricia Adams  
when signed  
8-1344*

**DARABI  
AND  
ASSOCIATES, INC.**

Environmental Consultants

RECEIVED  
DER - MAIL ROOM  
1992 FEB 11 AM 10:58

Suite A • 730 North Waldo Road, Gainesville, Florida 32601 • Phone: 904/376-6533

February 6, 1992

Mr. Clair Fancy  
Department of Environmental Regulation  
2500 Blair Stone Road  
Tallahassee, FL 32399

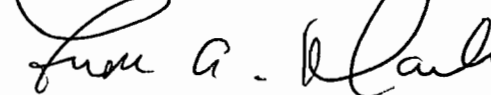
Re: Permit Extension  
Silver Springs Citrus  
Permit No. AC 35-182724

Dear Mr. Fancy:

We are hereby submitting a check for \$50.00 as fee for the extension of the referenced permit. An operation permit application has already been submitted to the Orlando District Office.

Sincerely,

DARABI AND ASSOCIATES, INC.



Frank A. Darabi, P.E.  
President

FAD:lef[1815]

Enclosure

xc: Jim Tyler

601031

Federal Express Use	
Base Charges	
Declared Value Charge	
Other 1	
Other 2	
Total Charges	
REVISION DATE 6/91 PART #137204 FXEM FORMAT #099 <div style="border: 2px solid black; padding: 5px; display: inline-block; font-size: 2em; font-weight: bold;">099</div> © 1990-91 FEDEX PRINTED IN U.S.A.	

**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):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

## 3. Article Addressed to:

Mr. Frank A. Darabi, P.E.  
Jones, Edmunds & Associates, Inc.  
730 North Waldo Road  
Gainesville, FL 32601

## 4a. Article Number

P 832 538 769

## 4b. Service Type

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

## 7. Date of Delivery

1-29-92 RA

## 5. Signature (Addressee)

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

## 6. Signature (Agent)

*[Handwritten Signature]*

PS Form 3811, October 1990

☆ U.S. GPO: 1990-273-861

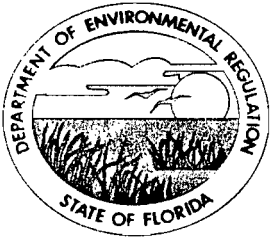
**DOMESTIC RETURN RECEIPT**

P 832 538 769

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

Sent to	
Mr. Frank A. Darabi, P.E.	
Street & No.	
730 North Waldo Road	
P.O., State & ZIP Code	
Gainesville, FL 32601	
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	
Mailed: 1-27-92	
Permit: AC 35-182724	

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

January 24, 1992

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. Frank A. Darabi, P.E.  
Jones, Edmunds & Associates, Inc.  
730 North Waldo Road  
Gainesville, Florida 32601

Dear Mr. Darabi:

RE: Silver Springs Citrus Cooperative  
Permit No. AC 35-182724

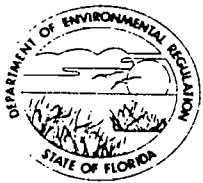
The Bureau of Air Regulation received your request to extend the above referenced air construction permit. On October 30, 1991, Rule 17-4.050(4)(o), F.A.C., (copy enclosed) was changed to require a \$50 fee to process extension requests; therefore, we will not be able to take action on your request until the fee is received. If you have any questions, please call Patty Adams at (904)488-1344.

Sincerely,

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

CHF/pa

Enclosure



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: Steve Smallwood  
FROM: Clair Fancy *I signed*  
DATE: January 8, 1992  
SUBJ: Amendment to Construction Permit No. AC 35-182724  
Silver Springs Citrus Cooperative

Attached for your approval and signature is a letter extending the expiration date for the above referenced construction permit.

The Bureau recommends approval of this amendment.

CF/JR/plm

Attachment

*Clair 1-13*  
*If the rule requires*  
*a fee, shouldn't*  
*we collect the fee*  
*first? Patty*

*Patty -*  
*call them tell them about*  
*fee - the tell them letter*  
*ready to go as soon as*  
*they send the fee -*  
*Clair*

*OK*  
*APR 11/8/91*

*Jones  
Edmunds &  
Associates, Inc.*  
CONSULTING ENGINEERS AND SCIENTISTS  
**JEA**

RECEIVED  
DEC 12 1991  
Division of Air  
Resources Management

December 11, 1991

Mr. C.H. Fancy, P.E., Chief  
Bureau of Air Regulation  
Department of Environmental Regulation  
2600 Blair Stone Road  
Tallahassee, FL 32399

Re: Silver Springs Citrus Cooperative  
Permit No. AC35-182724  
Project No. 19500-254-01-00

Dear Mr. Fancy:

This is to request a 90 day extension of the referenced permit to April 2, 1992 to allow for the use of #6 fuel oil and testing of this unit.


This unit has been operating with natural gas due to its availability and it has not been necessary to be used with No. 6 fuel oil to date.

Silver Springs Citrus intends to place the unit into service utilizing No. 6 fuel oil for test purposes and submittal of the operation permit application. The extension of time is required to accomplish the testing and certification.

Your favorable consideration of this extension is appreciated.

Sincerely,

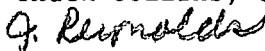
JONES, EDMUNDS & ASSOCIATES, INC.





Frank A. Darabi, P.E.  
Consultant

FAD:lef[1673]

xc: Jim Tyler  
Chuck Collins, Orlando District



Best Available Copy

				<b>AIRBILL</b> PACKAGE TRACKING NUMBER		<b>0404745633</b>	
QUESTIONS? CALL 800-238-5355 TOLL FREE.							
<b>0404745633</b>		Date <b>12/11/91</b>		<b>RECIPIENT'S COPY</b>			
From (Your Name) Please Print <b>Frank A. Darabi</b>		Your Phone Number (Very Important) <b>904-577-5021</b>		To (Recipient's Name) Please Print <b>Mr. C. H. Fancy, P.E.</b>		Recipient's Phone Number (Very Important)	
Company <b>EDMUNDS &amp; ASSOC</b>		Department/Floor No.		Company <b>Dept. of Environmental Regulation</b>		Department/Floor No.	
Street Address <b>30 N WALDE RD STE A</b>		City <b>AINESVILLE</b>		State <b>FL</b>		ZIP Required <b>32301</b>	
City <b>AINESVILLE</b>		State <b>FL</b>		City <b>Tallahassee, FL</b>		State <b>FL</b>	
ZIP Required <b>32301</b>		ZIP Required <b>32304</b>		IF HOLD FOR PICK-UP, Print FEDEX Address Here			
YOUR INTERNAL BILLING REFERENCE INFORMATION (First 24 characters will appear on invoice.) <b>19500-254-01-00</b>							
PAYMENT 1 <input checked="" type="checkbox"/> Bill Sender 2 <input type="checkbox"/> Bill Recipient's FedEx Acct. No. 3 <input type="checkbox"/> Bill 3rd Party FedEx Acct. No. 4 <input type="checkbox"/> Bill Credit Card				City State ZIP Required			
5 <input type="checkbox"/> Cash/Check				Street Address			
<b>SERVICES</b> (Check only one box)		<b>DELIVERY AND SPECIAL HANDLING</b> (Check services required)		<b>PACKAGES</b> WEIGHT in Pounds OZ		YOUR DECLARED VALUE	
Priority Overnight Service (Delivery by next business morning) 11 <input type="checkbox"/> YOUR PACKAGING 51 <input type="checkbox"/> 16 <input checked="" type="checkbox"/> FEDEX LETTER * 56 <input type="checkbox"/> FEDEX LETTER * 12 <input type="checkbox"/> FEDEX PAK * 52 <input type="checkbox"/> FEDEX PAK * 13 <input type="checkbox"/> FEDEX BOX 53 <input type="checkbox"/> FEDEX BOX 14 <input type="checkbox"/> FEDEX TUBE 54 <input type="checkbox"/> FEDEX TUBE		1 <input type="checkbox"/> HOLD FOR PICK-UP (Flat Box H) 2 <input checked="" type="checkbox"/> DELIVER WEEKDAY 3 <input type="checkbox"/> DELIVER SATURDAY (Extra charge) (Not available to all locations) 4 <input type="checkbox"/> DANGEROUS GOODS (Extra charge) 5 <input type="checkbox"/> 6 <input type="checkbox"/> DRY ICE Lbs. 7 <input type="checkbox"/> OTHER SPECIAL SERVICE 8 <input type="checkbox"/> 9 <input type="checkbox"/> SATURDAY PICK-UP (Extra charge) 10 <input type="checkbox"/> 11 <input type="checkbox"/> 12 <input type="checkbox"/> HOLIDAY DELIVERY (If offered) (Extra charge)		Total Total Total DIM SHIPMENT (Chargeable Weight) <input type="checkbox"/> lbs. Received At 1 <input type="checkbox"/> Regular Stop 3 <input type="checkbox"/> Drop Box 2 <input type="checkbox"/> On-Call Stop 4 <input type="checkbox"/> B.S.C. 5 <input type="checkbox"/> Station		Emp. No. Date <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: X Date/Time Received FedEx Employee Number	
Economy Two-Day Service (formerly Standard Air) (Delivery by second business day) 30 <input type="checkbox"/> ECONOMY TWO-DAY SVC.		Heavyweight Service (for Extra Large or any package over 150 lbs.) 70 <input type="checkbox"/> HEAVYWEIGHT ** 80 <input type="checkbox"/> DEFERRED HEAVYWEIGHT **		FedEx Emp. No.		Release Signature: <i>[Signature]</i> Date/Time	
*Declared Value Limit \$100. **Call for delivery schedule.		REVISION DATE 8/90 PART #119501 FXEM 1/91 FORMAT #041		<b>041</b>		1980 F.E.C. PRINTED IN U.S.A.	

● **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. Bill C. Youngblood Silver Springs Citrus Coop. P.O. Box 1046 Winter Garden, FL 32787	4. Article Number P 407 852 941 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 12-31-90	

PS Form 3811, Apr. 1989

★ U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

P 407 852 941

**RECEIPT FOR CERTIFIED MAIL**

NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL

(See Reverse)

U.S.G.P.O. 1989-234-555

PS Form 3800, June 1985

Sent to	Bill Youngblood
Street and No.	Box U. Pres
P.O., State and ZIP Code	Silver Springs C.C.
Postage	Winter Garden FL
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	12-31-90 AC 35-182724



# 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

## STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION NOTICE OF PERMIT

Mr. Bill C. Youngblood  
Executive Vice President  
Silver Springs Citrus Cooperative  
P. O. Box 1046  
Winter Garden, Florida 32787

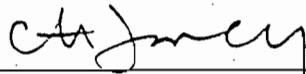
December 26, 1990

Enclosed is construction permit No. AC 35-182724 to convert a process steam boiler from natural gas to No. 6 fuel oil at Silver Springs Citrus Cooperative in Howey-in-the-Hills, Lake County, Florida. 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.  
Chief  
Bureau of Air Regulation

Copy furnished to:

C. Collins, C Dist.  
F. Darabi, P.E.

CERTIFICATE OF SERVICE

The undersigned duly designated deputy clerk hereby certifies that this NOTICE OF PERMIT and all copies were mailed before the close of buisness on 12-24-90.

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 Deben  
Clerk

12-26-90  
Date

Final Determination

Silver Springs Citrus Cooperative  
Lake County  
Howey-in-the-Hills, Florida

Permit Number: AC 35-182724

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

December 17, 1990

## Final Determination

The Technical Evaluation and Preliminary Determination for the permit to convert a process steam boiler from natural gas to No. 6 fuel oil at Silver Springs Citrus Cooperative in Howey-in-the-Hills, Lake County, Florida, was distributed on October 26, 1990. The Notice of Intent to Issue was published in The Orlando Sentinel on November 6, 1990. Copies of the evaluation were available for public inspection at the Department's Central District and Bureau of Air Regulation offices.

No comments were submitted on the Department's Intent to Issue the permit. The final action of the Department will be to issue construction permit No. AC 35-182724 as proposed in the Technical Evaluation and Preliminary Determination.



## *Florida Department of Environmental Regulation*

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

Bob Martinez, Governor

Dale Twachmann, Secretary

John Shearer, Assistant Secretary

PERMITTEE:  
Silver Spring Citrus Cooperative  
P. O. Box 1046  
Winter Garden, Florida 32787

Permit Number: AC 35-182724  
Expiration Date: Dec. 31, 1991  
County: Lake  
Latitude/Longitude: 28°42'52"N  
81°46'37"W  
Project: Boiler Conversion to  
No. 6 Fuel Oil

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 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:

Conversion of boiler fuel from natural gas to No. 6 fuel oil.

The source shall be constructed in accordance with the permit application, plans, documents, amendments and drawings, except as otherwise noted in the General and Specific Conditions.

Attachments are listed below:

1. Application to construct Air Pollution Sources, DER Form 17-1.202(1), received on September 6, 1990.

PERMITTEE:  
Silver Spring Citrus  
Cooperative

Permit Number: AC 35-182724  
Expiration Date: December 31, 1991

**GENERAL CONDITIONS:**

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. 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), Florida Statutes, 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 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, 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.

PERMITTEE:  
Silver Spring Citrus  
Cooperative

Permit Number: AC 35-182724  
Expiration Date: December 31, 1991

**GENERAL CONDITIONS:**

6. The permittee shall 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 and at a reasonable time, 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 the 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.

PERMITTEE:  
Silver Spring Citrus  
Cooperative

Permit Number: AC 35-182724  
Expiration Date: December 31, 1991

**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 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 proscribed by Sections 403.73 and 403.111, Florida Statutes. 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 Florida Administrative Code Rules 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.

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

13. This permit also constitutes a Determination of Best Available Control Technology

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.

PERMITTEE:  
Silver Spring Citrus  
Cooperative

Permit Number: AC 35-182724  
Expiration Date: December 31, 1991

**GENERAL CONDITIONS:**

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:

- the date, exact place, and time of sampling or measurements;
- the person responsible for performing the sampling or measurements;
- the dates 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 corrected promptly.

**SPECIFIC CONDITIONS:**

1. The operation of the boiler during the period of this permit shall be in accordance with the capacities and specifications stated in the application.

2. Visible emissions shall not be greater than 20% opacity and compliance shall be demonstrated at 90-100% of permitted capacity using DER Method 9 in accordance with F.A.C Rule 17-2.700.

3. The auxiliary boiler shall be allowed to operate at 32 MMBtu/hr for up to 5,760 hours per year on new No. 6 fuel oil. Natural gas shall be used as an alternate fuel.

PERMITTEE:  
Silver Spring Citrus  
Cooperative

Permit Number: AC 35-182724  
Expiration Date: December 31, 1991

**SPECIFIC CONDITIONS:**

4. Sulfur content of the No. 6 fuel oil shall not exceed 1.5 percent by weight as stated in the BACT determination. The sulfur analysis of the oil used shall be recorded for each day of operation and these records shall be kept for a minimum of two years for regulatory agency inspection. The appropriate ASTM method shall be used to determine the fuel oil sulfur content.

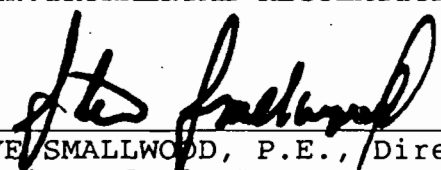
5. The compliance test shall be conducted and the results reported to the Department before this construction permit expires. The Department's Central District office shall be notified at least 15 days in advance of the test.

6. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Bureau of Air Regulation prior to 60 days before the expiration of the permit (F.A.C. Rule 17-4.090).

7. An application for an operation permit must be submitted to the Central District office at least 90 days prior to the expiration date of this construction permit or within 45 days after completion of compliance testing, whichever occurs first. To properly apply for an operation permit, the applicant shall submit the appropriate application form, fee, certification that construction was completed noting any deviations from the conditions in the construction permit, and compliance test reports as required by this permit (F.A.C. Rule 17-4.220).

Issued this 20<sup>th</sup> day  
of December, 1990

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

  
STEVE SMALLWOOD, P.E., Director  
Division of Air Resources  
Management

Best Available Control Technology (BACT) Determination  
Silver Springs Citrus Cooperative  
Lake County

The applicant plans to switch fuels for a 30,000 lbs/hr boiler at their facility in Howey-in-the-Hills, Florida. Instead of natural gas as its primary fuel, the boiler will fire No. 6 fuel oil.

BACT Determination Requested by the Applicant:

The applicant did not request a BACT determination and proposes to use oil containing 2.5 percent sulfur. This BACT determination is required for both new and existing boilers as set forth in the Florida Administrative Code Rule 17-2.600(6) - Emission Limiting and Performance Standards.

BACT Determined by DER:

The amount of particulate and sulfur dioxide emissions from the boiler will be limited by the firing of new No. 6 fuel oil having a sulfur content not to exceed 1.5% by weight. The term "new" means an oil which has been refined from crude oil and has not been used.

BACT Determination Rationale:

Sulfur in fuel oil is a primary air pollution concern in that most of the fuel sulfur becomes SO<sub>2</sub>. The emission factors for SO<sub>2</sub> and particulate emissions from oil burning are related to the sulfur content. The emission factors used by the applicant and the Department are from AP-42, Table 1.3-1.

The amount of particulate emissions when firing fuel oil containing 2.5 percent sulfur will have a minimal impact on air quality. However, sulfur dioxide emissions may result in a substantial impact on air quality.

A review of previous BACT determinations for boilers of similar size which fire No. 6 fuel oil indicates that the sulfur content generally is limited to 1.5%.

It is estimated that the additional cost of using fuel oil with 1.5% vs. 2.5% sulfur content would amount to approximately 5 cents per gallon.

BACT  
Silver Springs Citrus Coop.  
Page Two

Assuming the maximum firing rate of 207 gallons per hour, the additional hourly cost of using the 1.5% sulfur content oil instead of the proposed 2.5% sulfur content No. 6 fuel oil would be \$10.35. The sulfur dioxide reductions from switching to the 1.5% sulfur fuel oil are estimated to be 33 pounds per hour. Based on this reduction, the hourly cost per pound of sulfur dioxide removed is approximately 31 cents which is less than the EPA guideline of up to \$1.00 per pound (\$2,000 per ton) for sulfur dioxide removal.

Using the stack parameters given by the applicant, the sulfur dioxide concentrations obtained by using the Screen Model, assuming maximum design firing rate and based on 24 hours per day operation, are as follows:

- 1 - hour maximum - 204 ug/m<sup>3</sup>
- 3 - hour maximum - 145 ug/m<sup>3</sup>
- 24 - hour maximum - 81 ug/m<sup>3</sup>

This shows that the 24 hour maximum AAQS of 260 ug/m<sup>3</sup> will not be exceeded while firing 1.5 percent sulfur fuel, even if a background concentration is taken into consideration.

Based on this analysis, the Department has determined that BACT is represented by the firing of new No. 6 fuel oil with a sulfur content not to exceed 1.5% by weight. The term "new oil" disallows the use of re-refined and waste oils or any non-fossil fuels that were not considered in this BACT analysis. Natural gas shall be used as an alternate fuel. Visible emissions shall not exceed 20% opacity and compliance shall be determined using DER Method 9.

Details of the Analysis May be Obtained by Contacting:

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


Recommended by:

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

Date

12/17/90

Approved by:

  
STEVE SMALLWOOD, Director  
Division of Air Resources Mgmt.

Date

12-20-90



81  
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: Steve Smallwood  
FROM: Clair Fancy *CF*  
DATE: December 17, 1990  
SUBJ: Approval of Construction Permit AC 35-182724  
Silver Springs Citrus Cooperative

Attached for your approval and signature is a permit prepared by the Bureau of Air Regulation for the above mentioned company to convert a process steam boiler from natural gas to No. 6 fuel oil at Silver Springs Citrus Cooperative in Howey-in-the-Hills, Lake County, Florida.

No comments were received during the public notice period.

Day 90, after which this permit will be issued by default, is December 21, 1990.

I recommend your approval and signature.

CF/JR/plm

Attachments

*OK / h*

*Pat - 12-24  
see if you  
have a notice  
of permit letter  
for this - shank  
pattis*

# The Orlando Sentinel

Published Daily

Tavares, Lake County, Florida

State of Florida } SS.  
COUNTY OF ORANGE

Before the undersigned authority personally appeared \_\_\_\_\_

Noemi R. Lucero

who on oath says that

she is the Legal Advertising Representative of The Orlando Sentinel, a Daily newspaper published at Tavares, in Lake County, Florida; that the attached copy of advertisement, being a notice of intent to issue permit in the matter of process steam boiler

in the \_\_\_\_\_ Court,

was published in said newspaper in the issues of \_\_\_\_\_

November 6, 1990

Affiant further says that the said Orlando Sentinel is a newspaper published at Tavares, in said Lake County, Florida, and that the said newspaper has heretofore been continuously published in said Lake County, Florida, each Week Day and has been entered as second-class mail matter at the post office in Tavares in said Lake County, Florida, for a period of one year next preceding the first publication of the attached copy of advertisement; and affiant further says that he/she 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.

Noemi R. Lucero

Sworn to and subscribed before me this 12th

day of November

A.D. 19 90

Notary Public  
State of Florida at Large  
My Commission Expires:  
June 18, 1994

Notary Public

ADVERTISING CHARGE \$18.50

## 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 a permit to Silver Springs Citrus Cooperative, Mare Avenue, Howey-in-the-Hills, Florida 32787, to convert a process steam boiler from natural gas to fuel oil. This boiler is used on a seasonal basis for citrus processing. A determination of Best Available Control Technology (BACT) was required. The Department is issuing this intent to issue for the reasons stated in the Technical Evaluation and Preliminary Determination.

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 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 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 application is 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  
Central District  
3319 Maguire Blvd., Suite 232  
Orlando, Florida 32803-2767

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.

LK-701

Nov. 6, 1990

FORM NO. AD-261



P.O. Box 155  
Howey-in-the-Hills, Florida 34737-0155

DEPT. OF ENVIRONMENTAL REGULATION  
ATTN: MR. BARRY ANDREWS  
BUREAU OF AIR REGULATION  
2600 BLAIR STONE ROAD  
TALLAHASSEE, FLORIDA 32399-2400



RECEIVED  
NOV 19 1990  
DER-BA



**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: Bill C. Youngblood Executive Vice Pres. Silver Springs Citrus Coop. P.O. Box 1046 Winter Garden, FL 32787	4. Article Number P 280 742 400
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 <b>DATE DELIVERED.</b>	
5. Signature — Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature — Agent X <i>John Perez</i>	
7. Date of Delivery <i>10-30-90</i>	

PS Form 3811, Apr. 1989

★ U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

P 280 742 400  
**RECEIPT FOR CERTIFIED MAIL**  
 NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

PS Form 3800, June 1985

Sent to	<i>Bill Youngblood</i>
Street and No.	<i>Silver Sp. Citrus Coop</i>
P.O., State and ZIP Code	<i>P.O. Box 1046</i>
Postage	<i>Winter Garden, FL</i>
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	<i>10-26-90</i> <i>AC 35-B2724</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

October 26, 1990

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

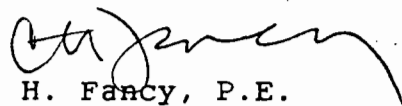
Mr. Bill C. Youngblood  
Executive Vice President  
Silver Springs Citrus Cooperative  
P. O. Box 1046  
Winter Garden, Florida 32787

Dear Mr. Youngblood:

Attached is one copy of the Technical Evaluation and Preliminary Determination and proposed permit for converting a boiler at your existing Lake County facility from natural gas to fuel oil.

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/JR/plm

Attachments

c: C. Collins, C Dist.  
F. Darabi, P.E.



BEFORE THE STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of  
Application for Permit by:

Silver Springs Citrus Cooperative  
P. O. Box 1046  
Winter Garden, Florida 32787

DER File No. AC 35-182724

---

INTENT TO ISSUE

The Department of Environmental Regulation hereby gives notice of its intent to issue an air construction 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, Silver Springs Citrus Cooperative, applied on September 6, 1990, to the Department of Environmental Regulation for a permit to convert a process steam boiler from gas to fuel oil at their existing facility in Howey-in-the-Hills, Lake County, Florida.

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 an air construction permit is 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 Permit. 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 permit.

The Department will issue the permit 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

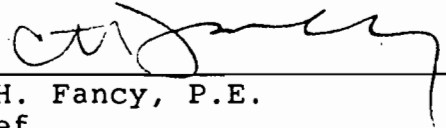
(g) A statement of the relief sought by petitioner, stating precisely the action petitioner wants the Department to take with respect to the Department's action or proposed action.

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 application(s) 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:

C. Collins, C Dist.  
F. Darabi, P.E.

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 10-26-90.

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.

Kymi Isken  
Clerk

10-26-90  
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 a permit to Silver Springs Citrus Cooperative, Mare Avenue, Howey-in-the-Hills, Florida 32787, to convert a process steam boiler from natural gas to fuel oil. This boiler is used on a seasonal basis for citrus processing. A determination of Best Available Control Technology (BACT) was required. The Department is issuing this Intent to Issue for the reasons stated in the Technical Evaluation and Preliminary Determination.

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 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 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 application is 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  
Central District  
3319 Maguire Blvd., Suite 232  
Orlando, Florida 32803-3767

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.

Technical Evaluation  
and  
Preliminary Determination

Silver Springs Citrus Cooperative  
Lake County  
Howey-in-the-Hills, Florida

Permit Number: AC 35-182724

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

October 26, 1990

## I. Project Description

### A. Applicant

Silver Springs Citrus Cooperative  
P. O. Box 1046  
Winter Garden, Florida 32787

### B. Project and Location

The applicant proposes to convert a process steam boiler from natural gas to No. 6 fuel oil. This boiler is used for citrus processing and is operated 5,760 hours per year.

The existing facility is located at Mare Avenue in the city of Howey-in-the-Hills, Lake County, Florida. The UTM coordinates are 424.1 km E and 3176.4 km N.

## II. Rule Applicability

The proposed fuel conversion is subject to preconstruction review under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code (F.A.C.) Chapters 17-2 and 17-4. The conversion shall constitute a modification of an existing minor source; however, upon completion of the conversion the source shall be considered as major for purposes of future modifications.

The applicant's facility is located in Lake County, which is an area designated as attainment for regulated pollutants (F.A.C. Rule 17-2.420).

This source shall be permitted under F.A.C. Rule 17-2.520, Sources Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements, and shall comply with F.A.C. Rule 17-2.600(6), Fossil Fuel Steam Generators with Less than 250 million BTU per hour Heat Input, New and Existing Sources.

## III. Emissions

The major air pollutants emitted from the converted boiler will be PM, SO<sub>2</sub>, and NO<sub>x</sub>. The maximum sulfur content of the No. 6 fuel oil will be 1.5 percent.

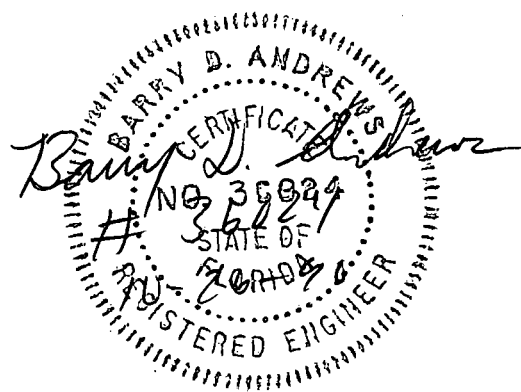
The following table shows the increases in emissions as a result of the fuel conversion. The 140 TPY increase in SO<sub>2</sub> emissions does not trigger new source review under F.A.C. Rule 17-2.500(2) since the modification would not, in and of itself, constitute a new major facility subject to requirements of F.A.C. Rule 17-2.500(2)(d)2. However, under F.A.C. Rule 17-2.100(113), the source becomes major with respect to SO<sub>2</sub> emissions upon completion of this project, and any future modifications resulting in emissions exceeding significant levels will trigger

review under the Prevention of Significant Deterioration regulations (F.A.C. Rule 17-2.500).

<u>Pollutant</u>	<u>Gas lbs/hr</u>	<u>Oil lbs/hr</u>	<u>Increase T/yr</u>
PM	0.31	5.80	15.81
SO <sub>2</sub>	0.02	48.75	140.34
NO <sub>x</sub>	6.66	11.40	13.65

#### IV. Conclusion

Based on the information provided by Silver Springs Citrus Cooperative, the Department has reasonable assurance that the proposed modification of the boiler, 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

**PERMITTEE:**

Silver Spring Citrus Cooperative  
P. O. Box 1046  
Winter Garden, Florida 32787

Permit Number: AC 35-182724

Expiration Date: Dec. 31, 1991

County: Lake

Latitude/Longitude: 28°42'52"N  
81°46'37"W

Project: Boiler Conversion to  
No. 6 Fuel Oil

This permit is issued under the provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Chapters 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:

Conversion of boiler fuel from natural gas to No. 6 fuel oil.

The source shall be constructed in accordance with the permit application, plans, documents, amendments and drawings, except as otherwise noted in the General and Specific Conditions.

Attachments are listed below:

1. Application to construct Air Pollution Sources, DER Form 17-1.202(1), received on September 6, 1990.

PERMITTEE:  
Silver Spring Citrus  
Cooperative

Permit Number: AC 35-182724  
Expiration Date: December 31, 1991

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. 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), Florida Statutes, 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 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, 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.

PERMITTEE:  
Silver Spring Citrus  
Cooperative

Permit Number: AC 35-182724  
Expiration Date: December 31, 1991

GENERAL CONDITIONS:

6. The permittee shall 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 and at a reasonable time, 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 the 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.

PERMITTEE:  
Silver Spring Citrus  
Cooperative

Permit Number: AC 35-182724  
Expiration Date: December 31, 1991

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 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 proscribed by Sections 403.73 and 403.111, Florida Statutes. 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 Florida Administrative Code Rules 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.

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

13. This permit also constitutes a Determination of Best Available Control Technology

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.

PERMITTEE:  
Silver Spring Citrus  
Cooperative

Permit Number: AC 35-182724  
Expiration Date: December 31, 1991

**GENERAL CONDITIONS:**

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:

- the date, exact place, and time of sampling or measurements;
- the person responsible for performing the sampling or measurements;
- the dates 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 corrected promptly.

**SPECIFIC CONDITIONS:**

1. The operation of the boiler during the period of this permit shall be in accordance with the capacities and specifications stated in the application.

2. Visible emissions shall not be greater than 20% opacity and compliance shall be demonstrated at 90-100% of permitted capacity using DER Method 9 in accordance with F.A.C Rule 17-2.700.

3. The auxiliary boiler shall be allowed to operate at 32 MMBtu/hr for up to 5,760 hours per year on new No. 6 fuel oil. Natural gas shall be used as an alternate fuel.

PERMITTEE:  
Silver Spring Citrus  
Cooperative

Permit Number: AC 35-182724  
Expiration Date: December 31, 1991

**SPECIFIC CONDITIONS:**

4. Sulfur content of the No. 6 fuel oil shall not exceed 1.5 percent by weight as stated in the BACT determination. The sulfur analysis of the oil used shall be recorded for each day of operation and these records shall be kept for a minimum of two years for regulatory agency inspection. The appropriate ASTM method shall be used to determine the fuel oil sulfur content.
5. The compliance test shall be conducted and the results reported to the Department before this construction permit expires. The Department's Central District office shall be notified at least 15 days in advance of the test.
6. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Bureau of Air Regulation prior to 60 days before the expiration of the permit (F.A.C. Rule 17-4.090).
7. An application for an operation permit must be submitted to the Central District office at least 90 days prior to the expiration date of this construction permit or within 45 days after completion of compliance testing, whichever occurs first. To properly apply for an operation permit, the applicant shall submit the appropriate application form, fee, certification that construction was completed noting any deviations from the conditions in the construction permit, and compliance test reports as required by this permit (F.A.C. Rule 17-4.220).

Issued this \_\_\_\_\_ day  
of \_\_\_\_\_, 1990.

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

---

STEVE SMALLWOOD, P.E., Director  
Division of Air Resources  
Management

Best Available Control Technology (BACT) Determination  
Silver Springs Citrus Cooperative  
Lake County

The applicant plans to switch fuels for a 30,000 lbs/hr boiler at their facility in Howey-in-the-Hills, Florida. Instead of natural gas as its primary fuel, the boiler will fire No. 6 fuel oil.

BACT Determination Requested by the Applicant:

The applicant did not request a BACT determination and proposes to use oil containing 2.5 percent sulfur. This BACT determination is required for both new and existing boilers as set forth in the Florida Administrative Code Rule 17-2.600(6) - Emission Limiting and Performance Standards.

BACT Determined by DER:

The amount of particulate and sulfur dioxide emissions from the boiler will be limited by the firing of new No. 6 fuel oil having a sulfur content not to exceed 1.5% by weight. The term "new" means an oil which has been refined from crude oil and has not been used.

BACT Determination Rationale:

Sulfur in fuel oil is a primary air pollution concern in that most of the fuel sulfur becomes SO<sub>2</sub>. The emission factors for SO<sub>2</sub> and particulate emissions from oil burning are related to the sulfur content. The emission factors used by the applicant and the Department are from AP-42, Table 1.3-1.

The amount of particulate emissions when firing fuel oil containing 2.5 percent sulfur will have a minimal impact on air quality. However, sulfur dioxide emissions may result in a substantial impact on air quality.

A review of previous BACT determinations for boilers of similar size which fire No. 6 fuel oil indicates that the sulfur content generally is limited to 1.5%.

It is estimated that the additional cost of using fuel oil with 1.5% vs. 2.5% sulfur content would amount to approximately 5 cents per gallon.

BACT  
Silver Springs Citrus Coop.  
Page Two

Assuming the maximum firing rate of 207 gallons per hour, the additional hourly cost of using the 1.5% sulfur content oil instead of the proposed 2.5% sulfur content No. 6 fuel oil would be \$10.35. The sulfur dioxide reductions from switching to the 1.5% sulfur fuel oil are estimated to be 33 pounds per hour. Based on this reduction, the hourly cost per pound of sulfur dioxide removed is approximately 31 cents which is less than the EPA guideline of up to \$1.00 per pound (\$2,000 per ton) for sulfur dioxide removal.

Using the stack parameters given by the applicant, the sulfur dioxide concentrations obtained by using the Screen Model, assuming maximum design firing rate and based on 24 hours per day operation, are as follows:

1 - hour maximum - 204 ug/m<sup>3</sup>  
3 - hour maximum - 145 ug/m<sup>3</sup>  
24 - hour maximum - 81 ug/m<sup>3</sup>

This shows that the 24 hour maximum AAQS of 260 ug/m<sup>3</sup> will not be exceeded while firing 1.5 percent sulfur fuel, even if a background concentration is taken into consideration.

Based on this analysis, the Department has determined that BACT is represented by the firing of new No. 6 fuel oil with a sulfur content not to exceed 1.5% by weight. The term "new oil" disallows the use of re-refined and waste oils or any non-fossil fuels that were not considered in this BACT analysis. Natural gas shall be used as an alternate fuel. Visible emissions shall not exceed 20% opacity and compliance shall be determined using DER Method 9.

Details of the Analysis May be Obtained by Contacting:

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

Recommended by:

Approved by:

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

\_\_\_\_\_  
STEVE SMALLWOOD, Director  
Division of Air Resources Mgmt.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Date

**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:  
 Bill C. Youngblood  
 Executive Vice Pres.  
 Silver Springs Citrus Coop.  
 P.O. Box 1846  
 Winter Garden, FL 32787

4. Article Number  
 P 256 396 178

Type of Service:  
☐ Registered ☐ Insured  
☒ Certified ☐ COD  
☐ Express Mail ☐ Return Receipt for Merchandise

Always obtain signature of addressee or agent and DATE DELIVERED.

5. Signature - Addressee  
 X

6. Signature - Agent  
 X *[Signature]*

7. Date of Delivery  
 8-28

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

PS Form 3811, Apr. 1989

U.S.G.P.O. 1989-238-815

DOMESTIC RETURN RECEIPT

P 256 396 178

**RECEIPT FOR CERTIFIED MAIL**  
 NO INSURANCE COVERAGE PROVIDED  
 NOT FOR INTERNATIONAL MAIL  
 (See Reverse)

U.S.G.P.O. 1989-234-555

PS Form 3800, June 1985

Sent to  
 Street and No.  
 P.O. State and ZIP Code  
 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  
 8-23-90  
 AC 35-182724



## 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

August 23, 1990

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. Bill C. Youngblood  
Executive Vice President  
Silver Springs Citrus Cooperative  
P. O. Box 1046  
Winter Garden, Florida 32787

Dear Mr. Youngblood:

Re: Permit Application AC 35-182724  
750 HP Boiler

This is to provide notice that the subject construction permit application remains incomplete since revised emission calculations require a total application fee of \$2,500. Upon receipt of the additional fee, the Department can continue processing this application.

If you have any questions, please call John Reynolds at (904)488-1344 or write to me at the above address.

Sincerely,

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

CHF/JR/plm

c: C. Collins, CF District  
F. Darabi, P.E.

Modification  
for use of  
#6 oil

9/1  
I've sent PATS dat  
to Tally 7/24 for correction  
to add 7/24 date, PATS  
shows issue in error!

## 07/03/90

APPL RECVD: 07/02/90 TYPE CODE: AC SUBCODE: 1E LAST UPDATE: 07/02/90  
DER OFFICE RECVD: ~~07/02/90~~ DER OFFICE TRANSFER TO: \_\_\_ APPLICATION COMPLETE: \_\_\_/\_\_\_/\_\_\_  
DER PROCESSOR: ~~A. ZAHN~~ B. ANDREWS  
APPL STATUS: AC DATE: 07/02/90 (ACTIVE/DENIED/WITHDRAWN/EXEMPT/ISSUED/GENERAL)  
RELIEF: \_\_\_ (SSAC/EXEMPTIONS/VARIANCE)

```

(Y/N) N MANUAL TRACKING DISTRICT:30 COUNTY:35
(Y/N) N GGC HEARING REQUESTED LAT/LONG:28.41.52/81.46.37
(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#: -

```

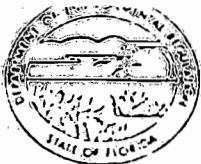
STREET: MARE AVENUE CITY: HOWEY IN HILLS  
STATE: FL ZIP: PHONE: 407-656-1122

STREET: POST OFFICE BOX 1046 CITY: WINTER GARDEN  
STATE: FL ZIP: 32787 PHONE: 407-656-1122

STREET: 730 NORTH WALDO CITY: GAINESVILLE  
STATE: FL ZIP: 32601 PHONE: 904-377-5821

B	DATE APPLICATION 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. -. . .	- / / -- - / / out
E	DATE #1 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - -	07/23/90-7/27/90
F	DATE #2 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - -	- / / -- - / /
G	DATE #3 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - -	- / / -- - / /
H	DATE #4 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - -	- / / -- - / /
I	DATE #5 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - -	- / / -- - / /
J	DATE #6 ADDITIONAL INFO REQ--REC FROM APPLICANT - - - -	- / / -- - / /
K	DATE LAST 45 DAY LETTER WAS SENT - - - - - - - -	- / / -- - / /
L	DATE FIELD REPORT WAS REQ--REC - - - - - - - -	- / / -- - / /
M	DATE DNR REVIEW WAS COMPLETED - - - - - - - -	- / / -- - / /
N	DATE APPLICATION WAS COMPLETE - - - - - - - -	- / / -- - / /
O	DATE GOVERNING BODY PROVIDED COMMENTS OR OBJECTIONS - -	- / / -- - / /
P	DATE NOTICE OF INTENT WAS SENT--REC TO APPLICANT - - -	- / / -- - / /
Q	DATE PUBLIC NOTICE WAS SENT TO APPLICANT - - - -	- / / -- - / /
R	DATE PROOF OF PUBLICATION OF PUBLIC NOTICE RECEIVED - -	- / / -- - / /
S	DATE WAIVER DATE BEGIN--END (DAY 90) - - - - - - - -	- / / -- - / /

1. steam boiler
2. "
3. unit @ 5750 hp
4. minor facility now, may be major after the modification
5. natural gas use to continue



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

PF90-922  
231666414

## Permit Data Form

Project Source Name SILVER SPRING CITRUS COOPERATIVE  
Type Code: AK Subcode IE Check if: ☐ GP ☐ Exempt  
Permit Processor's Initial ADZ Data Entry Operator's Initial \_\_\_\_\_  
Comments: \_\_\_\_\_  
Correct Fee 200  
Amount Received ?  
Amount Refund \_\_\_\_\_

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

Nº 157503

### RECEIPT FOR APPLICATION FEES AND MISCELLANEOUS REVENUE

Received from SILVER SPRING CITRUS COOP Date 07/02/90  
Address P.O. BOX 771046 WINTER HAVEN FL 33881-1046 Dollars \$ 200.00  
Applicant Name & Address \_\_\_\_\_  
Source of Revenue SILVER SPRING CITRUS COOP  
Revenue Code 001031 CK 631 Application Number AC35-182724  
By Angie

PERMIT # : 35-182724

APPLICANT NAME:

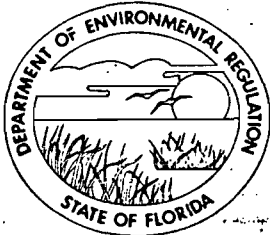
TYPE OF PERMIT: *Ac*

SUBTYPE:

STATUS: (IS, DE, GP, EX, WI, RAI) PERMIT PROCESSING (FORM #: DER-CA 01)

OFFICE:

[illegible]



# Florida Department of Environmental Regulation

Central District • 3319 Maguire Boulevard, Suite 232 • Orlando, Florida 32803-3767 • 407-894-7555

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary  
Alex Alexander, Deputy Assistant Secretary

July 20, 1990 *date*

## COMPLETENESS SUMMARY AIR POLLUTION SOURCES

SOURCE NAME: Silver Springs Citrus  
750 HP Boiler

DATE RECEIVED: ~~7/2/90~~ 7/27/90

NAME: Frank A. Darabi, P.E.  
Jones, Edmunds & Associates, Inc.

DATE REVIEWED: ~~7/18/90~~ 8/7/90

ADDRESS: 730 N. Waldo  
Gainesville, Florida 32601

REVIEWED BY: ~~John Turner~~

(AC35-182724)

Your application for a permit to construct/modify this referenced project has been received, and reviewed for completeness. The following checked item is needed to complete your application.

(X) Other: (Any section of the application which is incomplete or lacks sufficient information to be evaluated).

1. ~~Section II: F.2 - BACT will apply and will be determined by the Department.~~

2. ~~Section III: C and V: 2 and 3 - Submit revised emission estimates based on the enclosed emission factors for residual oil fired (No. 6) industrial boilers. For SO<sub>2</sub> note the weight percent of sulfur in the oil (2.5) should be multiplied by the value given. Also include CO emissions.~~

3. ~~Should the revised potential emission estimates exceed 25 tons/year, submit the additional appropriate permit application fee.~~

4. Clarify whether the continued use of natural gas as a permitted fuel is desired.

*requires a full permit application fee of \$2500. Therefore submit additional fee which total \$2500.*

COMPLETENESS SUMMARY AIR POLLUTION SOURCES

PAGE TWO

pursuant to Section 120.60(2) Florida Statutes, the department may deny an application if the applicant, after receiving timely notice fails to correct errors, omissions or supply additional information within a reasonable period of time.

If there are any questions, please call John Turner at 407/894-7555 or write to me at the above address.

Sincerely,

*Alan D. Zahm*

Alan D. Zahm, P.E.  
Supervisor, Permitting  
Air Resources Management

ADZ:jtj

cc: Barry Andrews, Tallahassee

Enclosure (1)

**DARABI  
AND  
ASSOCIATES, INC.**

Environmental Consultants

Suite A • 730 North Waldo Road, Gainesville, Florida 32601 • Phone: 904/376-6533

July 26, 1990

Mr. John Turner  
Department of Environmental Regulation  
3319 Maguire Blvd. Suite 232  
Orlando, Florida 32803

Re: Silver Springs Citrus  
750 HP Boiler

Dear Mr. Turner:

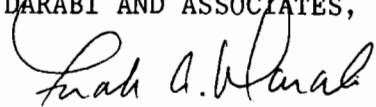
In response to your Completeness Summary dated July 20, 1990, we provide the following:

1. No comment.
2. Revised calculations and page 4 of 12 are attached.
3. Application fee of \$1,000.00 will be submitted.
4. The facility would like to keep the option of natural gas as a permitted fuel.

Your continued cooperation is appreciated.

Sincerely,

DARABI AND ASSOCIATES, INC.

  
Frank A. Darabi, P.E.  
President

FAD/mhb[845]

Enclosures

cc: Mr. Youngblood



Silver Spring Citrus

APIS #  
35-0014

potential (t/yr)

Source	PM	SO <sub>2</sub>	NO <sub>x</sub>	CO
1. pellet cooler	all	—	—	—
2. cooling reel	47	—	—	—
3. peel dryer (N.E.)	11.0	neg.	25.0	3.6
4. boiler #2 (N.E.)	0.7	neg.	18.4	2.6
5. boiler #3 (N.E.)	0.7	neg.	17.8	2.5
6. 750 HP boiler (N.E.)	1.0	neg.	18.6	2.7
	14.4		79.8	11.4

as of 7/17 minor facility, may be  
major after source #6 is modified for  
#6 oil

J

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

EMISSION FACTOR RATING: A

Boiler Type <sup>a</sup>	Particulate <sup>b</sup> Matter		Sulfur Dioxide <sup>c</sup>		Sulfur Trioxide		Carbon Monoxide <sup>d</sup>		Nitrogen Oxide <sup>e</sup>		Volatile Organics <sup>f</sup> Nonmethane		Methane	
	kg/10 <sup>3</sup> l	lb/10 <sup>3</sup> gal	kg/10 <sup>3</sup> l	lb/10 <sup>3</sup> gal	kg/10 <sup>3</sup> l	lb/10 <sup>3</sup> gal	kg/10 <sup>3</sup> l	lb/10 <sup>3</sup> gal	kg/10 <sup>3</sup> l	lb/10 <sup>3</sup> gal	kg/10 <sup>3</sup> l	lb/10 <sup>3</sup> gal	kg/10 <sup>3</sup> l	lb/10 <sup>3</sup> gal
Utility Boilers														
Residual Oil	8	8	19S	157S	0.34S <sup>h</sup>	2.9S <sup>h</sup>	0.6	5	8.0 (12.6)(5) <sup>i</sup>	67 (105)(42) <sup>i</sup>	0.09	0.76	0.03	0.28
Industrial Boilers														
Residual Oil	8	8	19S	157S	0.24S	2S	0.6	5	6.6 <sup>j</sup>	55 <sup>j</sup>	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	8	8	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

<sup>a</sup>Boilers can be approximately classified according to their gross (higher) heat rate as shown below:Utility (power plant) boilers:  $>106 \times 10^9$  J/hr ( $>100 \times 10^6$  Btu/hr)Industrial boilers:  $10.6 \times 10^9$  to  $106 \times 10^9$  J/hr ( $10 \times 10^6$  to  $100 \times 10^6$  Btu/hr)Commercial boilers:  $0.5 \times 10^9$  to  $10.6 \times 10^9$  J/hr ( $0.5 \times 10^6$  to  $10 \times 10^6$  Btu/hr)Residential furnaces:  $<0.5 \times 10^9$  J/hr ( $<0.5 \times 10^6$  Btu/hr)<sup>b</sup>References 3-7 and 24-25. Particulate matter is defined in this section as that material collected by EPA Method 5 (front half catch).<sup>c</sup>References 1-5. S indicates that the weight % of sulfur in the oil should be multiplied by the value given.<sup>2</sup><sup>d</sup>References 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.<sup>e</sup>Expressed as NO<sub>2</sub>. References 1-5, 8-11, 17 and 26. Test results indicate that at least 95% by weight of NO<sub>x</sub> is NO for all boiler types except residential furnaces, where about 75% is NO.<sup>f</sup>References 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.<sup>g</sup>Particulate 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/10<sup>3</sup> liter [ $10(S) + 3$  lb/10<sup>3</sup> 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/10<sup>3</sup> liter (10 lb/10<sup>3</sup> gal)Grade 4 oil:  $0.88$  kg/10<sup>3</sup> liter (7 lb/10<sup>3</sup> gal)<sup>h</sup>Reference 25.<sup>i</sup>Use 5 kg/10<sup>3</sup> liters (42 lb/10<sup>3</sup> gal) for tangentially fired boilers, 12.6 kg/10<sup>3</sup> liters (105 lb/10<sup>3</sup> gal) for vertical fired boilers, and 8.0 kg/10<sup>3</sup> liters (67 lb/10<sup>3</sup> gal) for all others, at full load and normal ( $>15\%$ ) excess air. Several combustion modifications can be employed for NO<sub>x</sub> reduction: (1)limited excess air can reduce NO<sub>x</sub> emissions 5-20%, (2) staged combustion 20-40%, (3) using low NO<sub>x</sub> burners 20-50%, and (4) ammonia injection can reduce NO<sub>x</sub> 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<sub>x</sub> reducing techniques and their operational and environmental impacts.<sup>j</sup>Nitrogen oxides emissions from residual oil combustion in industrial and commercial boilers are strongly related to fuel nitrogen content, estimated more accurately by the empirical relationship: $\text{kg NO}_2/10^3 \text{ liters} = 2.75 + 50(N)^2$  [ $\text{lb NO}_2/10^3 \text{ gal} = 22 + 400(N)^2$ ] where N is the weight % of nitrogen in the oil. For residual oils having high ( $>0.5$  weight %) nitrogen content, use 15 kg NO<sub>2</sub>/10<sup>3</sup> liter (120 lb NO<sub>2</sub>/10<sup>3</sup> gal) as an emission factor.



# Florida Department of Environmental Regulation

Central District • 3319 Maguire Boulevard, Suite 232 • Orlando, Florida 32803-3767 • 407-894-7555

Bob Martinez, Governor

Dale Twachtman, Secretary

John Shearer, Assistant Secretary  
Alex Alexander, Deputy Assistant Secretary

July 20, 1990

## COMPLETENESS SUMMARY AIR POLLUTION SOURCES

SOURCE NAME: Silver Springs Citrus  
750 HP Boiler

DATE RECEIVED: 7/2/90

NAME: Frank A. Darabi, P.E.  
Jones, Edmunds & Associates, Inc.  
ADDRESS: 730 N. Waldo  
Gainesville, Florida 32601

DATE REVIEWED: 7/18/90

REVIEWED BY: John Turner

(AC35-182724)

Your application for a permit to construct/modify this referenced project has been received, and reviewed for completeness. The following checked item is needed to complete your application.

(X) Other: (Any section of the application which is incomplete or lacks sufficient information to be evaluated).

- ✓ 1. Section II: F.2 - BACT will apply and will be determined by the Department.
- ✓ 2. Section III: C and V: 2 and 3 - Submit revised emission estimates based on the enclosed emission factors for residual oil fired (No. 6) industrial boilers. For SO<sub>2</sub> note the weight percent of sulfur in the oil (2.5) should be multiplied by the value given. Also include CO emissions.
- ? 3. Should the revised potential emission estimates exceed 25 tons/year, submit the additional appropriate permit application fee.
- ✓ 4. Clarify whether the continued use of natural gas as a permitted fuel is desired.

COMPLETENESS SUMMARY AIR POLLUTION SOURCES

PAGE TWO


Pursuant to Section 120.60(2) Florida Statutes, the department may deny an application if the applicant, after receiving timely notice fails to correct errors, omissions or supply additional information within a reasonable period of time.

If there are any questions, please call John Turner at 407/894-7555 or write to me at the above address.

Sincerely,



Alan D. Zahn, P.E.  
Supervisor, Permitting  
Air Resources Management

ADZ:jtj 

cc: Barry Andrews, Tallahassee

Enclosure (1) —

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

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

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 <sup>1</sup>		Allowed <sup>2</sup> Emission Rate per Rule 17-2	Allowable <sup>3</sup> Emission lbs/hr	Potential <sup>4</sup> Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/yr	T/yr	
Particulate	5.8	16.70			33350	16.70	
Sox	82.3	236.6			473225	236.6	
Nox	11.4	32.7			65550	32.7	
Co	1.03	2.9			9522	2.9	

<sup>1</sup>See Section V, Item 2.

<sup>2</sup>Reference 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)

<sup>3</sup>Calculated from operating rate and applicable standard.

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

Silver Springs Citrus

750 HP Boiler

Emission Calculations

Fuel Consumption 207 gal/hr

Sulfur content 2.5%

Particulate

$$(10(S)+3)/1000 \text{ gal}$$

$$\frac{(10(2.5)+3) 207}{1000} = 5.8 \text{ lbs/hr}$$

$$(5.8) (5750) = 33350 \text{ lbs/yr}$$

$$(5750 \text{ hrs}) (5.8 \text{ lb/hr}) \left( \frac{1}{2000} \right) = 16.70 \text{ tons/yr}$$

Sox

157  
↓

$$159S/1000 \text{ gal} \quad \text{gal. 2}$$

$$\frac{(159)(2.5)(207)}{1000} = 82.3 \text{ lbs/hr}$$

$$\frac{(82.3)(5750)}{2000} = 233.6 \text{ tons/yr}$$

Nox

$$\frac{(55)(207)}{1000} = 11.4 \text{ lbs/hr}$$

$$\frac{(11.4)(5750)}{2000} = 32.7 \text{ tons/yr}$$

Co

$$\frac{(5)(207)}{1000} = 1.03 \text{ lbs/hr}$$

$$\frac{(1.03)(5750)}{2000} = 2.9 \text{ tons/yr}$$

**Silver Springs Citrus Cooperative  
Central Harvesting, Inc.**

631

P.O. BOX 771046  
WINTER GARDEN, FLORIDA 34777-1046

LOC. NO.	DATE	CHECK NUMBER	AMOUNT
	6/26/90	9867	\$*****200.00

PAY

TO THE  
ORDER  
OF

FLA DEPT OF ENVIRONMENTAL REG  
3319 MAGUIRE BLVD.  
SUITE 232  
ORLANDO, FL 32803-3767

Silver Springs Citrus Cooperative  
Central Harvesting, Inc.

NCNB National Bank Of Florida  
Orlando, Florida 32801

## STATE OF FLORIDA

## DEPARTMENT OF ENVIRONMENTAL REGULATION

NORTHEAST DISTRICT  
BRANCH OFFICE825 NORTHWEST 23<sup>RD</sup> AVENUE  
SUITE G  
GAINESVILLE, FLORIDA 32601CENTRAL FLORIDA  
DISTRICTBOB GRAHAM  
GOVERNORVICTORIA J. SCHINKEL  
SECRETARYAPPLICATION TO ~~OPERATE~~/CONSTRUCT AIR POLLUTION SOURCESSOURCE TYPE: Boiler [☒] New<sup>1</sup> [ ] Existing<sup>1</sup>APPLICATION TYPE: [☒] Construction [ ] Operation [☒] ModificationCOMPANY NAME: Silver Springs Citrus Cooperative COUNTY: LakeIdentify 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) 750 HP Hurst gas/oil fired boilerSOURCE LOCATION: Street Mare Avenue City Howey-In-The-HillsUTM: East 424.1 Km North 3176.4 KmLatitude 28 ° 42 ' 52 "N Longitude 81 ° 46 ' 37 "WAPPLICANT NAME AND TITLE: Bill C. Youngblood, Executive Vice PresidentAPPLICANT ADDRESS: P.O. Box 1046, Winter Garden, Florida 32787

## SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

## A. APPLICANT

I am the undersigned owner or authorized representative\* of Silver Springs Citrus Coop.I certify that the statements made in this application for a Modified 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: Bill C. YoungbloodBill C. Youngblood, Executive Vice President  
Name and Title (Please Type)Date: 6-15-90 Telephone No. 305/656-1122

## 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<sup>1</sup> 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

Frank A. Darabi

Frank A. Darabi

Name (Please Type)

JONES, EDMUNDS & ASSOCIATES, INC.

Company Name (Please Type)

730 North Waldo Gainesville, Florida 32601

Mailing Address (Please Type)

Florida Registration No. 20385

Date: 6/14/90

Telephone No. 904 377-5821

**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.

Construction of a 750 HP series 400 Hurst Boiler for production of 30,000 pounds per hour of steam to be used in citrus processing. The primary fuel will be #6 fuel oil with natural gas as standby.

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

Start of Construction \_\_\_\_\_ Completion of Construction \_\_\_\_\_

- 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.)

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

A035-144706

5760

E. Requested permitted equipment operating time: hrs/day 24; days/wk 6; wks/yr 40;  
if power plant, hrs/yr 5760; if seasonal, describe: \_\_\_\_\_

Citrus processing season

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? NO
  - a. If yes, has "offset" been applied? \_\_\_\_\_
  - b. If yes, has "Lowest Achievable Emission Rate" been applied? \_\_\_\_\_
  - c. If yes, list non-attainment pollutants. \_\_\_\_\_
2. Does best available control technology (BACT) apply to this source?  
If yes, see Section VI. NO *yes!*
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
- H. 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:

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

#### 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 <sup>1</sup>		Allowed <sup>2</sup> Emission Rate per Rule 17-2	Allowable <sup>3</sup> Emission lbs/hr	Potential <sup>4</sup> Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/yr	T/yr	
Particulate	.414	1.19	20%	opacity	2380	1.19	
SOX	.745	2.14			4284	2.14	
NOX	4.55	13			2616	13	

<sup>1</sup>See Section V, Item 2.

<sup>2</sup>Reference 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)

<sup>3</sup>Calculated from operating rate and applicable standard.

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

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

Name and Type (Model & Serial No.)	Contaminant	Efficiency	Range of Particles Size Collected (in microns) (If applicable)	Basis for Efficiency (Section V Item 5)
NONE				

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
#6 Fuel Oil	105	207	31.4 ✓

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

Fuel Analysis:

Percent Sulfur: 2.5% Percent Ash: .05%  
 Density: 7 lbs/gal Typical Percent Nitrogen: \_\_\_\_\_  
 Heat Capacity: 21714 BTU/lb 152,000 BTU/gal  
 Other Fuel Contaminants (which may cause air pollution): NONE

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

Annual Average NONE Maximum \_\_\_\_\_

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

Boiler blow down to the plant sprayfield

Stack Height: 20 ft. Stack Diameter: 28 inches ft.  
Gas Flow Rate: 27000 ACFM          DSCFM Gas Exit Temperature: 350 °F.  
Water Vapor Content: 10 % Velocity: 107 FPS

Type of Waste	Type O (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)							

Date Constructed \_\_\_\_\_ Model No. \_\_\_\_\_

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

Gas Flow Rate: \_\_\_\_\_ ACFM \_\_\_\_\_ DSCFM\* Velocity: \_\_\_\_\_ FPS

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)]
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.
3. Attach basis of potential discharge (e.g., emission factor, that is, AP42 test).
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.)
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).
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.
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).
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.

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:

7. Energy:

9. Emissions:

6. Operating Costs:

8. Maintenance Cost:

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: <sup>1</sup>	d. Capital Cost:
e. Useful Life:	f. Operating Cost:
g. Energy: <sup>2</sup>	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: <sup>1</sup>	d. Capital Cost:
e. Useful Life:	f. Operating Cost:
g. Energy: <sup>2</sup>	h. Maintenance Cost:
i. Availability of construction materials and process chemicals:	

<sup>1</sup>Explain method of determining efficiency.

<sup>2</sup>Energy 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:<sup>1</sup>

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

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:<sup>1</sup>

d. Capital Costs:

e. Useful Life:

f. Operating Cost:

g. Energy:<sup>2</sup>

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:<sup>1</sup>

3. Capital Cost:

4. Useful Life:

5. Operating Cost:

6. Energy:<sup>2</sup>

7. Maintenance Cost:

8. Manufacturer:

9. Other locations where employed on similar processes:

a. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

<sup>1</sup>Explain method of determining efficiency.

<sup>2</sup>Energy to be reported in units of electrical power - KWH design rate.

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration

(8) Process Rate:<sup>1</sup>

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:<sup>1</sup>

Contaminant

Rate or Concentration

(8) Process Rate:<sup>1</sup>

10. Reason for selection and description of systems:

<sup>1</sup>Applicant 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 \_\_\_\_\_ ( ) SO<sub>2</sub>\* \_\_\_\_\_ 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

B. 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) \_\_\_\_\_

C. 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.

D. Applicants Maximum Allowable Emission Data

Pollutant	Emission Rate
TSP	_____ grams/sec
SO <sub>2</sub>	_____ grams/sec

E. 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.

F. Attach all other information supportive to the PSD review.

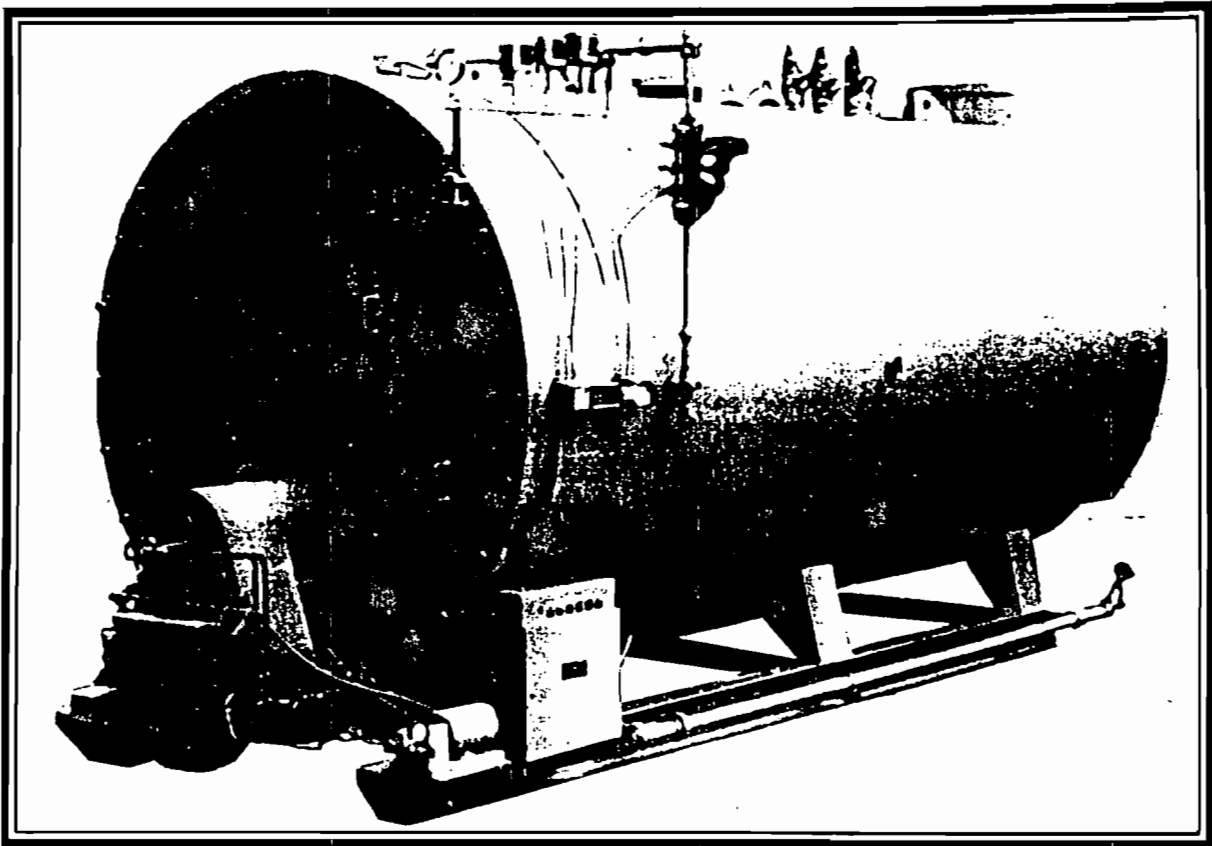
G. Discuss the social and economic impact of the selected technology versus other applicable technologies (i.e., jobs, payroll, production, taxes, energy, etc.). Include assessment of the environmental impact of the sources.

H. 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.



## SERIES 400

Three Pass Wet Back  
Packaged Scotch Boilers



Available in Steam or Hot Water Versions  
30-1400 HP — Pressure to 300 psig.

*160 PSI  
Boiler rated at 200 PSI*

Three-pass wet back design eliminates refractory baffles between flue gas passes.

U.L. listed forced draft burners for firing gas, oil and combination gas/oil

Minimum maintenance with rugged construction for extra-long life.

Factory test fired and checked for optimum operating efficiency.

### HURST "PERFORMANCE" BOILERS



Designed, constructed and stamped in accordance with the requirements of the ASME Boiler Codes.



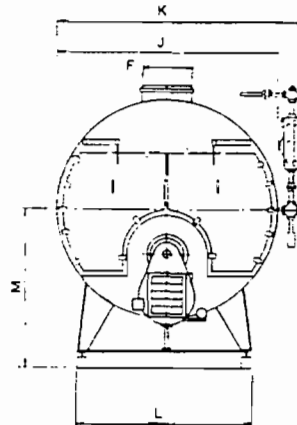
Inspected and registered with the National Board of Boiler & Pressure Vessel Inspectors



Member, American Boiler Manufacturer's Association

# SERIES 400

Three Pass Wet Back  
Packaged Scotch Boilers



FRONT VIEW

BOILER SPECIFICATIONS

BOILER HORSEPOWER		30	40	50	60	70	80
HEATING SURFACE (FIRESIDE)	SQ. FT.	150	200	250	300	350	400
STEAM OUTPUT, FROM & AT 212°F	LBS/HR.	1035	1380	1725	2070	2415	2760
GROSS OUTPUT	MBH	1004	1339	1674	2009	2343	2678
FIRING RATE, GAS (1,000 BTU/CF)	MBH	1260	1680	2100	2520	2940	3360
FIRING RATE, LP GAS (91,500 BTU)	GPH	13.8	18.4	23	27.5	32	36.7
FIRING RATE, #2 OIL (140,000 BTU)	GPH	9	12	15	18	21	24
FIRING RATE, #5 & 6 OIL (150,000 BTU)	GPH	8.4	11.2	14.0	16.8	19.6	22.4
STEAM SPACE	CU. FT.	4.4	5.6	8.0	9.5	6.6	7.8
STEAM DISENGAGING AREA	SQ. FT.	12.9	16.4	19.5	23.0	19.56	22.3
A NOTE 1 STEAM OUTLET SIZE	150 PSI	1½"	2"	2½"	2½"	3"	3"
A NOTE 2 STEAM OUTLET SIZE	15 PSI	4	4	4	6"	6"	6"
B NOTE 2 SUPPLY SIZE	30 PSI	4	4	4	6"	6"	6"
C NOTE 2 RETURN SIZE	30 PSI	4	4	4	4"	4"	4"
D FEEDWATER CONNECTION SIZE		¾"	¾"	¾"	1"	1"	1½"
E BOTTOM BLOWDOWN CONNECTION SIZE		1"	1½"	1½"	1½"	1½"	(2) 1½"
F STACK OUTLET SIZE O.D.		10"	10"	10"	10"	12"	12"
G FURNACE O.D.		14"	14"	16"	16"	18"	18"
H SHELL I.D.		40"	40"	44"	44"	48"	48"
I SUPPLY HEIGHT & STACK HEIGHT		4'-11"	4'-11"	5'-3"	5'-3"	5'-7"	5'-7"
J WIDTH WITHOUT TRIM		3'-9"	3'-9"	4'-1"	4'-1"	4'-5"	4'-5"
K WIDTH WITH TRIM		4'-4"	4'-4"	4'-7"	4'-7"	5'-0"	5'-0"
L SKID WIDTH		3'-0"	3'-0"	40"	40"	3'-8"	3'-8"
M CENTERLINE TO FLOOR		32¾"	32¾"	34¾"	34¾"	3'-0½"	3'-0½"
N SHELL TO FLOOR		12"	12"	12"	12"	12"	12"
O BASE TO REAR		13"	13"	12½"	12½"	21½"	21½"
P SKID LENGTH		6'-6"	7'-6"	8'-6"	10'-0"	8'-8"	9'-8"
Q REAR FLUE BOX TO SHELL		6½"	6½"	6½"	6½"	9½"	9½"
R REAR TO BLOWDOWN CONNECTION		3'-6"	4'-6"	5'-6½"	5'-6½"	8'-9"	16½" - 8'-5"
S 1½" SURFACE BLOW-OFF CONNECTION		30"	30"	31¼"	31¼"	3'-1¼"	3'-11"
T STEAM OUTLET (150 PSI & 15 PSI)		3'-3"	3'-6"	3'-4½"	3'-7½"	4'-1½"	4'-11"
U SUPPLY LOCATION	30 PSI	20"	20½"	33"	33"	3'-8"	3'-8"
V RETURN LOCATION	30 PSI	4'-11"	6'-2½"	6'-6"	7'-9"	7'-2"	8'-2"
W BURNER PROJECTION		30½"	30½"	30½"	30½"	30½"	30½"
X TUBE REMOVAL FRONT		5'-0"	6'-6"	7'-0"	8'-0"	7'-0"	8'-0"
Y STACK OUTLET LOCATION		6'-6½"	8'-0"	8'-3"	9'-6"	8'-8½"	9'-8½"
Z1 OVERALL LENGTH WITH BURNER		9'-6"	10'-11½"	11'-2½"	12'-5½"	11'-5"	12'-5"
Z2 OVERALL LENGTH WITHOUT BURNER		8'-0"	9'-0"	9'-10½"	11'-5"	10'-7"	11'-7"
APPROXIMATE SHIPPING WEIGHT - 150 PSI †	LBS.	3500	4100	4700	5700	6200	6900
APPROXIMATE SHIPPING WEIGHT - 15 & 30 PSI †	LBS.	-	-	-	5300	5900	6200
WATER CAPACITY @ NWL	GAL.	280	300	315	330	381	436
WATER CAPACITY FLOODED	GAL.	300	320	350	378	437	499
OPERATING WEIGHT @ NWL - 150 PSI †	LBS.	5824	6590	7315	8439	9363	10519

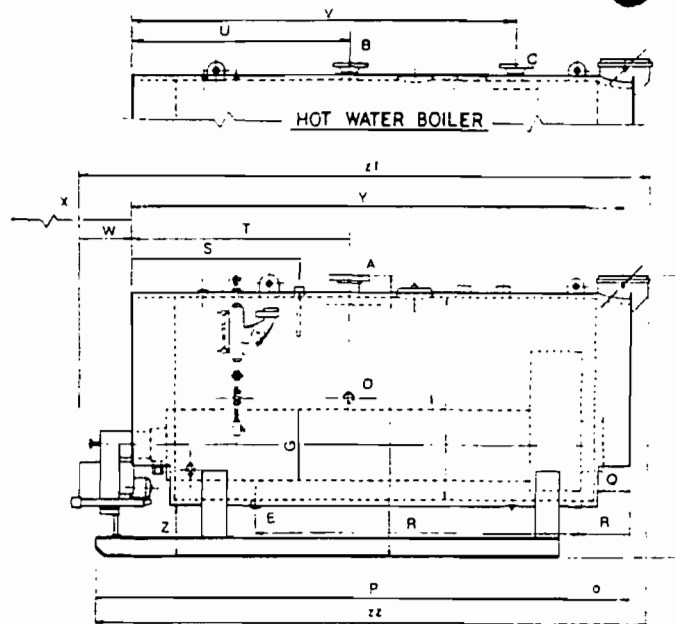
NOTE 1. 3" AND ABOVE ARE 300# ANSI FLANGE

NOTE 2. 4" AND ABOVE ARE 150# ANSI FLANGE

NOTE: DIMENSION Z1, Z2, &amp; W ARE SUBJECT TO CHANGE WITHOUT NOTICE, CONSULT FACTORY FOR CERTIFIED DRAWINGS.

NOTE: 100 H.P. AND LARGER — 12"x16" MANWAY

† ALL WEIGHTS ARE APPROX.

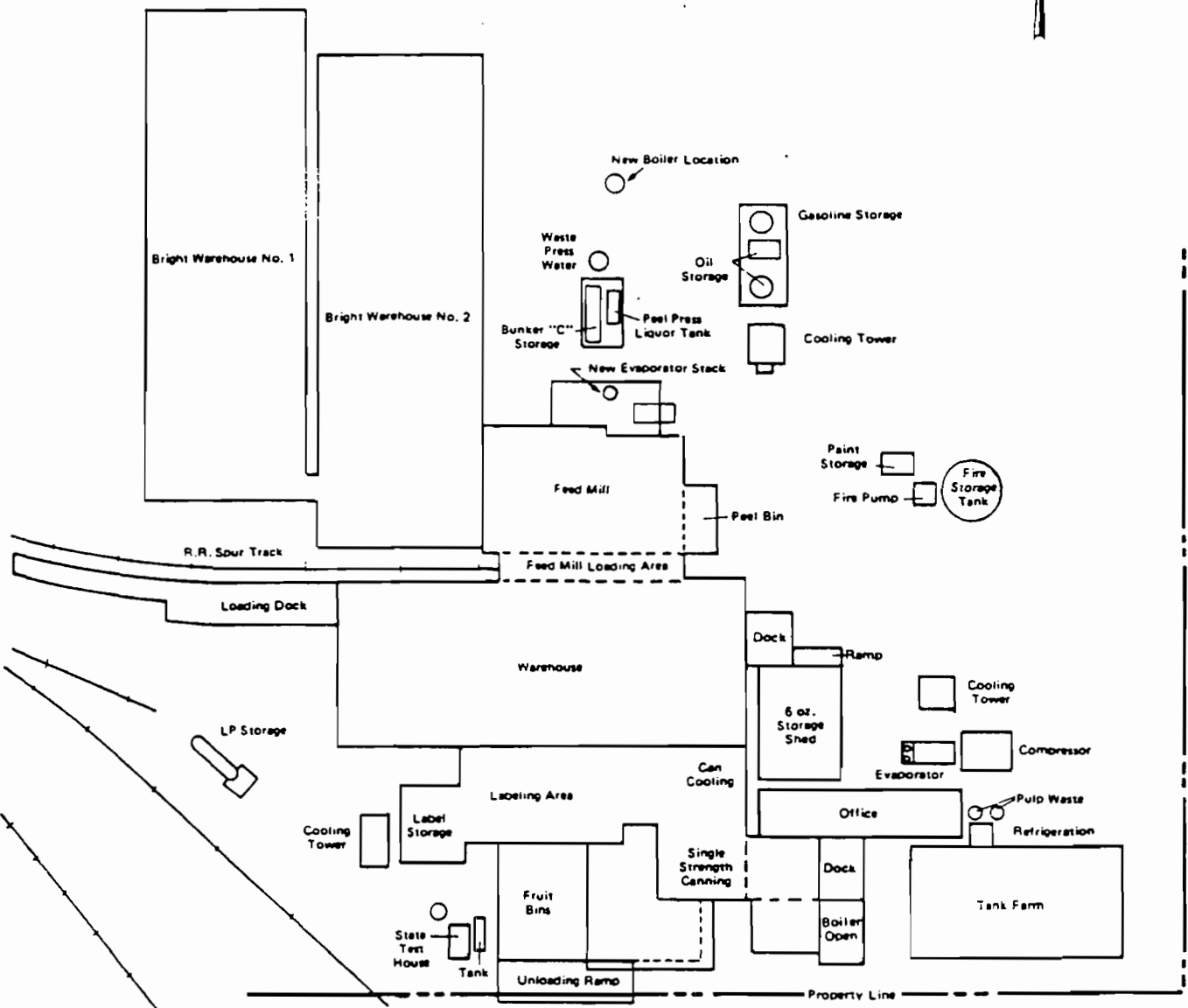
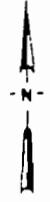


40' Long  
30' Wide  
18' High  
3,000 GPM  
80,000 WT.  
536PM

RIGHT SIDE VIEW

## IFICATIONS

	100	125	150	200	250	300	350	400	500	600	750	1000
	500	625	750	1000	1250	1500	1750	2000	2500	3000	3750	5000
	3450	4313	5175	6900	8625	10350	12075	13800	17250	20700	25875	30000
	3348	4184	5021	6695	8369	10043	11716	13390	16738	20085	25106	33475
	4200	5250	6300	8400	10500	12600	14700	16800	21000	25200	31500	42000
	46	57	69	92	115	138	160	184	230	275	344	457
	29.9	37.4	45.	60.	75.	90.	105.	120	150	180	225	299
	28	35	42	56	70	84	98	112	140	168	210	279
	9.97	12.5	14.8	19.2	29.	39.	45	57.4	75.5	90.2	112.25	122.3
	24.	30.25	32.9	42.	50.	58.6	68.	71.8	84.8	92.6	115.2	129.75
	4"	4"	4"	4"	6"	6"	6"	6"	8"	8"	8"	10"
	8"	8"	8"	8"	10"	10"	10"	10"	12"	12"	12"	14"
	8"	8"	8"	8"	10"	10"	10"	10"	12"	12"	12"	
	6"	6"	6"	6"	6"	8"	8"	8"	8"	8"	10"	
	1 1/2"	1 1/2"	1 1/2"	1 1/2"	1 1/2"	2"	2"	2"	2"	2 1/2"	2 1/2"	2 1/2"
	(2)-1 1/2"	(2)-1 1/2"	(2)-1 1/2"	(2)-2"	(2)-1 1/2"	(2)-2"	(2)-2"	(2)-2"	(2)-2"	(2)-2 1/2"	(2)-2 1/2"	(2)-2 1/2"
	14"	14"	16"	16"	18"	20"	20"	24"	24"	28"	28"	30"
	22"	22"	24"	24"	26"	30"	30"	34"	34"	38"	38"	52"
	54"	54"	60"	60"	66"	78"	76"	84"	90"	96"	96"	112"
	6'4"	6'4"	6'10"	6'10"	7'4"	8'3"	8'3"	8'11"	9'6"	9'11"	9'11"	11'-5"
	4'11 1/2"	4'11 1/2"	5'5"	5'5"	6'0"	6'11"	6'11"	7'6"	7'11"	8'5"	8'5"	8'9 1/2"
	5'6"	5'6"	6'0"	6'0"	6'6"	7'6"	7'6"	8'0"	8'6"	9'0"	9'0"	10'-4"
	4'0"	4'0"	4'0"	4'0"	4'6"	5'6"	5'6"	5'8"	6'6"	7'0"	7'0"	8'-8"
	3'-6 1/2"	3'-6 1/2"	3'-9 1/2"	3'-9 1/2"	4'-0 1/2"	4'-6 1/2"	4'-6 1/2"	4'-10 1/2"	5'-1"	5'-4 1/2"	5'-4 1/2"	6'-2 1/2"
	15"	15"	15"	15"	15"	18"	16"	18"	16"	18"	16"	18"
	23 1/2"	23 1/2"	23 1/2"	23 1/2"	29"	31 1/2"	29"	26 1/2"	30 1/2"	37 1/2"	3'-1 1/2"	30"
	9'-3"	11'-8"	11'-0"	14'-0"	14'-6"	14'-6"	17'-0"	16'-6"	17'-0"	17'-6"	21'-0"	25'-0"
	11 1/2"	11 1/2"	11 1/2"	11 1/2"	14"	14"	14"	14 1/2"	15 1/2"	19"	19"	20"
	19 1/2"-6'-10"	19 1/2"-7'-10"	17 1/2"-7'-6"	17 1/2"-10'-0"	22"-10'-4"	23 1/2"-10'-5"	23 1/2"-12'-0"	22 1/2"-10'-0"	23 1/2"-12'-1"	30"-10'-10"	30 1/2"-14'-7"	6'-8"-12'-0"
	3'-7 1/2"	4'-6"	4'-2"	5'-3"	5'-5 1/2"	5'-4"	5'-7"	5'-6"	6'-6"	6'-0"	7'-8"	7'-8 1/2"
	4'-7 1/2"	5'-8"	5'-2"	6'-6"	7'-1 1/2"	6'-10"	7'-4"	7'-0"	8'-0"	8'-0"	10'-2"	9'-8 1/2"
	33"	33"	39"	39"	4'-2"	4'-0"	4'-9"	5'-0"	5'-0"	5'-0"	6'-1 1/4"	
	7'-7"	9'-5"	9'-1"	11'-9"	11'-8"	11'-6"	13'-9"	12'-6"	13'-6"	13'-4"	16'-11 1/4"	
	30 1/2"	34"	34"	34"	37 1/2"	37 1/2"	37 1/2"	37 1/2"	39 1/2"	39 1/2"	43"	65"
	7'-8"	9'-4"	9'-0"	12'-0"	12'-6"	12'-3"	14'-3"	13'-6"	14'-0"	14'-6"	18'-0"	18'-6"
	9'-3 1/2"	11'-2 1/2"	11'-1"	13'-11"	14'-8"	14'-8 1/2"	16'-8 1/2"	16'-0 1/2"	16'-10"	17'-6"	21'-1 1/4"	22'-7 1/4"
	12'-5"	14'-7 1/2"	14'-7"	17'-5"	18'-6"	18'-8 1/2"	20'-8 1/2"	19'-2 1/2"	21'-2"	22'-0"	26'-0"	28'-5 1/2"
	11'-6"	13'-9"	13'-5"	16'-5"	17'-4"	17'-9"	20'-0"	19'-7"	20'-4"	21'-4 1/2"	24'-10"	29'-3 1/2"
	8200	9700	11100	14100	16700	20200	23600	26100	31900	38100	46900	
	7200	8000	9500	11800	15000	18900	21200	23800	29300	34700	42900	
	519	647	752	1000	1214	1664	1929	1897	2427	2875	3589	
	591	736	875	1161	1474	1987	2302	2329	3004	3526	4394	
	12508	15071	17342	22400	26777	34011	39611	41845	52044	61963	76689	

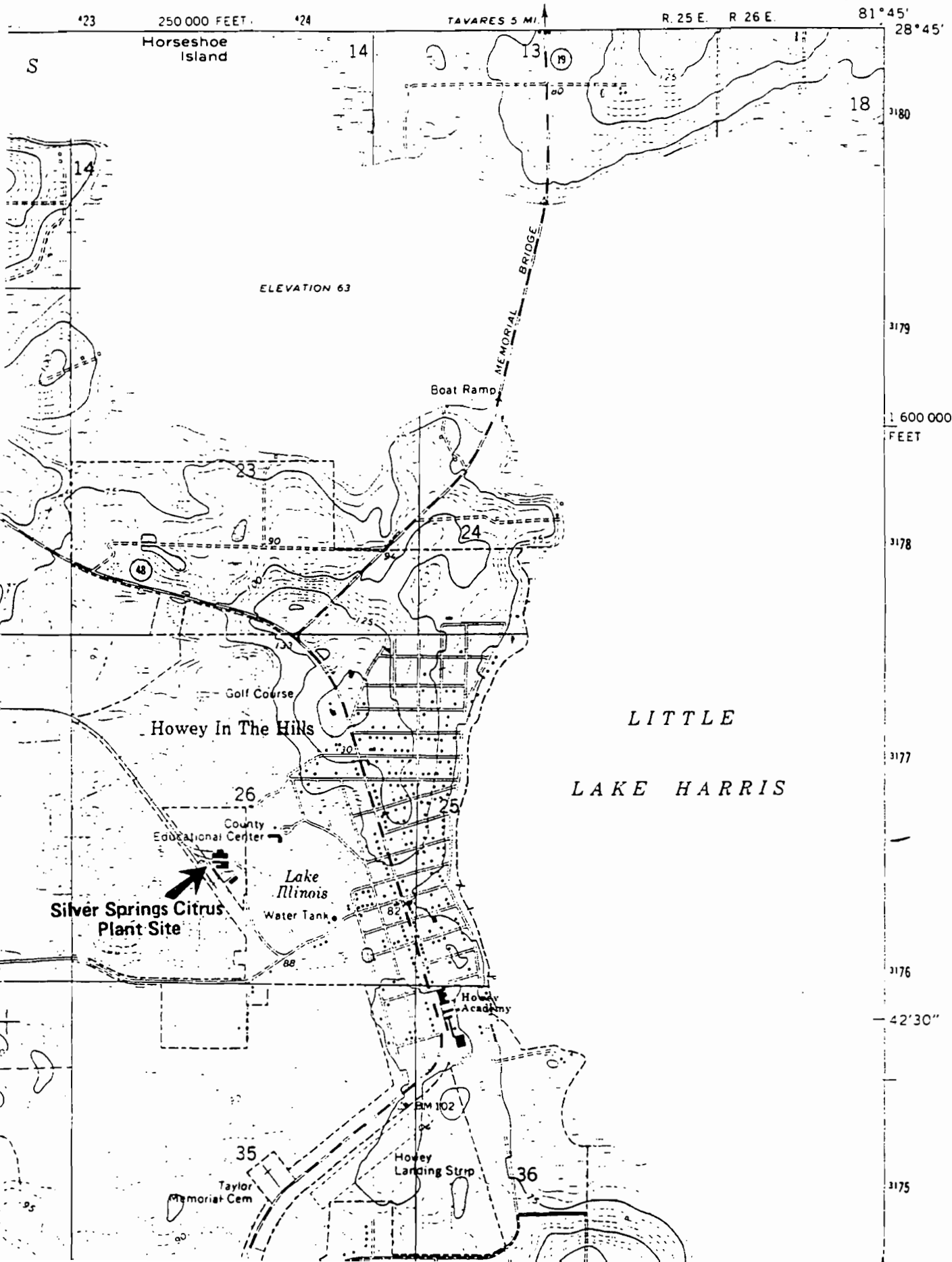


Plot Plan

Silver Springs Citrus Cooperative  
Howey-in-the-Hills, Florida

HOWEY IN THE HILLS QUADRANGLE  
FLORIDA-LAKE CO.  
7.5 MINUTE SERIES (TOPOGRAPHIC)

45° 15' N  
(EUSTIS)



### Emission Calculations

Silver Springs Citrus Cooperative  
750 HP Boiler  
A035-144206

Boiler output 750 HP  
Boiler efficiency 80%  
Boiler heat input  $750 \text{ HP} \times 3.52 \times 10^4 \text{ BTU/hr} / \text{HP} \times 1/0.8$   
 $= 31.4 \times 10^6 \text{ BTU/hr Max}$

#### Fuel Oil Usage:

#6 Fuel oil at 152,000 BTU/gal

Fuel requirement:  $31.4 \times 10^6 / 152,000 = 207 \text{ gal/max hr.}$

#### Emission (Potential and Actual) AP-42

##### Particulate

$(207 \text{ gal}) (2 \text{ lbs}/10^3 \text{ gal}) = 0.414 \text{ lbs/hr.}$   
 $5750 \text{ hrs.} \times 0.414 \text{ lbs/hr} \times 1/2000 = 1.19 \text{ T/yr.}$   
 $5750 \text{ hrs.} \times 0.414 \text{ lbs/hr} = 2380 \text{ lbs/yr}$

##### SOX 144S

$(207 \text{ gal}) (144 \times 0.025/1000) = 0.745 \text{ lbs/hr.}$   
 $5750 \text{ hrs.} \times 0.745 \text{ lbs/hr} \times 1/2000 = 2.14 \text{ T/yr.}$   
 $5750 \text{ hrs.} \times 0.745 \text{ lbs/hr} = 4284 \text{ lbs/yr}$

##### Nitrogen Oxides:

$(207 \text{ gal}) (22 \text{ lbs}/1000 \text{ gal}) = 4.55 \text{ lbs/hr.}$   
 $5750 \text{ hrs.} \times 4.55 \times 1/2000 = 13.08 \text{ T/yr.}$   
 $5750 \text{ hrs.} \times 4.55 \text{ lbs/hr} = 2616 \text{ lbs/yr}$

Needs CO too!

STATE OF FLORIDA  
DEPARTMENT OF ENVIRONMENTAL REGULATION

**CENTRAL FLORIDA DISTRICT**

3319 MAGUIRE BOULEVARD  
SUITE 232  
ORLANDO, FLORIDA 32803-3787



BOB MARTINEZ  
GOVERNOR  
DALE TWACHTMANN  
SECRETARY  
ALEX ALEXANDER  
DISTRICT MANAGER

Permittee:  
Silver Springs Citrus Cooperative  
P.O. Box 1046  
Winter Garden, FL 32787  
  
Attention: Bill C. Youngblood  
Executive Vice President

I. D. Number:  
Permit/Certification  
Number: A035-144706  
Date of Issue: 3/4/88  
Expiration Date: 3/01/93  
County: Lake  
Latitude/Longitude:  
28°42'52"N/81°46'37"W  
UTM: 17-424.1 KmE/ 3176.4 KmN  
Project: Steam Boiler (750 HP)

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-2. 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:

The permittee can operate a Steam Boiler which is a 750 HP Hurst, Series 400, fired by Natural Gas or No. 6 Fuel Oil only at a maximum heat input of 32 MMBTU/hour.

This source is located at the Silver Springs Citrus Cooperative facility at Mare Avenue at Howey-in-the-Hills, Lake County, Florida.

General Conditions are attached to be distributed to the permittee only.

DER FORM 17-1.201(5) Effective November 30, 1982 Page 1 of 5

PERMITTEE:  
Silver Springs Citrus Cooperative  
  
Attention: Bill C. Youngblood  
Executive Vice President

I. D. Number:  
Permit/Certification Number:  
A035-144706  
Date of Issue:  
Expiration Date: 3/01/93

**SPECIFIC CONDITIONS:**

1. No person shall cause, suffer, allow or permit the discharge of air pollutants which cause or contribute to an objectionable odor pursuant to Rule 17-2.620(2) F.A.C. Objectionable odor is defined as any odor present in the outdoor atmosphere which by itself or in combination with other odors, is or may be harmful or injurious to human health or welfare, which unreasonably interferes with the comfortable use and enjoyment of life or property, or which creates a nuisance pursuant to Rule 17-2.100(131) F.A.C. Odor is defined as a sensation resulting from stimulation of the human olfactory organ pursuant to Rule 17-2.100(132) F.A.C.
2. There shall be no discharges of liquid effluents or contaminated runoff to surface or ground water without prior approval from this office.
3. All unconfined emissions of particulate matter generated at this site shall be adequately controlled. (Rule 17-2.610(3), F.A.C.) Area must be watered down should unconfined emissions occur.
4. This permit does not preclude compliance with any applicable local permitting requirements and regulations.
5. This source will be fired with Natural Gas only. The permitted heat input rate for this source is 32 MMBTU/hr.
6. During periods of Natural Gas curtailment, No. 6 Fuel Oil may be fired. However, if fuel oil is to be fired in this boiler for more than 600 hours in any twelve month period, a modification of this permit shall be required before commencing operation on fuel oil.
7. The sulfur content of the No. 6 Fuel Oil burned in the steam boiler shall not exceed 1.0 percent by weight. The fuel oil analysis shall be recorded daily and these records shall be kept for a minimum of two years for regulatory agency inspection. The appropriate ASTM method shall be used to determine the fuel oil sulfur content.
8. Visible emissions shall not be greater than 20% opacity, in accordance with Florida Administrative Code (FAC) Rule 17-2.600(6)(a).
9. The Steam Boiler must be tested for visible emissions at yearly intervals from the date of December 18, 1987, in accordance with Rule 17-2.700(6)(b)9, (DER Method #9) F.A.C.

PERMITTEE:  
Silver Springs Citrus Cooperative  
  
Attention: Bill C. Youngblood  
Executive Vice President

I. D. Number:  
Permit/Certification Number:  
A035-144706  
Date of Issue:  
Expiration Date: 3/01/93

SPECIFIC CONDITIONS:

10. This office (Florida Department of Environmental Regulation, Air Permitting, Orlando) shall be notified at least fifteen (15) days in advance of the compliance tests so that we can witness them (Rule 17-2.700(2)(a)5, F.A.C.).
11. This plant is required to operate within 10 percent of permitted capacity during the compliance tests.
12. The required test report shall be filed with the department as soon as practical but no later than 45 days after the last sampling run of each test is completed (Rule 17-2.700(7)(a),(b) and (c), F.A.C.).
13. Each calendar year on or before March 1, submit for this facility, an Annual Operations Report DER Form 17-1.202(6) for the preceding calendar year in accordance with Rule 17-4.14, F.A.C.
14. An operation permit renewal must be submitted at least 60 days prior to the expiration date of this permit (Rule 17-4.09, F.A.C.).

ISSUED 34 ff

STATE OF FLORIDA DEPARTMENT  
OF ENVIRONMENTAL REGULATION

*cme*  
*Wally Aik*  
A. Alexander  
District Manager  
3319 Maguire Boulevard  
Suite 232  
Orlando, Florida 32803  
(305) 894-7555

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:  
Silver Spring Citrus  
Cooperative  
P.O. Box 1046  
Winter Garden, Florida 32787

Permit Number: AC 35-137634  
Expiration Date: December 31, 1987  
County: Lake  
Latitude/Longitude: 28° 42' 52"N.  
81° 46' 37"W  
Project: Boiler 750 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 750 HP steam boiler.

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 August 4, 1987.

PERMITTEE:  
Silver Springs Citrus  
Cooperative.

Permit Number: AC 35-137634  
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. The boiler shall be fired exclusively by natural gas except for periods of natural gas curtailment during which No. 6 fuel oil may be fired.

2. The sulfur content of the No. 6 fuel oil burned in the steam boiler during natural gas curtailment shall not exceed 1.0 percent by weight. The fuel analysis of the oil used shall be recorded daily and these records shall be kept for a minimum of two years for regulatory agency inspection. The appropriate ASTM method shall be used to determine the fuel oil sulfur content.

PERMITTEE:  
Silver Springs Citrus  
Cooperative

Permit Number: AC 35-137634  
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. The natural gas consumption in this steam boiler shall not exceed 32 million BTU/hr. If fuel oil is to be fired in this boiler for more than 600 hours in any twelve month period, a modification of this permit shall be required before commencing operation on fuel oil.
5. Visible emissions shall not be greater than 20% opacity, in accordance with Florida Administrative Code (FAC) Rule 17-2.600(6)(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 19 day of Nov., 1987

STATE OF FLORIDA DEPARTMENT OF  
ENVIRONMENTAL REGULATION

*for* Howard L. Rhodes  
Dale Twachtman, Secretary