

→ P 4/6

Check Sheet

Company Name: Coca-Cola Foods
Permit Number: AC 53-135943, AC 53135944
PSD Number:
County: Polk
Permit Engineer: Tom John
Others involved:

43 44

Application:

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

Intent:

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

Attachments:

5 APP. 6/3/87, DEP 7/17/87, C.C.F.'s 9/3/87, DEP 10/7/87, & 10/20/87

☐ Correspondence with:

- ☐ EPA
- ☐ Park Services
- ☐ County
- ☐ Other

☒ Proof of Publication DEP's response

☐ Petitions - (Related to extensions, hearings, etc.)

Final Determination:

- / ☒ Final Determination
- / ☒ Signed Permit
- / ☒ BACT Determination

Post Permit Correspondence:

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



602 McKean St.
Auburndale, Florida 33823

PM
31 Dec. 1987
Auburndale, FL

December 31, 1987

DER

JAN 6, 1988

BAQM

Florida Department of Environmental Regulation
Twin Towers Office Building
Attn: Mr. C.H. Fancy
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Dear Mr. Fancy:

Enclosed find a copy of the certification on proof of publication for the legal ads regarding the Cogeneration systems and boilers and duct burners for our facility in Auburndale (AC-53-135943 and AC-53-135944).

These legal ads were replacements for ads run earlier that were deemed inadequate due to typographical errors by the newspaper. The News Chief was supposed to provide you with certification of publication and I am submitting these copies just to be assured that you have been duly notified.

If there are any questions regarding the ads, please contact me. If there are no problems, then I assume that January 5th will be the last day for comment and that the permit processing will proceed as of that date.

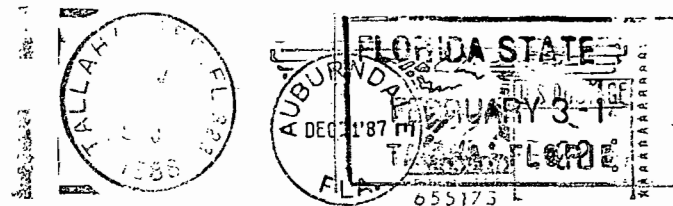
Sincerely,

Ted Hong
Manager, Environmental Control

cc: F. Darabi (JEA)



P. O. BOX 247
AUBURNDALE, FL 33823



Florida Dept. of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32399-2400
Attn: Mr. C. H. Fancy

PM
22 Dec. 1987
Hobbsland, JH

File Copy
43

AFFIDAVIT OF PUBLICATION
The News Chief

WINTER HAVEN, FLORIDA

Published Daily

WINTER HAVEN, POLK COUNTY, FLORIDA

DER

DEC 24 1987

BAQM

Case No. _____ Docket _____ Page No. _____

STATE OF FLORIDA
COUNTY OF POLK

Before the undersigned authority personally appeared

David E Bethel
....., who on oath says that he is
publisher
..... of The News Chief, a newspaper

published at Winter Haven, in Polk County, Florida; that the attached copy
of advertisement, being a Notice Of Intent

in the matter of A Permit To Coca Cola Foods To Construct Two
Cogeneration Systems At Their Existing Facility

FL Dept. Of Environmental Reuglation
in the Court, was published in said newspaper
in the issues of December 22, 1987

Affiant further says that The News Chief is a newspaper published at Winter Haven,
in said Polk County, Florida, and that said newspaper has heretofore been continuously
published in said Polk County, Florida, each week day, and has been entered as second
class matter at the past office in Winter Haven, in said Polk 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 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 said newspaper.

Signed
[Signature]

Sworn to and subscribed before me this 22nd day of

..... December A.D. 19 87
.....
[Signature]

Notary Public

My Commission Expires:

NOTARY PUBLIC STATE OF FLORIDA
MY COMMISSION EXP. OCT 12, 1990
BONDED THRU GENERAL INS. UND.



Copied: G Richardson, SW Dist.
John Reynolds } 12-28-87

State of Florida
Department of Environmental Regulation
Notice of Intent

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Coca Cola Foods to construct two cogeneration systems at their existing facility located at 602 McKean Street, Auburndale, Polk County, Florida. These cogeneration units will provide power for the facility and steam 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 the 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.

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:

DER Bureau of Air Quality Management
Twin Towers - 2600 Blair Stone Rd.
Tallahassee, Florida 32399-2400

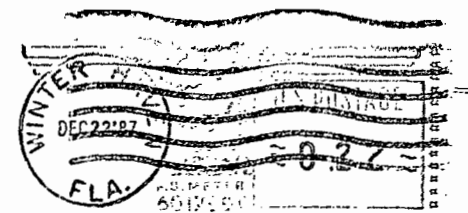
DER Southwest District
4520 Oak Fair Blvd
Tampa, Florida 33610-7347

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.
December 22, 1987 2678

30

The News Chief

650 SIXTH STREET, S.W.
POST OFFICE BOX 1440
WINTER HAVEN, FLA. 33882



DER Bureau Of Air Quality Management
Twin Towers - 2600 Blair Stone Rd.
Tallahassee, FL 32399-2400



PM
22 Dec. 1987
Rakeland, FL

File Copy
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The News Chief

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Published Daily

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any discount, rebate, commission, or refund for the purpose of securing this advertisement
for publication in said newspaper.

Signed *[Signature]*

Sworn to and subscribed before me this 22nd day of

..... December A.D. 1987
..... *[Signature]*

Notary Public

My Commission Expires:

NOTARY PUBLIC STATE OF FLORIDA
MY COMMISSION EXP. OCT 19, 1990
BONDED THRU GENERAL INS. UND.



Copied: G. Richardson, SW Dist }
John Reynolds } 12-28-87

State of Florida
Department of Environmental Regulation
Notice of Intent

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Coca Cola Foods to construct two duct burners and boilers at their existing facility located at 602 McKean Street, Auburndale, Polk County, Florida. These boilers will be used on a seasonal basis for citrus processing. A determination of best available control technology (BACT) was required.

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Twin Towers - 2600 Blair Stone Rd.
Tallahassee, Florida 32399-2400

DER Southwest District
4520 Oak Fair Blvd
Tampa, Florida 33610-7347

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.
December 22, 1987 2677

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. 2. ☐ Restricted Delivery.

3. Article Addressed to: Mr. James D. Folkerts Vice President - Manufacturing Coca Cola Foods P.O. Box 2079 Houston, TX 77252	4. Article Number P 274 010 461 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 Always obtain signature of addressee or agent and DATE DELIVERED.
5. Signature - Addressee X	8. Addressee's Address (ONLY if requested and fee paid)
6. Signature - Agent X	
7. Date of Delivery FEB 01 1988	

PS Form 3811, Feb. 1986

DOMESTIC RETURN RECEIPT

P 274 010 461
RECEIPT FOR CERTIFIED MAIL
 NO INSURANCE COVERAGE PROVIDED
 NOT FOR INTERNATIONAL MAIL
 (See Reverse)

PS Form 3800, June 1985

★ U.S.G.P.O. 1985-480-794

Mr. James D. Folkerts	
Coca-Cola Foods	
Street and No. P.O. Box 2079	
P.O., State and ZIP Code Houston, TX 77252	
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: 01/27/88 Permits: AC 53-135943 53-135944	

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. James D. Folkerts
Vice President - Manufacturing
Coca Cola Foods
Post Office Box 2079
Houston, Texas 77252

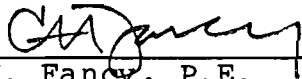
January 27, 1988

Enclosed are construction permits Nos. AC 53-135943 and AC 53-135944 to install two cogenerating systems with auxiliary burners at the facilities location in Auburndale, Polk County, Florida. These permits are issued pursuant to Section 403, Florida Statutes.

Any Party to these permit has the right to seek judicial review of the permits 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 these permits are 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:

G. Richardson, SW District
F. Darabi, P.E., Jones, Edmunds & Assoc.

Final Determination

Coca Cola Foods
Polk County
Auburndale, Florida

Permit No. AC 53-135943

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

January 19, 1988

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 News Chief, Winter Haven, on December 22, 1987. The Technical Evaluation and Preliminary Determination were available for public inspection at the DER's Southwest Florida District office in Tampa 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:
Coca Cola Foods
P. O. Box 2079
Houston, Texas 77252

Permit Number: AC 35-135943
Expiration Date: October 31, 1988
County: Polk
Latitude/Longitude: 28° 02' 35"N
31° 47' 57"W
Project: Two Cogeneration Systems

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:

For the construction of two cogeneration systems (turbine generators/waste heat boilers). This project will be located at the Coca Cola Food facility in Auburndale, Polk County, Florida. The UTM coordinates of this site are Zone 17, 421.6 E and 3103.7 N.

Construction shall be in accordance with the attached permit application, plans, documents, and drawings except as noted in the General Conditions/Specific Conditions of this permit.

Attachments:

1. Application to Construct Air Pollution Sources, DER Form 17-1.202(1) dated June 3, 1987.
2. Department's letter of July 17, 1987.
3. Coca-Cola Food's letters of September 3, 1987.
4. Department's letter of October 7, 1987.
5. Department's letter of October 20, 1987.

PERMITTEE:
Coca Cola Foods

Permit Number: AC 35-135943
Expiration Date: October 31, 1988.

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:
Coca Cola Foods

Permit Number: AC 35-135943
Expiration Date: October 31, 1988

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:
Coca Cola Foods

Permit Number: AC 35-135943
Expiration Date: October 31, 1988

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)
- (x) 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:
Coca Cola Foods

Permit Number: AC 35-135943
Expiration Date: October 31, 1988

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

2. The maximum emission rates for the two 49.95 MMBtu/hr cogeneration units during natural gas firing shall not exceed the limits required by 40 CFR 60, Subpart GG, Standards of Performance for Stationary Gas Turbines, as follows:

STD = $(0.0150(14.4/Y)+F)$ or 168 ppm NO_x and
150ppm SO₂ @ 15% O₂ (dry basis)

PERMITTEE:
Coca Cola Foods

Permit Number: AC 35-135943
Expiration Date: October 31, 1988

SPECIFIC CONDITIONS:

3. Each cogeneration system shall be allowed to operate at the maximum rate of 49.95 MMBtu/hr for 8322 hours per year.

4. Each turbine shall operate on natural gas at all times except during gas curtailment when No. 2 fuel oil may be used for up to 1,646 hours per year. NOx limits of Specific Condition No. 2 shall not be enforced when the turbines are operated on fuel oil.

5. Maximum sulfur (S) content in the No. 2 fuel oil shall not exceed 0.5 percent sulfur by weight.

6. No. 2 fuel oil consumption in each turbine shall not exceed 342 gals/hr.

7. Visible emissions shall not be greater than 15% opacity.

8. Before this construction permit expires, the 3550 KW combined cycle gas turbines shall be tested for visible emissions, sulfur dioxide, and nitrogen oxides and the results reported to the Department. The compliance tests shall be in accordance with the applicable provisions of Section 60.335 in Appendix A of 40 CFR 60 and FAC Rule 17-2.700:

- a. EPA Reference Method 20 for the concentration of nitrogen oxides and oxygen, with span value equal to 300 parts per million of nitrogen oxides. The nitrogen oxides emission level measured by EPA Reference Method 20 shall be adjusted to ISO standard day conditions by the appropriate correction factor as stated in 40 CFR 60.335 before being used to determine compliance, unless the turbine manufacturer provides an approved custom correction factor.
- b. EPA Reference Method 20 for the concentration of sulfur dioxide, or, the appropriate ASTM method for the sulfur content of fuels.
- c. DER Method 9, Visual Determination of Opacity of Emissions from Stationary Sources.

PERMITTEE:
Coca Cola Foods

Permit Number: AC 35-135943
Expiration Date: October 31, 1988

SPECIFIC CONDITIONS:

9. Test results shall be reported as the average of 3 valid runs. The Department shall be notified 15 days in advance of each compliance test. The tests shall be conducted at 90 to 100% of permitted capacity.

Issued this 21 day of Jan, 1988

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION



Dale Twachtman, Secretary

Best Available Control Technology (BACT) Determination
Coca-Cola Foods
Polk County

The applicant plans to install two waste heat process steam boilers at their facility in Auburndale, Florida in conjunction with two natural gas-fired turbine generators. Each unit will exhaust through its own single stack. The turbines will fire only natural gas except for periods of natural gas curtailment during which diesel fuel may be fired for up to 1646 hours in any 12 month period.

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

BACT Determination Request by the Applicant:

Use of high efficiency burners fired by natural gas constitutes the best available technology for this project. The applicant requested that diesel fuel with a sulfur content up to 1.0 percent be used in case of natural gas curtailment.

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 diesel fuel having a sulfur content not to exceed 0.5 percent, by weight, may be fired for up to 1646 hours in any 12 month period.

Visible Emissions

Not to exceed 15 percent opacity.

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


BACT Determination Rationale:

Sulfur in fuel is a primary air pollution concern. Most of the sulfur becomes SO₂ when the fuel is burned. Particulate emissions from fuel burning are related to the sulfur content of the fuel. The Department agrees with the applicant's proposal that the firing of natural gas is BACT for the turbines. However, the diesel fuel oil sulfur content proposed by the applicant does not constitute BACT. A review of BACT determinations made for similar proposals indicates that the allowable sulfur content for diesel fuel oil has been limited to 0.5 percent.

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 Blairstone Road
Tallahassee, Florida 32399-2400

Recommended by:



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

1/19/88
Date

Approved by:


Dale Twachtmann, Secretary

21 Jan 88
Date

Final Determination

Coca Cola Foods
Polk County
Auburndale, Florida

Permit No. AC 53-135944

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

January 19, 1988

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 News Chief, Winter Haven, on December 22, 1987. The Technical Evaluation and Preliminary Determination were available for public inspection at the DER's Southwest Florida District office in Tampa 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.

AFFIDAVIT OF PUBLICATION

The News Chief

WINTER HAVEN, FLORIDA

Published Daily

WINTER HAVEN, POLK COUNTY, FLORIDA

DER

DEC 24 1987

BAQM

Case No. _____ Docket _____ Page No. _____

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COUNTY OF POLK

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 for publication in said newspaper.

Signed

Sworn to and subscribed before me this 22nd day of

..... December A.D. 19 87

..... Alice R. Bluffitt

Notary Publ.

My Commission Expires:

NOTARY PUBLIC STATE OF FLORIDA
 MY COMMISSION EXPIRES SEP. 15, 1989
 FANCY TRAY SERVICE INC. INC.

Copied: G Richardson, SW Dist. }
 John Reynolds } 12-28 87

State of Florida
Department of Environmental Regulation
Notice of Intent

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Coca Cola Foods to construct two cogeneration systems at their existing facility located at 602 McKean Street, Auburndale, Polk County, Florida. These cogeneration units will provide power for the facility and steam 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 20-6, Florida Administrative Code, and must be filed (received) in the Department's Office of the 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 28-6.207, Florida Administrative Code, at least five (5) days before the final hearing and be filed with the hearing officer if one has been assigned to 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.

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, etc.

DER Bureau of Air Quality Management
 Twin Towers - 2600 Blair Stone Rd.
 Tallahassee, Florida 32399-2400

DER Southwest District
 4520 Oak Fair Blvd
 Tampa, Florida 33610-7347

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.
 December 22, 1987 - 2278

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 News Chief, Winter Haven, on December 22, 1987. The Technical Evaluation and Preliminary Determination were available for public inspection at the DER's Southwest Florida District office in Tampa 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:
Coca Cola Foods
P. O. Box 2079
Houston, Texas 77252

Permit Number: AC 35-135944
Expiration Date: October 31, 1988
County: Polk
Latitude/Longitude: 28° 02' 35"N
31° 47' 57"W
Project: Two Boilers/Duct Burners

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:

For the construction of two boilers/duct burners to generate auxiliary steam in tandem with two cogeneration units. This project will be located at the Coca Cola Food facility in Auburndale, Polk County, Florida. The UTM coordinates of this site are Zone 17, 421.6 E and 3103.7 N.

Construction shall be in accordance with the attached permit application, plans, documents, and drawings except as noted in the General Conditions/Specific Conditions of this permit.

Attachments:

1. Application to Construct Air Pollution Sources, DER Form 17-1.202(1) dated June 3, 1987.
2. Department's letter of July 17, 1987.
3. Coca-Cola Food's letters of September 3, 1987.
4. Department's letter of October 7, 1987.
5. Department's letter of October 20, 1987.

PERMITTEE:
Coca Cola Foods

Permit Number: AC 35-135944
Expiration Date: October 31, 1988

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:
Coca Cola Foods

Permit Number: AC 35-135944
Expiration Date: October 31, 1988

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:
Coca Cola Foods

Permit Number: AC 35-135944
Expiration Date: October 31, 1988

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:
Coca Cola Foods

Permit Number: AC 35-135944
Expiration Date: October 31, 1988

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. The construction and operation 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 15% opacity and compliance shall be demonstrated at 90-100% of permitted capacity using DER Method 9 in accordance with FAC Rule 17-2.700.
3. The No. 1 duct burner shall be allowed to operate at 1695 SCFM on natural gas for up to 4000 hours per year and during gas curtailment for up to 600 hours per year on No. 6 fuel oil at 10.2 GPM. The No. 2 duct burner shall operate for up to 4000 hours per year and only on natural gas at up to 525 SCFM.

PERMITTEE:
Coca Cola Foods

Permit Number: AC 35-135944
Expiration Date: October 31, 1988

SPECIFIC CONDITIONS:

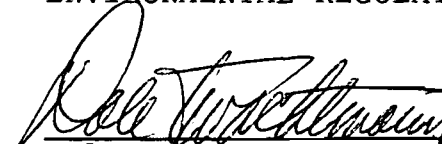
4. The sulfur content of the No. 6 fuel oil burned in the No. 1 duct burner shall not exceed 1.5 percent by weight. The fuel analysis of the oil used shall be recorded daily and these records shall be kept for a minimum of two years for regulatory agency inspection. The appropriate ASTM method shall be used to determine the fuel oil sulfur content.

5. The compliance tests shall be conducted and the results reported to the Department before this construction permit expires. The Department shall be notified 15 days in advance of the tests.

6. The existing No. 1 and No. 2 boilers will remain for standby use only and will cease operation prior to the startup of the new boilers and duct burners.

Issued this 21 day of Jan., 1988

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION


Dale Twachtmann, Secretary

Best Available Control Technology (BACT) Determination
Coca-Cola Foods
Polk County

The applicant plans to install two waste heat process steam boilers at their facility in Auburndale, Florida, in conjunction with two natural gas-fired turbine generators. Each unit will exhaust through its own single stack. The turbines will fire only natural gas except for periods of natural gas curtailment during which diesel fuel may be fired for up to 1646 hours in any 12 month period (see AC 53-135943). The applicant also plans to install auxiliary gas-fired burners in the two waste heat boiler ducts to generate additional steam. This BACT determination is addressed only to the auxiliary duct burners. The burners will fire only natural gas except during curtailment when No. 6 fuel oil may be fired for up to 600 hours per year.

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

BACT Determination Requested by the Applicant:

Use of high efficiency burners fired by natural gas constitutes the best available technology for this project. The applicant requested that No. 6 fuel oil with a sulfur content of up to 2.4 percent be used in case of natural gas curtailment for the auxiliary duct burners.

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 1.5 percent, by weight, may be fired for up to 600 hours in any 12 month period.

Visible Emissions

Not to exceed 15 percent opacity.

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

BACT Determination Rationale:

Sulfur in fuel is a primary air pollution concern. Most of the sulfur becomes SO₂ when the fuel is burned. Particulate emissions from fuel burning are related to the sulfur content of the fuel. The Department agrees with the applicant's proposal that the firing of natural gas is BACT for the auxiliary duct burners. However, the No. 6 fuel oil sulfur content proposed by the applicant does not constitute BACT. A review of BACT determinations made for similar proposals indicates that a No. 6 fuel oil sulfur content not to exceed 1.5 percent is generally deemed as BACT based on cost/benefit analyses.

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 Blainstone Road
Tallahassee, Florida 32399-2400

Recommended by:



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

1/19/88

Date

Approved by:


Dale Twachtman, Secretary

21 Jan 88

Date

State of Florida
DEPARTMENT OF ENVIRONMENTAL REGULATION



Interoffice Memorandum

TO: Dale Twachtmann
THRU: Howard Rhodes
FROM: Clair Fancy
DATE: January 19, 1988

SUBJ: Approval of Construction Permit Nos. AC 53-135943 and
AC 53-135944, Coca Cola Foods

For Routing To Other Than The Addressee

To	Location
To	Location
To	Location
From	Date

DER

JAN 22

BAQM

Attached for your approval and signature are construction permits to install two cogenerating systems with auxiliary burners at Coca Cola Foods' Auburndale facility. No comments were received during the public notice period.

Day 90 after which this permit will be issued by default is February 19, 1988.

The Bureau recommends approval and signature.

CHF/JR/s

attachment

DER

JAN 27

BAQM

RECEIVED
JAN 20, 1988

Office of the Secretary

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

December 23, 1987

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

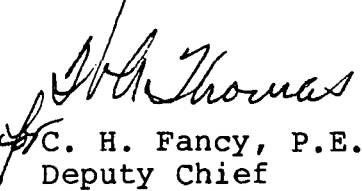
Mr. Ted Hong, Manager
Environmental Control
Coca-Cola Foods
602 McKean Street
Auburndale, Florida 33823

Dear Mr. Hong:

We have received your proof of publication for construction permits AC 53-135943 and AC 53-135944. After reviewing and comparing the Notices of Intent with the copies that were forwarded to your company for publication, it has been determined that the Notices will have to be republished as they do not appear as they were issued. The 90-day permit processing clock will not resume until we receive copies of the readvertised Notices of Intent as they were 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.

P 274 007 614

RECEIPT FOR CERTIFIED MAIL

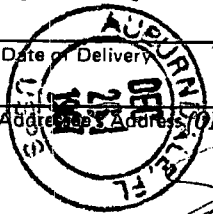
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL

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

PS Form 3800, June 1985

(See Reverse) Mr. Ted Hong, Manager Sent to Coca-Cola Foods	
Street and No. 602 McKean Street	
P.O., State and ZIP Code Auburndale, FL 33823	
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: 12/23/87 Permits: AC 53-135943 & -135944	

PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 3 and 4. Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. <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.	
1. <input checked="" type="checkbox"/> Show to whom, date and address of delivery. 2. <input type="checkbox"/> Restricted Delivery.	
3. Article Addressed to: Mr. Ted Hong, Manager Environmental Control Coca-Cola Foods 602 McKean Street Auburndale, FL 33823	
4. 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	Article Number P 274 007 614
Always obtain signature of addressee or agent and DATE DELIVERED.	
5. Signature - Addressee X <i>Paul P. Walker</i>	
6. Signature - Agent X	
7. Date of Delivery 	
8. Addressee's Address (ONLY if requested and fee paid)	

DOMESTIC RETURN RECEIPT

813-967-6611



602 McKean St.
Auburndale, Florida 33823

December 9, 1987

DER Bureau of Air Quality Management
Twin Towers Office Bldg.
2600 Blair Stone Road
Tallahassee, FL 32399-2400

Re: Permits for Cogeneration - Auburndale

Gentlemen:

Enclosed find an original notarized affidavit of publication for two "Notice of Intent" regarding permits for the Cogeneration System and the boilers at our facility in Auburndale, Florida.

As noted in the affidavits, the date of publication listed is December 3, 1987. The comment period should terminate on December 17, 1987. It would be appreciated if the Department could expedite issuance of the permits following completion of the comment period.

We trust that forwarding of these affidavits fulfills our responsibilities regarding publication.

Sincerely,

Ted Hong
Mgr. Environmental Control

cc: DER Southwest District
4520 Oak Fair Blvd.
Tampa, FL 33610-7347

DER

DEC 11 1987

BAQM

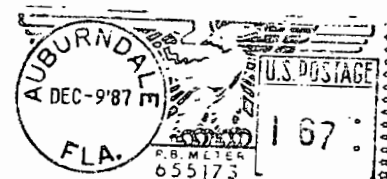


P. O. BOX 247
AUBURNDALE, FL 33823

CERTIFIED 190

RETURN RECEIPT
REQUESTED

DER Bureau of Air Quality Management
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, FL 32399-2400



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

December 3, 1987 2678

AFFIDAVIT OF PUBLICATION

The News Chief

WINTER HAVEN, FLORIDA

Published Daily

WINTER HAVEN, POLK COUNTY, FLORIDA

DER

DEC 11 1987

BAQM

Case No. _____ Docket _____ Page No. _____

STATE OF FLORIDA
COUNTY OF POLK

Before the undersigned authority personally appeared
David E Bethel , who on oath says that he is
publisher of The News Chief, a newspaper
published at Winter Haven, in Polk County, Florida; that the attached copy
of advertisement, being a Notice Of Intent
in the matter of A Permit To Coca Cola Foods To Construct Two
Duct Burners & Boilers At Their Existing Facility
FL Dept. Of Environmental Regulation
in the Court, was published in said newspaper
in the issues of December 3, 1987

Affiant further says that The News Chief is a newspaper published at Winter Haven,
in said Polk County, Florida, and that said newspaper has heretofore been continuously
published in said Polk County, Florida, each week day, and has been entered as second
class matter at the post office in Winter Haven, in said Polk 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 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 said newspaper.

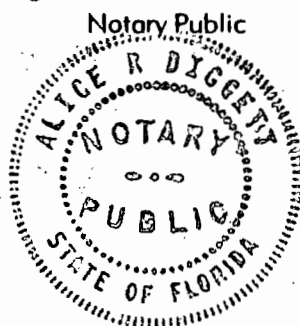
Signed
[Signature]

Sworn to and subscribed before me this 3rd day of

December A.D. 19 87
[Signature]

My Commission Expires:

NOTARY PUBLIC STATE OF FLORIDA
MY COMMISSION EXP. OCT 19, 1990
BONDED THRU GENERAL INS. UND.



State of Florida
Department of Environmental Regulation
Notice of Intent

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Coca Cola Foods to construct two duct burners and oilers at their existing facility located at 602 McKean Street, Auburndale, Polk County, Florida. These boilers 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 the 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 administration 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.

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:

DER Bureau of Air Quality Management
Twin Towers - 2600 Blair Stone Rd.
Tallahassee, Florida 32399-2400.

DER Southwest District
4520 Oak Fair Blvd
Tampa, Florida 33610-7347

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.
December 3, 1987 2677

P 274 007 642

RECEIPT FOR CERTIFIED MAIL

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

★ U.S.G.P.O. 1985-480-794 PS Form 3811, July 1983 447-845 PS Form 3800, June 1985	Mr. to James D. Folkerts	
	Coca-Cola Foods	
	P.O. Box 2079	
	P.O., State and ZIP Code	
	Houston, TX 77252	
	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: 12/3/87		
Permits: AC 53-135943 & 53-135944		

● **SENDER: Complete items 1, 2, 3 and 4.**

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

- ☒ Show to whom, date and address of delivery.
- ☐ Restricted Delivery.

3. Article Addressed to:
Mr. James D. Folkerts
Vice President - Manufacturing
Coca Cola Foods
P.O. Box 2079
Houston, TX 77252

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	P 274 007 642

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee

X

6. Signature - Agent

X

7. Date of Delivery

12/3/87

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

PS Form 3811, July 1983 447-845

DOMESTIC RETURN RECEIPT

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB MARTINEZ
GOVERNOR
DALE TWACHTMANN
SECRETARY

December 3, 1987

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. James D. Folkerts
Vice President - Manufacturing
Coca-Cola Foods
Post Office Box 2079
Houston, Texas 77252

Dear Mr. Folkerts:

Attached you will find a copy of the Technical Evaluation and Preliminary Determination for permits AC 53-135943 and AC 53-135944, for the proposed construction of two cogeneration systems (turbine generators/waste heat boilers) and two boilers/duct burners to generate auxiliary steam in tandem with the two cogeneration units, respectively. The proposed construction will take place at the existing Coca-Cola facility located in Auburndale, Polk County, Florida.

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

Sincerely,

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

CHF/bm

Attachments

cc: G. Richardson, SW Dist.
F. Darabi, P.E., Jones, Edmunds & Assoc.

State of Florida
Department of Environmental Regulation
Notice of Intent

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Coca Cola Foods to construct two cogeneration systems at their existing facility located at 602 McKean Street, Auburndale, Polk County, Florida. -These cogeneration units will provide power for the facility and steam 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.

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:

DER Bureau of Air Quality Management
Twin Towers - 2600 Blair Stone Rd.
Tallahassee, Florida 32399-2400

DER Southwest District
4520 Oak Fair Blvd.
Tampa, Florida 33610-7347

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:

Coca Cola Foods
Post Office Box 2079
Houston, Texas 77252

DER File No. AC 53-135943

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, Coca Cola Foods applied on June 19, 1987, to the Department of Environmental Regulation for a permit to construct two cogeneration systems at their existing facility in Auburndale, Polk 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:

G. Richardson - SW 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 12/3/87.

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.

Judy Rogers
Clerk

12/3/87
Date

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

In the Matter of
Application for Permit by:

Coca Cola Foods
Post Office Box 2079
Houston, Texas 77252

DER File No. AC 53-135944

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, Coca Cola Foods applied on June 19, 1987, to the Department of Environmental Regulation for a permit to construct two duct burners and boilers at their existing facility in Auburndale, Polk 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.

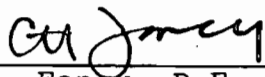
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the notice. Failure to publish the notice and provide proof of publication within the allotted time may result in the denial of the permit.

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:

G. Richardson - SW 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 12/3/87.

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.

Judy Rogers
Clerk

12/3/87
Date

Technical Evaluation
and
Preliminary Determination

Coca-Cola Foods
Auburndale, Florida
Polk County

Cogeneration Systems
Proposed Permit No. AC 53-135943

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

December 3, 1987

I. Application Information

A. Applicant

Coca-Cola Foods
P. O. Box 2079
Houston, Texas 77252

B. Request

An application for a permit to construct two cogeneration systems at Coca-Cola's Auburndale, Florida, facility was received on June 19, 1987. Additional information was requested on July 17, 1987, and most of this was received by October 19, 1987, making the application complete enough for processing. Although the information submitted in the original application had to be recalculated, the Department elected to proceed with this evaluation and preliminary determination.

C. Project Location

The cogeneration project will be located near McKean Street and Derby Avenue in Auburndale, Florida. The UTM coordinates of the site are: Zone 17, 421.6 km E and 3103.7 km N. Latitude of the site is 28°02'35" N while longitude is 81°47'57" W.

II. Project Description

The project involves the installation of two turbine-generator/waste heat boiler sets to generate base-load power and to provide steam for citrus processing. The two cogeneration sets will be installed as separate units, each exhausting through its own single stack. Each unit will operate year-round (8322 hours) to cogenerate 23,000 pounds per hour (PPH) of steam and 3550 KW by burning 800 standard cubic feet per minute (SCFM) of natural gas or 5.7 gallons per minute (GPM) of diesel fuel when natural gas is not available.

III. Emissions

According to test data submitted by the turbine manufacturer, the only significant emissions during natural gas firing of the turbines are nitrogen oxides (NOx) equal to 27.3 PPH or 113.6 tons per year (TPY) for each turbine. The NOx emission level of 227.2 TPY is below the 250 TPY level at which Prevention of Significant Deterioration (PSD) regulations would apply under FAC Rule 17-2.500(2)(d)2.a.

The only significant air pollutant emitted during standby diesel fuel operation is sulfur dioxide (SO₂). Emissions of SO₂ are almost entirely dependent upon sulfur content of the fuel.

Using the boiler emission factor of 142(S) from AP-42, SO₂ emissions from full-time firing of diesel fuel containing 0.5% sulfur would be approximately 24.3 PPH or 100 TPY for each turbine. Although it is unlikely that emergency diesel fuel would be required for extended periods, the hours of operation on diesel fuel must be limited to the extent necessary to avoid a significant increase in SO₂ emissions. This limit is 1646 hours of operation on diesel fuel per year for each turbine.

IV. Rule Applicability

Coca-Cola's permit application is subject to preconstruction review under provisions of Chapters 17-2 and 17-4, FAC. The source is located in an attainment area for NO_x and SO₂. The turbines do not have the potential to emit more than 250 TPY of NO_x, therefore, the proposed installation is minor with respect to the PSD regulations in FAC Rule 17-2.500. The facility classification (SIC) is Major Group 20, Food and Kindred Products, Group 203, Industry 2037.

Since the facility category is not listed in Table 500-1, Major Facility Categories, and since the sum of the potential emissions is less than 250 TPY, the proposed project is not subject to PSD requirements as set forth in FAC Rule 17-2.500(2)(d)2.a. and 2.b. FAC Rule 17-2.520, Sources Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements, is applicable for this installation. The Department finds that the proposed construction will not interfere with attainment of ambient air quality standards.

The project is subject to the federal new source performance standards set forth in 40 CFR 60, Subpart GG, Standards of Performance for Stationary Gas Turbines, adopted by the Department under FAC Rule 17-2.660(2)(a). According to the provisions of 40 CFR 60.332(a)(2) and 40 CFR 60.333, the maximum exhaust concentrations during gas firing shall be 168 ppm for NO_x and 150 ppm for SO₂. The new source standard does not provide for mass emission limits. Also, Section 60.332(K) provides an exemption from enforcement of the NO_x standard while firing an emergency fuel.

The provisions of FAC Rule 17-2.600(6) apply to the waste heat boilers, therefore, a Best Available Control Technology (BACT) determination for particulate matter and SO₂ is required.

V. Conclusion

The Department intends to issue a permit for the proposed construction which will ensure compliance with all applicable air pollution regulations.

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:
Coca Cola Foods
P. O. Box 2079
Houston, Texas 77252

Permit Number: AC 35-135943
Expiration Date: October 31, 1988
County: Polk
Latitude/Longitude: 28° 02' 35"N
31° 47' 57"W
Project: Two Cogeneration Systems

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:

For the construction of two cogeneration systems (turbine generators/waste heat boilers). This project will be located at the Coca Cola Food facility in Auburndale, Polk County, Florida. The UTM coordinates of this site are Zone 17, 421.6 E and 3103.7 N.

Construction shall be in accordance with the attached permit application, plans, documents, and drawings except as noted in the General Conditions/Specific Conditions of this permit.

Attachments:

1. Application to Construct Air Pollution Sources, DER Form 17-1.202(1) dated June 3, 1987.
2. Department's letter of July 17, 1987.
3. Coca-Cola Food's letters of September 3, 1987.
4. Department's letter of October 7, 1987.
5. Department's letter of October 20, 1987.

PERMITTEE:
Coca Cola Foods

Permit Number: AC 35-135943
Expiration Date: October 31, 1988

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:
Coca Cola Foods

Permit Number: AC 35-135943
Expiration Date: October 31, 1988

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:
Coca Cola Foods

Permit Number: AC 35-135943
Expiration Date: October 31, 1988

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)
- (x) 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:
Coca Cola Foods

Permit Number: AC 35-135943
Expiration Date: October 31, 1988

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. The construction and operation during the period of this permit shall be in accordance with the capacities and specifications stated in the application.
2. The maximum emission rates for the two 49.95 MMBtu/hr cogeneration units during natural gas firing shall not exceed the limits required by 40 CFR 60, Subpart GG, Standards of Performance for Stationary Gas Turbines, as follows:

STD = $(0.0150(14.4/Y)+F)$ or 168 ppm NO_x and
150ppm SO₂ @ 15% O₂ (dry basis)

PERMITTEE:
Coca Cola Foods

Permit Number: AC 35-135943
Expiration Date: October 31, 1988

SPECIFIC CONDITIONS:

3. Each cogeneration system shall be allowed to operate at the maximum rate of 49.95 MMBtu/hr for 8322 hours per year.

4. Each turbine shall operate on natural gas at all times except during gas curtailment when No. 2 fuel oil may be used for up to 1,646 hours per year. NOx limits of Specific Condition No. 2 shall not be enforced when the turbines are operated on fuel oil.

5. Maximum sulfur (S) content in the No. 2 fuel oil shall not exceed 0.5 percent sulfur by weight.

6. No. 2 fuel oil consumption in each turbine shall not exceed 342 gals/hr.

7. Visible emissions shall not be greater than 15% opacity.

8. Before this construction permit expires, the 3550 KW combined cycle gas turbines shall be tested for visible emissions, sulfur dioxide, and nitrogen oxides and the results reported to the Department. The compliance tests shall be in accordance with the applicable provisions of Section 60.335 in Appendix A of 40 CFR 60 and FAC Rule 17-2.700:

- a. EPA Reference Method 20 for the concentration of nitrogen oxides and oxygen, with span valve equal to 300 parts per million of nitrogen oxides. The nitrogen oxides emission level measured by EPA Reference Method 20 shall be adjusted to ISO standard day conditions by the appropriate correction factor as stated in 40 CFR 60.335 before being used to determine compliance, unless the turbine manufacturer provides an approved custom correction factor.
- b. EPA Reference Method 20 for the concentration of sulfur dioxide, or, the appropriate ASTM method for the sulfur content of fuels.
- c. DER Method 9, Visual Determination of Opacity of Emissions from Stationary Sources.

PERMITTEE:
Coca Cola Foods

Permit Number: AC 35-135943
Expiration Date: October 31, 1988

SPECIFIC CONDITIONS:

9. Test results shall be reported as the average of 3 valid runs. The Department shall be notified 15 days in advance of each compliance test. The tests shall be conducted at 90 to 100% of permitted capacity.

Issued this _____ day of _____, 19____

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION

Dale Twachtman, Secretary

Best Available Control Technology (BACT) Determination
Coca-Cola Foods
Polk County

The applicant plans to install two waste heat process steam boilers at their facility in Auburndale, Florida in conjunction with two natural gas-fired turbine generators. Each unit will exhaust through its own single stack. The turbines will fire only natural gas except for periods of natural gas curtailment during which diesel fuel may be fired for up to 1646 hours in any 12 month period.

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

BACT Determination Request by the Applicant:

Use of high efficiency burners fired by natural gas constitutes the best available technology for this project. The applicant requested that diesel fuel with a sulfur content up to 1.0 percent be used in case of natural gas curtailment.

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 diesel fuel having a sulfur content not to exceed 0.5 percent, by weight, may be fired for up to 1646 hours in any 12 month period.

Visible Emissions	Not to exceed 15 percent opacity.
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DER Method 9 (17-2.700(6)(a)9, FAC) will be used to determine compliance with the opacity standard.

BACT Determination Rationale:

Sulfur in fuel is a primary air pollution concern. Most of the sulfur becomes SO₂ when the fuel is burned. Particulate emissions from fuel burning are related to the sulfur content of the fuel. The Department agrees with the applicant's proposal that the firing of natural gas is BACT for the turbines. However, the diesel fuel oil sulfur content proposed by the applicant does not constitute BACT. A review of BACT determinations made for similar proposals indicates that the allowable sulfur content for diesel fuel oil has been limited to 0.5 percent.

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 Blairstone Road
Tallahassee, Florida 32399-2400

Recommended by:

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

Date

Approved by:

Dale Twachtman, Secretary

Date

State of Florida
Department of Environmental Regulation
Notice of Intent

The Department of Environmental Regulation hereby gives notice of its intent to issue a permit to Coca Cola Foods to construct two duct burners and boilers at their existing facility located at 602 McKean Street, Auburndale, Polk County, Florida. These boilers 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.

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:

DER Bureau of Air Quality Management
Twin Towers - 2600 Blair Stone Rd.
Tallahassee, Florida 32399-2400

DER Southwest District
4520 Oak Fair Blvd.
Tampa, Florida 33610-7347

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

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

28-5.15 Requests for Formal and Informal Proceedings

- (1) Requests for proceedings shall be made by petition to the agency involved. Each petition shall be printed, typewritten or otherwise duplicated in legible form on white paper of standard legal size. Unless printed, the impression shall be on one side of the paper only and lines shall be double spaced and indented.
- (2) All petitions filed under these rules should contain:
 - (a) The name and address of each agency affected and each agency's file or identification number, if known;
 - (b) The name and address of the petitioner or petitioners;
 - (c) All disputed issues of material fact. If there are none, the petition must so indicate;
 - (d) A concise statement of the ultimate facts alleged, and the rules, regulations and constitutional provisions which entitle the petitioner to relief;
 - (e) A statement summarizing any informal action taken to resolve the issues, and the results of that action;
 - (f) A demand for the relief to which the petitioner deems himself entitled; and
 - (g) Such other information which the petitioner contends is material.

Technical Evaluation
and
Preliminary Determination

Coca-Cola Foods
Auburndale, Florida
Polk County

Boilers/Duct Burners
Proposed Permit No. AC 53-135944

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

December 3, 1987

I. Application Information

A. Applicant

Coca-Cola Foods
P. O. Box 2079
Houston, Texas 77252

B. Request

On June 19, 1987, the Department received an application to install duct burners along with additional boiler capacity for auxiliary steam production in conjunction with a cogeneration project at Coca-Cola's Auburndale, Florida, facility. Additional information was requested on July 17, 1987, and most of this was received by October 19, 1987. Assumptions were made for certain items allowing the Department to evaluate the application.

C. Project Location

The construction project will be located near McKean Street and Derby Avenue in Auburndale, Florida. The UTM coordinates of the site are: Zone 17, 421.6 km E and 3103.7 km N. Latitude of the site is 28°02'35" N while longitude is 31°47'57" W.

II. Project Description

In connection with the cogeneration project, the applicant proposes to generate additional steam by installing gas-fired burners in the ducts of the two cogeneration boilers. The duct burners will replace two existing gas-fired boilers that are used primarily during the fruit season (approximately 5000 hours per year). The two existing boilers have a combined rated steam capacity of about 114,000 pounds per hour (PPH) which is equivalent to the design capacity of the new gas-fired duct burners and auxiliary boilers. However, the new duct burners will operate only 4000 hours per year compared to 5000 hours for the existing boilers. During peak demand periods, the new duct burners will fire up to 124.9 MMBtu/hr or 2,220 SCFM of natural gas to generate up to 114,000 PPH of 240 psig saturated steam. The existing boilers will be placed on inactive status and will not be operated. Only in a gas curtailment situation will the larger boiler be allowed to use No. 6 fuel oil, and only for a maximum of 600 hours in any one year. The burner installed in the smaller boiler duct will not be equipped to burn any alternate fuel.

III. Emissions

Since the rated steam capacity of the duct burner and auxiliary boiler system will be the same as that of the existing

boilers, but operated at a higher efficiency and for fewer hours per year, the emissions will be substantially less than the currently permitted level. The AP-42 emission factor of 140 pounds per million cubic feet of gas shows that NOx emissions from the existing boilers are in the range of 47 TPY based on 5000 hours of operation. The new duct burners, operating at higher efficiency and for only 4000 hours per year, will emit about 37 TPY of NOx yielding a reduction of about 10 TPY in total NOx emissions.

IV. Rule Applicability

The application is subject to preconstruction review under provisions of Chapters 17-2 and 17-4, FAC. The facility classification (SIC) is Major Group 20, Food and Kindred Products, Group 203, Industry 2037. The source is located in an area designated as attainment for applicable regulated air pollutants. Since the source is minor with respect to the provisions of FAC Rule 17-2.500 and since there will be no increase in emissions due to the contemporaneous shutdown of existing boilers, the project is not subject to the Prevention of Significant Deterioration (PSD) regulations set forth in FAC Rule 17-2.500. FAC Rule 17-2.520, Sources Not Subject to Prevention of Significant Deterioration or Nonattainment Requirements will apply to this project as will FAC Rule 17-2.600(6), Fossil Fuel Steam Generators with less than 250 million Btu per hour heat input, new and existing sources.

The provisions of FAC Rule 17-2.600(6) apply to the auxiliary steam production, therefore, a Best Available Control Technology (BACT) determination for particulate matter and SO₂ is required.

V. Conclusion

The Department intends to issue a permit for the proposed construction which will ensure compliance with all applicable air pollution regulations.

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:
Coca Cola Foods
P. O. Box 2079
Houston, Texas 77252

Permit Number: AC 35-135944
Expiration Date: October 31, 1988
County: Polk
Latitude/Longitude: 28° 02' 35"N
31° 47' 57"W
Project: Two Boilers/Duct Burners

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:

For the construction of two boilers/duct burners to generate auxiliary steam in tandem with two cogeneration units. This project will be located at the Coca Cola Food facility in Auburndale, Polk County, Florida. The UTM coordinates of this site are Zone 17, 421.6 E and 3103.7 N.

Construction shall be in accordance with the attached permit application, plans, documents, and drawings except as noted in the General Conditions/Specific Conditions of this permit.

Attachments:

1. Application to Construct Air Pollution Sources, DER Form 17-1.202(1) dated June 3, 1987.
2. Department's letter of July 17, 1987.
3. Coca-Cola Food's letters of September 3, 1987.
4. Department's letter of October 7, 1987.
5. Department's letter of October 20, 1987.

PERMITTEE:
Coca Cola Foods

Permit Number: AC 35-135944
Expiration Date: October 31, 1988

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:
Coca Cola Foods

Permit Number: AC 35-135944
Expiration Date: October 31, 1988

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:
Coca Cola Foods

Permit Number: AC 35-135944
Expiration Date: October 31, 1988

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:
Coca Cola Foods

Permit Number: AC 35-135944
Expiration Date: October 31, 1988

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. The construction and operation 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 15% opacity and compliance shall be demonstrated at 90-100% of permitted capacity using DER Method 9 in accordance with FAC Rule 17-2.700.

3. The No. 1 duct burner shall be allowed to operate at 1695 SCFM on natural gas for up to 4000 hours per year and during gas curtailment for up to 600 hours per year on No. 6 fuel oil at 10.2 GPM. The No. 2 duct burner shall operate for up to 4000 hours per year and only on natural gas at up to 525 SCFM.

PERMITTEE:
Coca Cola Foods

Permit Number: AC 35-135944
Expiration Date: October 31, 1988

SPECIFIC CONDITIONS:

4. The sulfur content of the No. 6 fuel oil burned in the No. 1 duct burner shall not exceed 1.5 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.

5. The compliance tests shall be conducted and the results reported to the Department before this construction permit expires. The Department shall be notified 15 days in advance of the tests.

6. The existing No. 1 and No. 2 boilers will permanently cease operation prior to the startup of the new boilers and duct burners.

Issued this _____ day of _____, 19____

STATE OF FLORIDA DEPARTMENT OF
ENVIRONMENTAL REGULATION

Dale Twachtman, Secretary

Best Available Control Technology (BACT) Determination
Coca-Cola Foods
Polk County

The applicant plans to install two waste heat process steam boilers at their facility in Auburndale, Florida, in conjunction with two natural gas-fired turbine generators. Each unit will exhaust through its own single stack. The turbines will fire only natural gas except for periods of natural gas curtailment during which diesel fuel may be fired for up to 1646 hours in any 12 month period (see AC 53-135943). The applicant also plans to install auxiliary gas-fired burners in the two waste heat boiler ducts to generate additional steam. This BACT determination is addressed only to the auxiliary duct burners. The burners will fire only natural gas except during curtailment when No. 6 fuel oil may be fired for up to 600 hours per year.

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

BACT Determination Requested by the Applicant:

Use of high efficiency burners fired by natural gas constitutes the best available technology for this project. The applicant requested that No. 6 fuel oil with a sulfur content of up to 2.4 percent be used in case of natural gas curtailment for the auxiliary duct burners.

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 1.5 percent, by weight, may be fired for up to 600 hours in any 12 month period.

Visible Emissions

Not to exceed 15 percent
opacity.

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

BACT Determination Rationale:

Sulfur in fuel is a primary air pollution concern. Most of the sulfur becomes SO₂ when the fuel is burned. Particulate emissions from fuel burning are related to the sulfur content of the fuel. The Department agrees with the applicant's proposal that the firing of natural gas is BACT for the auxiliary duct burners. However, the No. 6 fuel oil sulfur content proposed by the applicant does not constitute BACT. A review of BACT determinations made for similar proposals indicates that a No. 6 fuel oil sulfur content not to exceed 1.5 percent is generally deemed as BACT based on cost/benefit analyses.

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 Blairstone Road
Tallahassee, Florida 32399-2400

Recommended by:

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

Date

Approved by:

Dale Twachtman, Secretary

Date

P 274 007 661

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 James D. Folkerts Coca-Cola Foods	
Street and No. P.O. Box 2079	
P.O., State and ZIP Code Houston, TX 77252	
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: 10/21/87 Permits: AC 53-135943 & AC 53-135944	

PS Form 3811, July 1983 447-845

<p>SENDER: Complete items 1, 2, 3 and 4.</p> <p>Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. <u>The return receipt fee will provide you the name of the person delivered to and the date of delivery.</u> For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.</p>	
<p>1. <input checked="" type="checkbox"/> Show to whom, date and address of delivery.</p> <p>2. <input type="checkbox"/> Restricted Delivery.</p>	
<p>3. Article Addressed to: J.D. Folkerts Coca-Cola Foods P.O. Box 2079 Houston, TX 77252</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 274 007 661</p>
<p>Always obtain signature of addressee or agent and DATE DELIVERED.</p>	
<p>5. Signature - Addressee X</p>	
<p>6. Signature - Agent X</p>	
<p>7. Date of Delivery OCT 26 1987</p>	
<p>8. Addressee's Address (ONLY if requested and fee paid)</p>	

DOMESTIC RETURN RECEIPT

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB MARTINEZ
GOVERNOR
DALE TWACHTMANN
SECRETARY

October 20, 1987

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. James D. Folkerts
Vice President-Manufacturing
Coca-Cola Foods
P. O. Box 2079
Houston, Texas 77252

Dear Mr. Folkerts:

This will confirm our discussion with Mr. Frank Darabi on October 19, 1987, at which time he provided additional information regarding your permit applications AC 53-135943 and AC 53-135944 for your Auburndale project. As a result of this input, PSD information will not be required. We will proceed with processing of these applications.

Sincerely,

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

CHF/JR/s

cc: F. Darabi
G. Richardson
W. Aronson

P 274 007 674

RECEIPT FOR CERTIFIED MAIL

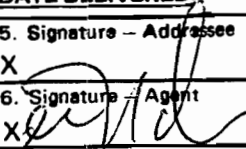
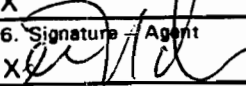
NO INSURANCE COVERAGE PROVIDED
NOT FOR INTERNATIONAL MAIL
(See Reverse)

★ U.S.G.P.O. 1985-480-794

PS Form 3900, June 1985

Sent to J. D. Folkerts	
Cocoa-Cola Foods	
Street and No.	
P.O. Box 2079	
P.O., State and ZIP Code	
Houston, TX 77252	
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: 10/7/87	
Permits: AC 53-135943	
53-135944	

PS Form 3811, July 1983 447-845

<p>● SENDER: Complete items 1, 2, 3 and 4.</p> <p>Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. <u>The return receipt fee will provide you the name of the person delivered to and the date of delivery.</u> For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.</p>	
<p>1. <input checked="" type="checkbox"/> Show to whom, date and address of delivery.</p> <p>2. <input type="checkbox"/> Restricted Delivery.</p>	
<p>3. Article Addressed to: James D. Folkerts Vice President-Manufacturing Cocoa-Cola Foods P.O. Box 2079 Houston, TX 77252</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 # P 274 007 674</p>
<p>Always obtain signature of addressee or agent and DATE DELIVERED.</p>	
<p>5. Signature - Addressee X </p>	
<p>6. Signature - Agent X </p>	
<p>7. Date of Delivery OCT 12 1987</p>	
<p>8. Addressee's Address (ONLY if requested and fee paid)</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

October 7, 1987

CERTIFIED MAIL-RETURN RECEIPT REQUESTED

Mr. James D. Folkerts
Vice President-Manufacturing
Coca-Cola Foods
P.O. Box 2079
Houston, Texas 77252

Dear Mr. Folkerts:

The Department has determined that your permit applications Nos. AC 53-135943 & -135944 for the cogeneration project at the Auburndale facility will require the information specified in Section VII (PSD) of the application. This is required because of the significant increase in NOx emissions that will result from this installation.

Sincerely,

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

CF/JR/ss

cc: J. Cahill
G. Richardson
W. Aronson



P.O. Box 247
602 McKean St.
Auburndale, FL 33823
Tel. 813/967-6611

File Copy

June 17, 1987

Dept. of Environmental Regulation
Southwest District
7601 Highway 301 North
Tampa, Florida 33601

U. S. R.
JUN 19 1987
SOUTH WEST DISTRICT
TAMPA

DER
DER
SEP 14 1987
BAQM

Attention: Mr. Dan Williams

Dear Mr. Williams:

Enclosed, find five (5) copies of application to construct an air pollution source - in this case a cogeneration facility consisting of two turbine electric generator and waste heat boiler combinations.

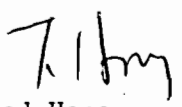
The intent of this project is to install and test this new combination as a replacement for the existing boilers which would be kept as standby units for a few years until we were confident about the capability of the new units. Then the existing units would be removed.

We are hopeful that the proposed system will be beneficial in reducing the air pollution level from existing conditions. The new system will have the turbine operating on natural gas (with #2 fuel oil as standby). The heat from the generator would be used to generate steam in a waste heat type boiler with capabilities of duct firing to increase the steam capability. This duct firing would be either natural gas or #6 fuel oil as standby. Our consultants and the manufacturers claim that the new system is more efficient (91.25% versus approx. 70% for existing boilers) plus more of the operation would be conducted using higher grade fuel (#2 f.o. vs. #6 f.o. when turbines not on natural gas).

A check for \$1,000 is attached to cover the processing fee for the permit. A letter of authorization should be in Department files authorizing Mr. Folkerts to sign pollution correspondence for Coca-Cola Foods.

If there are any questions regarding the application of the project, please do not hesitate to contact me. We would appreciate expeditious review of this application if possible.

Sincerely,


Ted Hong
Environmental Engineer

TH/as

enclosures

DER

SEP 14 1987

BAQM

Copies: John Reynolds - 9.14.87
Minute Maid/Five Alive/Hi-C/Maryland Club/Butter-Nut

DEPARTMENT OF ENVIRONMENTAL REGULATION

ROUTING AND TRANSMITTAL SLIP		ACTION NO	
		ACTION DUE DATE	
1. TO: (NAME, OFFICE, LOCATION)	Initial		
Margaret Jones	Date		
2.	Initial		
TT 306-H	Date		
3.	Initial		
CAP	Date		
4.	Initial		
TALLY	Date		
REMARKS:		INFORMATION	
Cocaa-Cda ACS3-135943/944		Review & Return	
		Review & File	
		Initial & Forward	
<p>DER</p> <p>SEP 14 1987</p> <p>BAQM</p>		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	
		DATE	
		PHONE	
FROM:			
T. John Air Permitting Tampa			

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

No 112580

RECEIPT FOR APPLICATION FEES AND MISCELLANEOUS REVENUE

Received from Aptco (Lakeland Office) Date 6/19/87

Address P.O. Box 2486 Jacksonville, 32203 Dollars \$ 1000.00

Applicant Name & Address Coca-Cola Yards, P.O. Box 2079, Houston, TX

Source of Revenue Turbine Generator / Steam Generator

Revenue Code 001031 Application Number AC53-135944-135943

CK 340

By Donna Harris
03



P.O. Box 247
602 McKean St.
Auburndale, FL 33823
Tel. 813/967-6611

File Copy

September 3, 1987

Bureau of Air Quality Management
Department of Environmental Regulation
Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DER
SEP 8 1987
BAQM

Attention: Mr. C. H. Fancy

RE: Permit Applications No. AC 53-135943 & AC 53-135944

Dear Mr. Fancy:

Your letter dated July 17, 1987 requested clarification concerning existing NO_x and SO_2 levels as compared to the anticipated levels for each pollutant.

The Boilers at the Auburndale facility are normally fired with natural gas with #6 fuel oil being used during periods when natural gas is not available. Fuel usage for 1984, 1985 and 1986 are as follows:

	<u>NATURAL GAS</u>	<u>#6 FUEL OIL</u>
1984	292.2 X 10^6 SCF	-0-
1985	353.0 X 10^6 SCF	600 gallons
1986	404.57 X 10^6 SCF	302,800 "

ESTIMATED POLLUTANT EMISSIONS UNDER PRESENT OPERATION

	<u>SO_2</u>	<u>NO_x</u>
1984	-0-	30.91 Tons
1985	0.21 Tons	26.48 "
1986	55.3 "	44.5 "

The NO_x and SO_2 emissions* for the cogeneration unit are shown on Tables A1-A3, A5-6.

*The NO_x emissions fall within the guidelines per 40CFR 60, Subpart GG.

It is estimated that natural gas will be used for 100% of the fuel for the Turbines and the Waste Heat Boilers. The Turbines will be in operation 8322 hours per year. The Waste Heat Boiler will be in operation 8322 hours per year, with duct firing being required for approximately 4000 hours per year. No.6 Fuel Oil will be used for the Duct Burners only when natural gas is not available.

Page 2.

Permit Applications AC 53135943 & 944

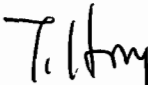
9/3/87

NO emissions may increase due to the operation of the Turbines. SO₂ emissions will decrease because there will be less usage of #6 fuel oil. A higher percentage of steam will be generated using low sulfur fuels (NG or #2 F.O.) vs. existing usage of NG or #6 F.O.

Should we be cut off natural gas, existing boilers would have to use #6 F.O. for all steam generation. With the new installation, a cut off would force use of #2 F.O. in the Turbines (and the first 23,000 #/hr. of steam generated from the waste heat).

We trust the above responses answer your questions sufficiently to allow continued processing of the permits.

Sincerely,



Ted Hong
Environmental Engineer

TH/as

Copies: John Reynolds }
CHF/BT } 9/9/87 (initials)
Tom John-SWF-Dist.



PM
9-3-87
Auburndale, FL

P.O. Box 247
602 McKean St.
Auburndale, FL 33823
Tel. 813/967-6611

File Copy

DER
SEP 8 1987
BAQM

September 3, 1987

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

Attention: Mr. C. H. Fancy

RE: Permit Applications No. AC-53-135943, 135944 & AC-35-135881

Dear Mr. Fancy:

In view of your request for clarification of data submitted with the above noted construction permit applications, we have recalculated the data based on low heat value of fuel.

Also, the original submission utilized calculations by the equipment manufacturer (based on test data from their studies), by one of our consultants (emission data extrapolation) and myself (for general fuel usage). Apparently, we all used slightly different factors for fuel density, heat content, etc. with resulting small differences in our data.

This recalculation of the data by one party should put all the data on the same basis. Thus we are submitting page changes for the application including:

- a) Page 5 E. Fuels (for both Auburndale and Leesburg)
- b) Page 7G/Leesburg Process Flow Diagram, Drawing "A"
- c) Page 7I/Auburndale Process Flow Diagram, Drawing "A"

Hope we haven't confused you with these changes. If there are any questions, give me a call.

Sincerely,

Ted Hong
Environmental Engineer

TH/as

Copied: Susan Neron
John Reynolds
CHF/BT

Tom John - SW Dist Office
Tom Sawicki - Central FL Dist. Office
Minute Maid/Five Alive/Hi-C/Maryland Club/Butter-Nut

} 9/9/87 mm

AUBURNDALE

E. Fuels

TYPE	Consumption		Maximum Heat Input (mmBtu/hr-LHV)
	Avg/hour	Max./hour	
<u>Turbine</u>			
Natural Gas	0.048 mmcf	0.053 mmcf	49.95 ⁽¹⁾
#2 Fuel Oil (alternative fuel)	344 gallons	369 gallons	49.52 ⁽¹⁾
<u>Waste Heat Boiler</u>			
<u>Boiler #1</u>			
Natural Gas	Variable-depends on demand	0.097 mmcf	91.36
#6 Fuel Oil (alternative fuel)	Variable-depends on demand	613 gallons	93.59
<u>Boiler #2</u>			
Natural Gas (alternative fuel)	Variable-depends on demand	0.029 mmcf	27.32
Density	0.047 #/cf (7.08 #/gal) (8.21 #/gal)		
Typical percent nitrogen	(1.50) (0.02) (Neg)		
Heat Capacity	(20,610, 18,386, 17,547) Btu/lb (LHV) (938/scf, 130,200, 152,600) Btu/gal (LHV)		

Notes:

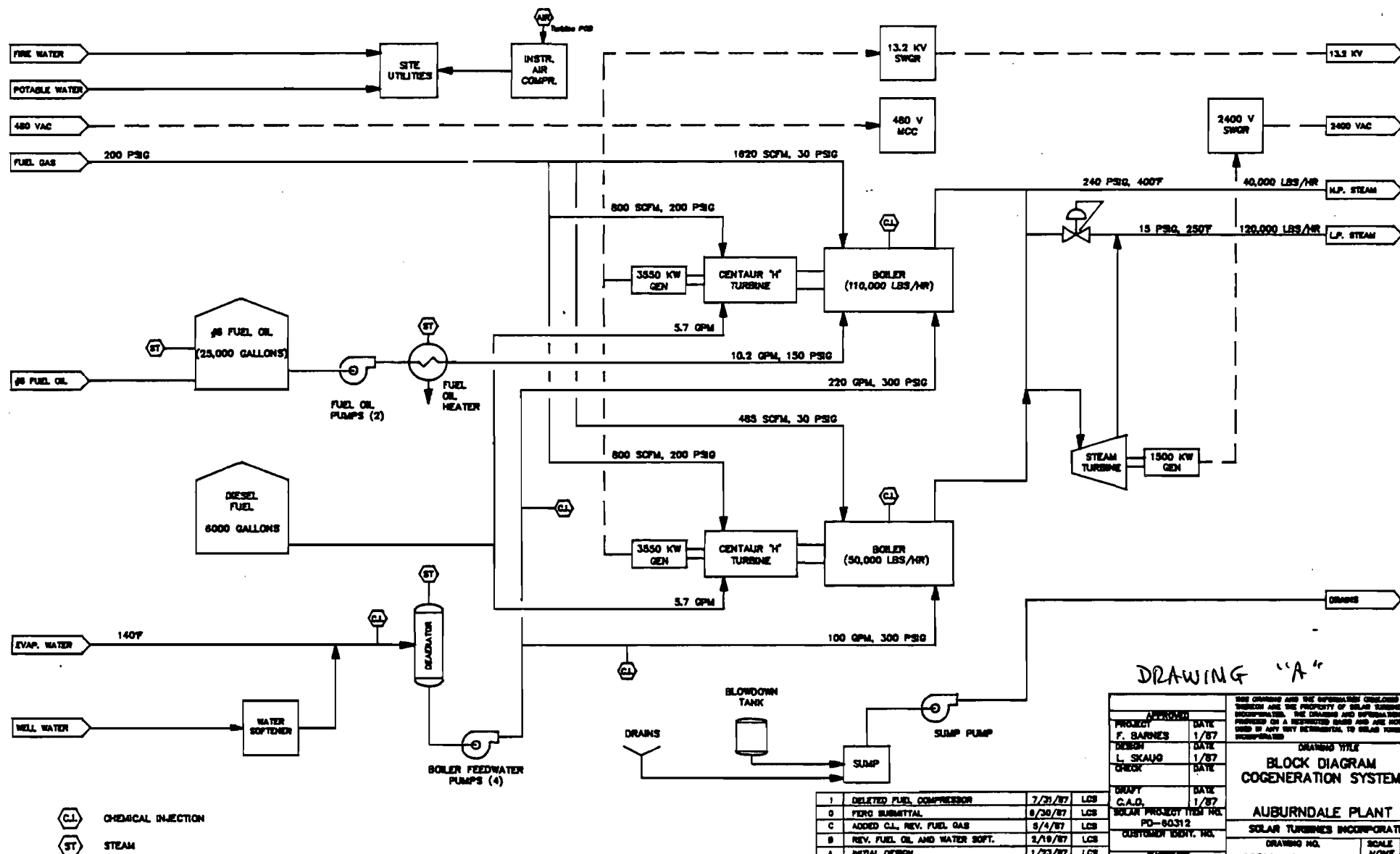
1) Design rate at 30°F ambient temperature.

DER

SEP 8 1987

BAQM

Page 1



DRAWING "A"

NO.	REVISION	DATE	BY
1	DELETED FUEL COMPRESSOR	7/31/87	LCS
2	PERO SUBMITTAL	8/30/87	LCS
3	ADDED CL, REV. FUEL GAS	9/4/87	LCS
4	REV. FUEL OIL AND WATER SOFT.	2/19/87	LCS
5	INITIAL DESIGN	1/23/87	LCS

PROJECT	F. BARNES	DATE	1/87
DESIGN	L. SKAUG	DATE	1/87
CHECK		DATE	
DRAFT		DATE	1/87
C.A.D.		DATE	1/87
SOLAR PROJECT ITEM NO.	PD-60312		
CUSTOMER IDENT. NO.			
CUSTOMER	COCA COLA FOODS		
DRAWING NO.	60312-1500-F-001	SCALE	NONE
REV.	1		

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DRAWING TITLE
**BLOCK DIAGRAM
COGENERATION SYSTEM**

AUBURNDALE PLANT
SOLAR TURBINES INCORPORATED

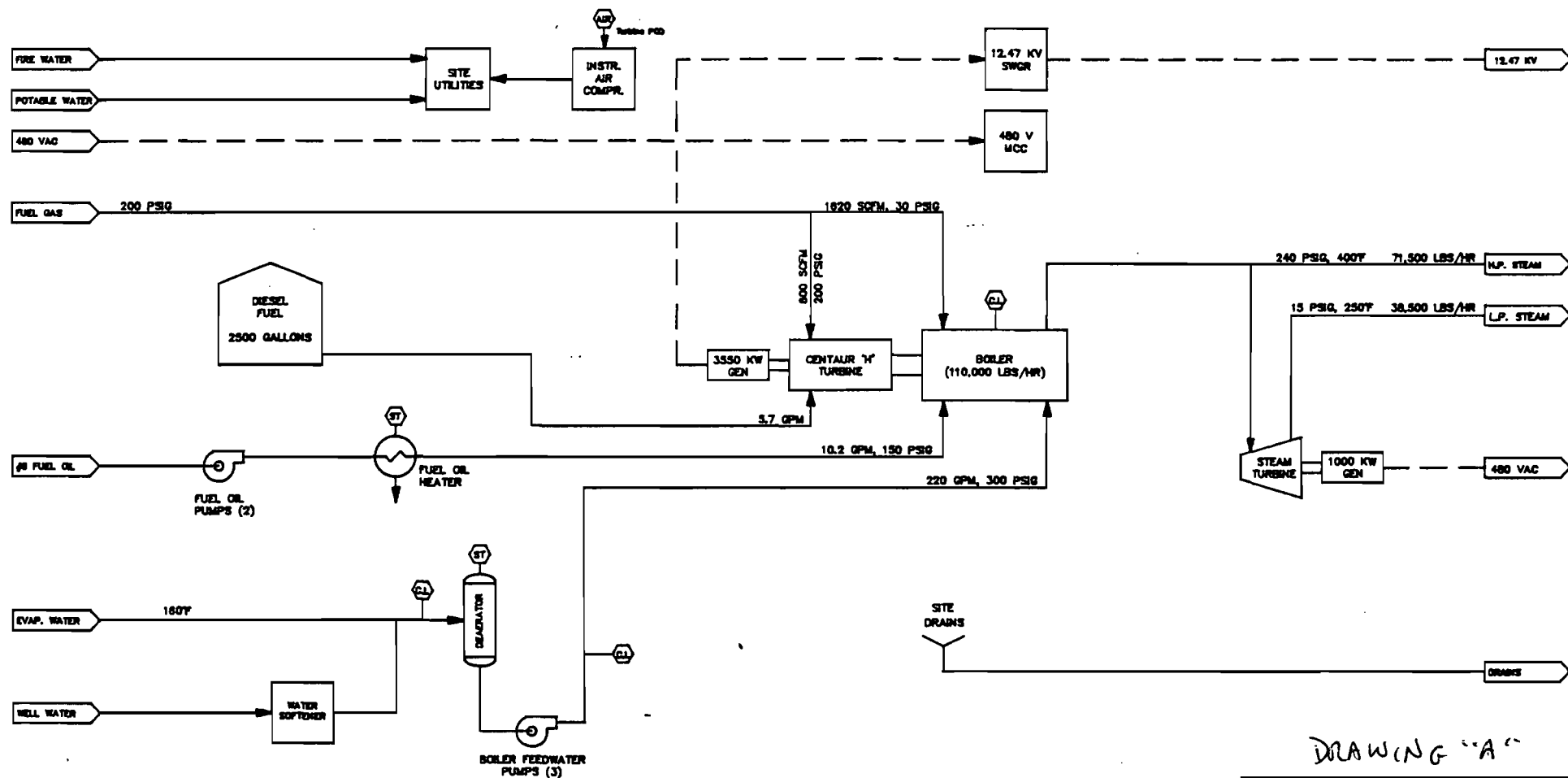
LEESBURG

E. Fuels

TYPE	Consumption		Maximum Heat Input (mmBtu/hr-LHV)
	Avg/hour	Max./hour	
Turbine			
Natural Gas	0.048 mmcf	0.053 mmcf	49.95 ⁽¹⁾
#2 Fuel Oil	344 gallons	369 gallons	49.52 ⁽¹⁾
Waste Heat Boiler			
Natural Gas	Variable-depends on demand	0.097 mmcf	91.36
#6 Fuel Oil	Variable-depends on demand	613 gallons	93.59

Manufacturer's rated heat rate at manufacturer's rated load (Kilo joules per watt hour) - 12.86.

11/16/76



(C.I.) CHEMICAL INJECTION
 (ST) STEAM

DRAWING "A"

NO.	REVISION	DATE	BY
1	DELETED FUEL COMPRESSOR	7/31/87	LCS
0	PERC SUBMITTAL	8/30/87	LCS
C	ADD STEAM TURBINE	5/4/87	LCS
B	ADD FUEL PUMP & REV WATER SOFT.	2/18/87	LCS
A	INITIAL DESIGN	1/87	LCS

PROJECT F. BARNES	DATE 1/87
DESIGN L. SKALUG	DATE 1/87
CHECK	DATE
GROUP C.A.D.	DATE 1/87
SOLAR PROJECT ITEM NO. PD-60322	
CUSTOMER IDENT. NO.	
CUSTOMER COCA COLA FOODS	

DRAWING TITLE BLOCK DIAGRAM COGENERATION SYSTEM	
LEESBURG PLANT	
DRAWING NO. 60322-1500-F-001	SCALE NONE
	REV. 1

AUBURNDALE

E. Fuels

TYPE	Consumption		Maximum Heat Input (mmBtu/hr-LHV)
	Avg/hour	Max./hour	
<u>Turbine</u>			
Natural Gas	0.048 mmcf	0.053 mmcf	49.95 ⁽¹⁾
#2 Fuel Oil (alternative fuel)	344 gallons	369 gallons	49.52 ⁽¹⁾
<u>Waste Heat Boiler</u>			
<u>Boiler #1</u>			
Natural Gas	Variable-depends on demand	0.097 mmcf	91.36
#6 Fuel Oil (alternative fuel)	Variable-depends on demand	613 gallons	93.59
<u>Boiler #2</u>			
Natural Gas (alternative fuel)	Variable-depends on demand	0.029 mmcf	27.32
Density	0.047 #/cf (7.08 #/gal) (8.21 #/gal)		
Typical percent nitrogen	(1.50) (0.02) (Neg)		
Heat Capacity	(20,610, 18,386, 17,547) Btu/lb (LHV) (938/scf, 130,200, 152,600) Btu/gal (LHV)		

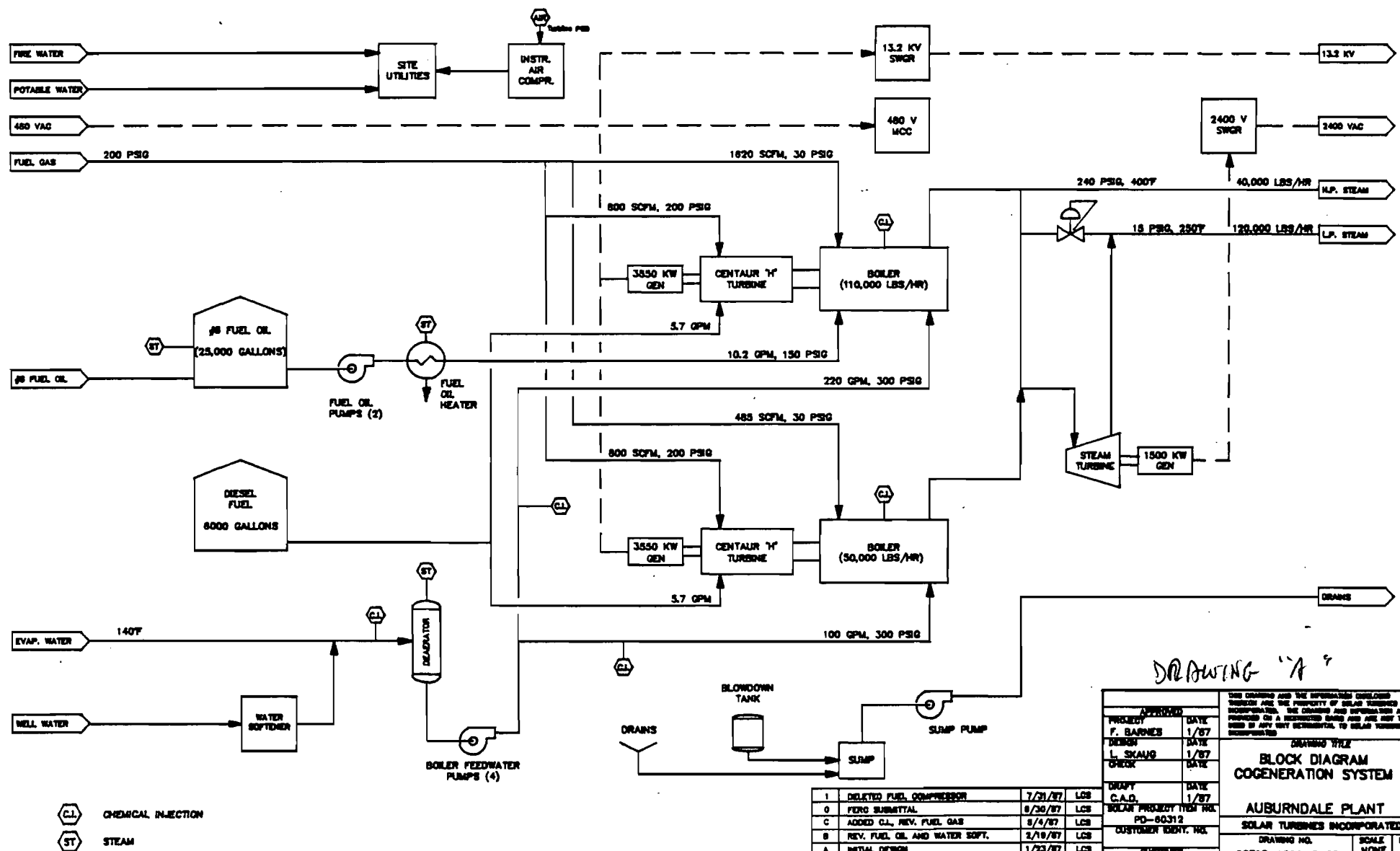
9/9/87

Notes:

- 1) Design rate at 30°F ambient temperature.

Back up for letter for
letter for 9/13/87 which
list all 3 permits.

No. AC 53-135943
53-135944
53-135881



DRAWING 'A'

NO.	REVISION	DATE	BY
1	DELETED FUEL COMPRESSOR	7/31/87	LCS
0	PERG SUBMITTAL	8/30/87	LCS
C	ADDED C.I., REV. FUEL GAS	8/4/87	LCS
B	REV. FUEL OIL AND WATER SOFT.	2/18/87	LCS
A	INITIAL DESIGN	1/23/87	LCS

APPROVED	DATE
PROJECT F. BARNES	1/87
DESIGN L. SKAUG	1/87
CHECK	DATE
DRAFT C.A.D.	DATE 1/87
SOLAR PROJECT TEAM	NO.
PD-80312	
CUSTOMER TERT, INC.	
CUSTOMER	
COCA COLA FOODS	

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DRAWING TITLE	
BLOCK DIAGRAM COGENERATION SYSTEM	
AUBURNDALE PLANT	
SOLAR TURBINES INCORPORATED	
DRAWING NO.	SCALE
80312-1500-F-001	NONE
REV.	1

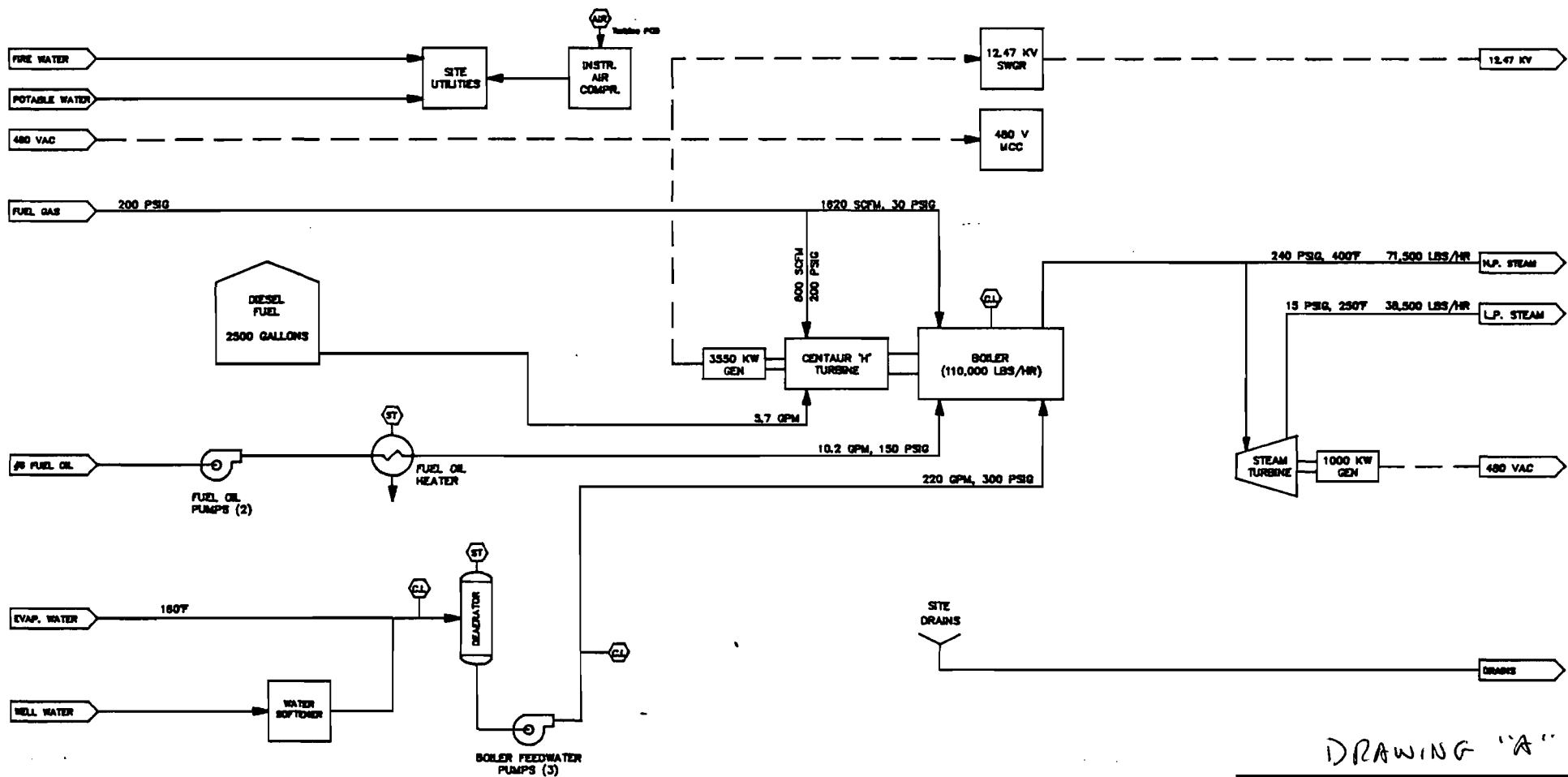
LEESBURG

E. Fuels

TYPE	Consumption		Maximum Heat Input (mmBtu/hr-LHV)
	Avg/hour	Max./hour	
Turbine			
Natural Gas	0.048 mmcf	0.053 mmcf	49.95 ⁽¹⁾
#2 Fuel Oil	344 gallons	369 gallons	49.52 ⁽¹⁾
Waste Heat Boiler			
Natural Gas	Variable-depends on demand	0.097 mmcf	91.36
#6 Fuel Oil	Variable-depends on demand	613 gallons	93.59

Manufacturer's rated heat rate at manufacturer's rated load (Kilo joules per watt hour) - 12.86.

PAGE 14



(C.I.) CHEMICAL INJECTION
(ST) STEAM

DRAWING "A"

NO.	REVISION	DATE	BY
1	DELETED FUEL COMPRESSOR	7/21/87	LCS
0	PERC SUBMITTAL	8/30/87	LCS
C	ADD STEAM TURBINE	9/4/87	LCS
B	ADD FUEL PUMP & REV WATER SOFT.	2/19/87	LCS
A	INITIAL DESIGN	1/87	LCS

PROJECT	DATE	1/87
F. BARNES	DATE	1/87
DESIGN	DATE	1/87
L. SKAUG	DATE	1/87
CHECK	DATE	
DRAFT	DATE	1/87
CAD	DATE	1/87
SOLAR PROJECT ITEM NO.	PO-60322	
CUSTOMER IDENT. NO.		
CUSTOMER	COCA COLA FOODS	

DRAWING TITLE	
BLOCK DIAGRAM	
COGENERATION SYSTEM	
LEESBURG PLANT	
SOLAR TURBINES INCORPORATED	
DRAWING NO.	SCALE
60322-1500-F-001	NONE
REV.	1

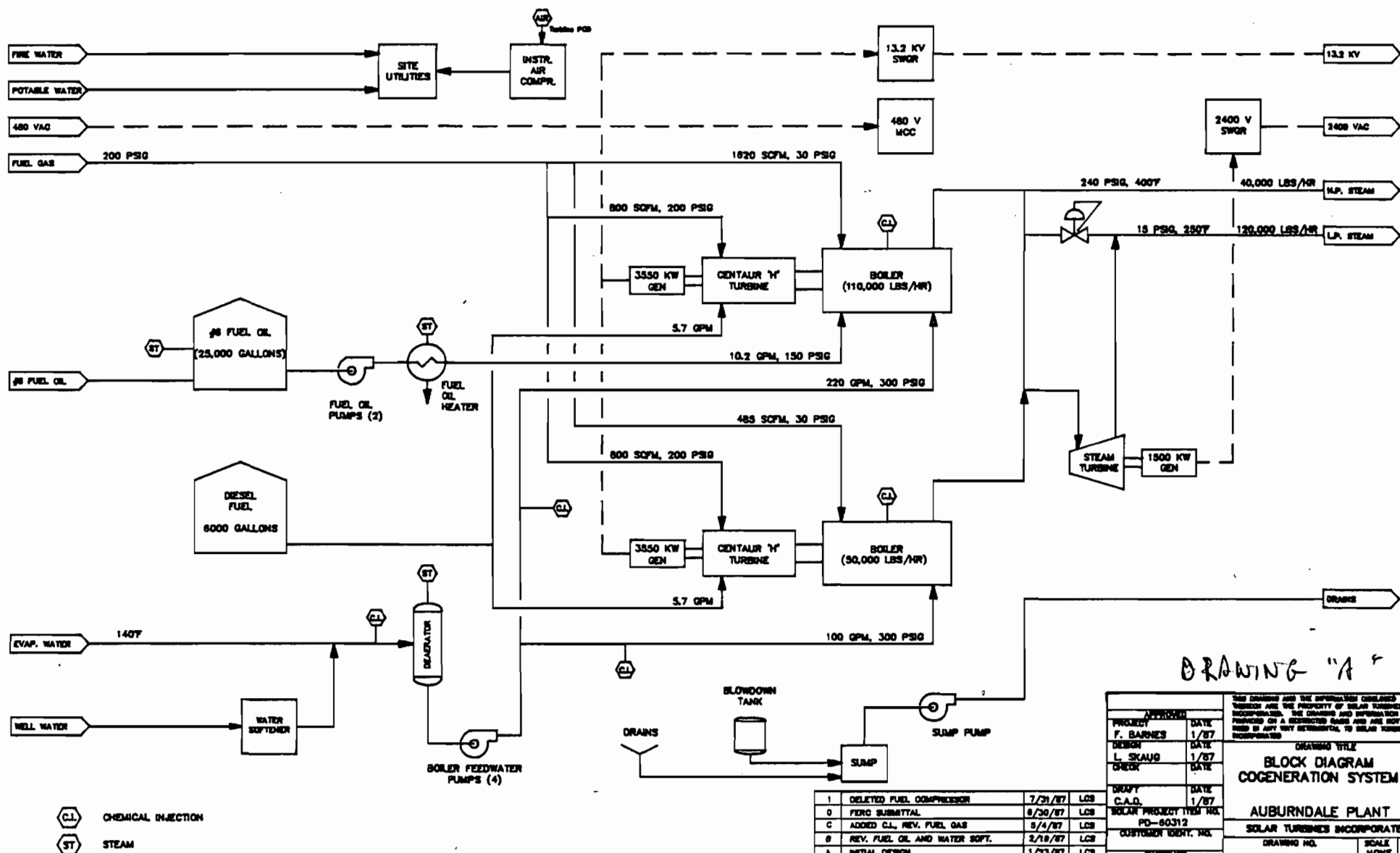
AUBURNDALE

E. Fuels

TYPE	Consumption		Maximum Heat Input (mmBtu/hr-LHV)
	Avg/hour	Max./hour	
<u>Turbine</u>			
Natural Gas	0.048 mmcf	0.053 mmcf	49.95 ⁽¹⁾
#2 Fuel Oil (alternative fuel)	344 gallons	369 gallons	49.52 ⁽¹⁾
<u>Waste Heat Boiler</u>			
<u>Boiler #1</u>			
Natural Gas	Variable-depends on demand	0.097 mmcf	91.36
#6 Fuel Oil (alternative fuel)	Variable-depends on demand	613 gallons	93.59
<u>Boiler #2</u>			
Natural Gas (alternative fuel)	Variable-depends on demand	0.029 mmcf	27.32
Density	0.047 #/cf (7.08 #/gal) (8.21 #/gal)		
Typical percent nitrogen	(1.50) (0.02) (Neg)		
Heat Capacity	(20,610, 18,386, 17,547) Btu/lb (LHV) (938/scf, 130,200, 152,600) Btu/gal (LHV)		

Notes:

- 1) Design rate at 30°F ambient temperature.



DRAWING "A"

NO.	REVISION	DATE	BY
1	DELETED FUEL COMPRESSION	7/31/87	LCS
0	FERG SUBMITTAL	8/30/87	LCS
C	ADDED CL, REV. FUEL GAS	9/4/87	LCS
B	REV. FUEL OIL AND WATER SOFT.	2/19/87	LCS
A	INITIAL DESIGN	1/23/87	LCS

PROJECT F. BARNES	DATE 1/87
DESIGN L. SKAUG	DATE 1/87
CHECK	DATE
DRAFT C.A.O.	DATE 1/87
SOLAR PROJECT ITEM NO. PD-60312	
CUSTOMER IDENT. NO.	
CUSTOMER COCA COLA FOODS	

DRAWING TITLE BLOCK DIAGRAM COGENERATION SYSTEM		
AUBURNDALE PLANT		
DRAWING NO. 60312-1500-F-001	SCALE NONE	REV. 1

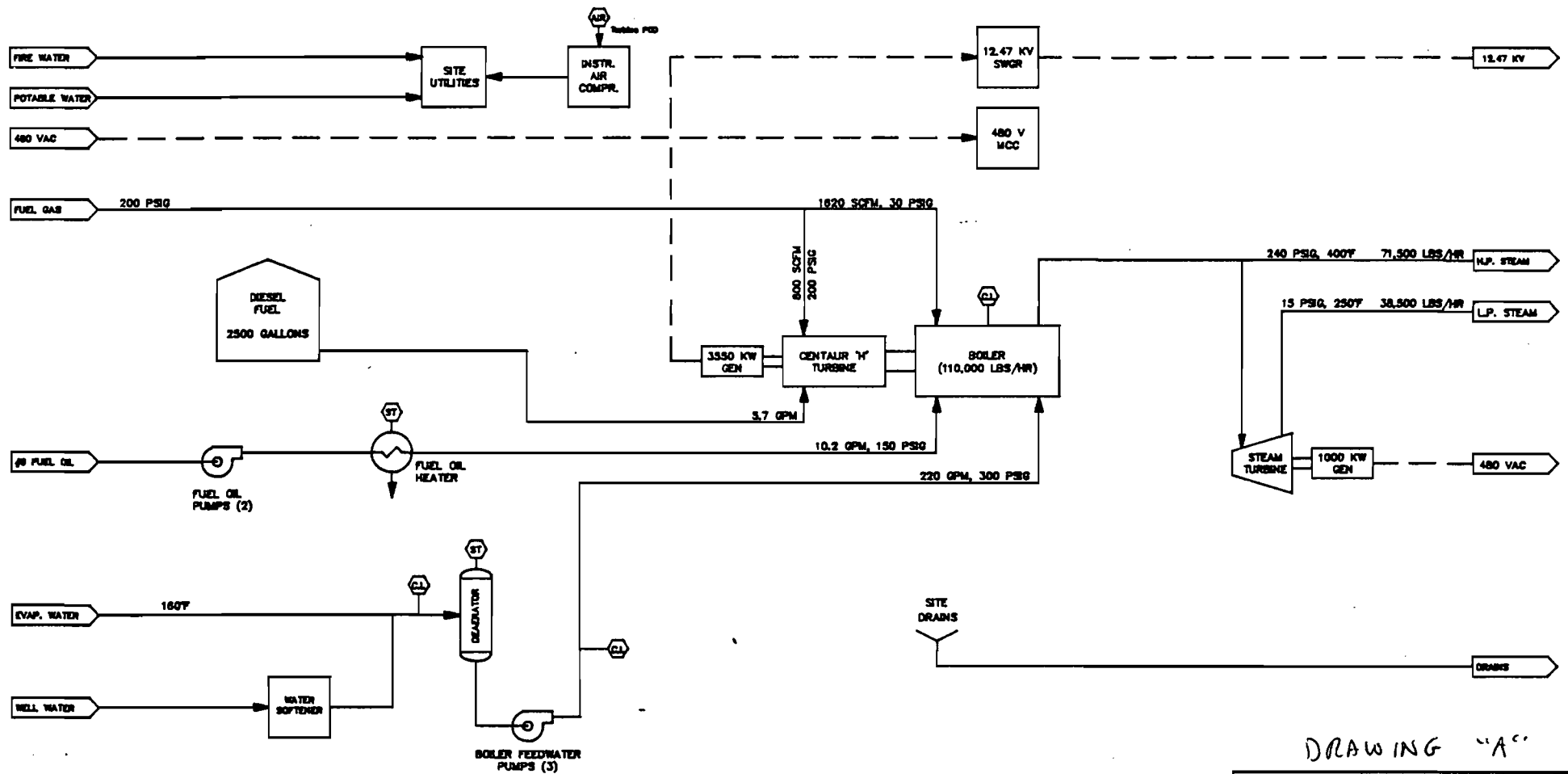
LEESBURG

E. Fuels

<u>TYPE</u>	<u>Consumption</u>		<u>Maximum Heat Input (mmBtu/hr-LHV)</u>
	<u>Avg/hour</u>	<u>Max./hour</u>	
Turbine			
Natural Gas	0.048 mmcf	0.053 mmcf	49.95 ⁽¹⁾
#2 Fuel Oil	344 gallons	369 gallons	49.52 ⁽¹⁾
Waste Heat Boiler			
Natural Gas	Variable-depends on demand	0.097 mmcf	91.36
#6 Fuel Oil	Variable-depends on demand	613 gallons	93.59

Manufacturer's rated heat rate at manufacturer's rated load (Kilo joules per watt hour) - 12.86.

PAGE 74



DRAWING "A"

NO.	REVISION	DATE	BY
1	DELETED FUEL COMPRESSOR	7/31/87	LCS
0	PERC SUBMITTAL	8/30/87	LCS
C	ADD STEAM TURBINE	8/4/87	LCS
B	ADD FUEL PUMP & REV WATER SOFT.	2/18/87	LCS
A	INITIAL DESIGN	1/87	LCS

APPROVAL		DATE	
PROJECT	F. BARNES	1/87	
DESIGN	L. SKAUG	1/87	
CHECK			
DRAWN			
C.A.D.			
SOLAR PROJECT TMS NO.		PD-60322	
CUSTOMER IDEN. NO.		CUSTOMER	
COCA COLA FOODS		60322-1500-F-001	

DRAWING TITLE	
BLOCK DIAGRAM	
COGENERATION SYSTEM	
LEESBURG PLANT	
SOLAR TURBINES INCORPORATED	
DRAWING NO.	SCALE
60322-1500-F-001	NONE
REV.	1

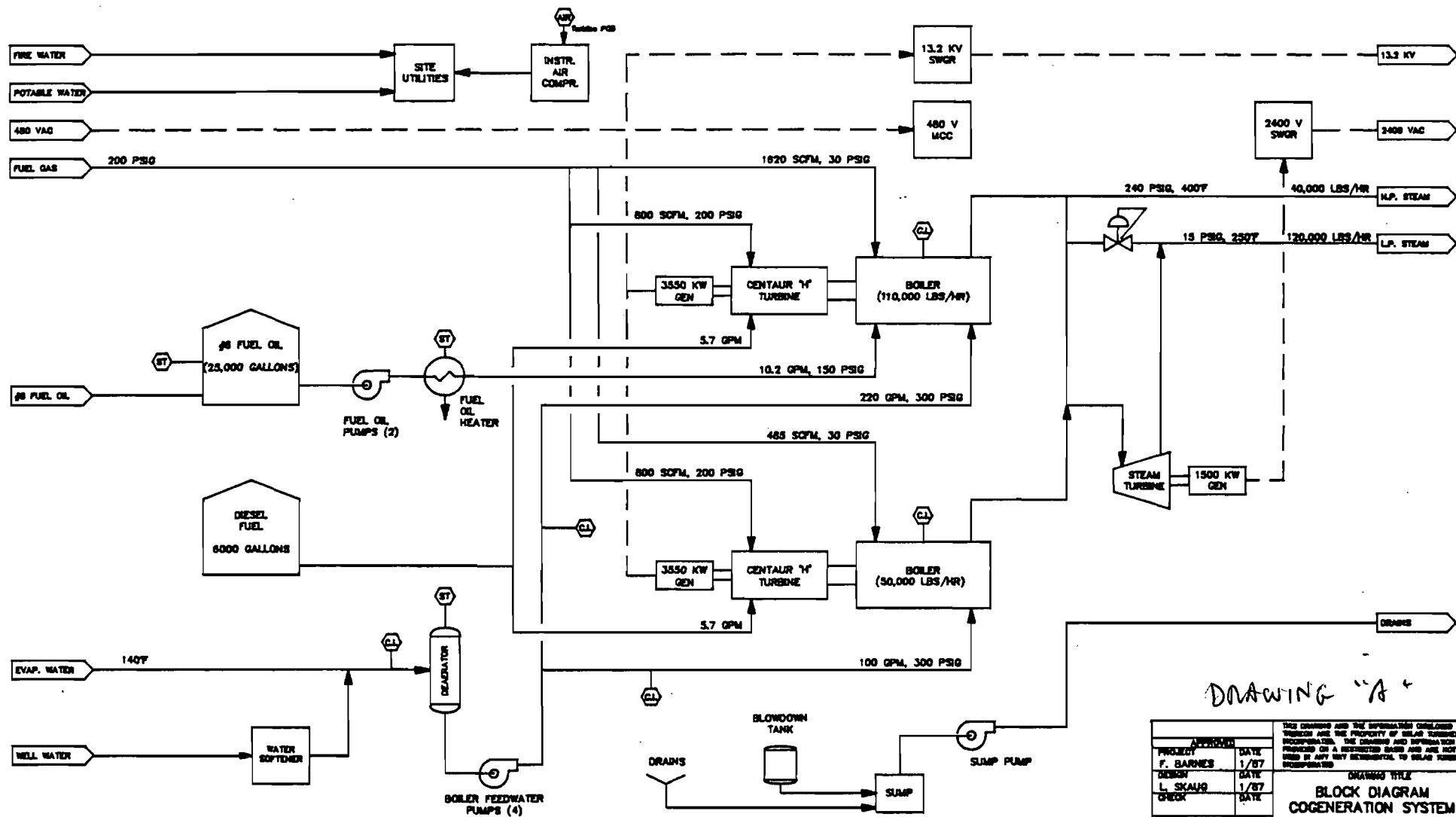
AUBURNDALE

E. Fuels

TYPE	Consumption		Maximum Heat Input (mmBtu/hr-LHV)
	Avg/hour	Max./hour	
<u>Turbine</u>			
Natural Gas	0.048 mmcf	0.053 mmcf	49.95 ⁽¹⁾
#2 Fuel Oil (alternative fuel)	344 gallons	369 gallons	49.52 ⁽¹⁾
<u>Waste Heat Boiler</u>			
<u>Boiler #1</u>			
Natural Gas	Variable-depends on demand	0.097 mmcf	91.36
#6 Fuel Oil (alternative fuel)	Variable-depends on demand	613 gallons	93.59
<u>Boiler #2</u>			
Natural Gas (alternative fuel)	Variable-depends on demand	0.029 mmcf	27.32
Density	0.047 #/cf (7.08 #/gal) (8.21 #/gal)		
Typical percent nitrogen	(1.50) (0.02) (Neg)		
Heat Capacity	(20,610, 18,386, 17,547) Btu/lb (LHV) (938/scf, 130,200, 152,600) Btu/gal (LHV)		

Notes:

1) Design rate at 30°F ambient temperature.



DRAWING "A"

CLJ CHEMICAL INJECTION
ST STEAM

NO.	REVISION	DATE	BY
1	DELETED FUEL COMPRESSOR	7/31/87	LCS
0	PERG SUBMITTAL	8/30/87	LCS
C	ADDED CLJ, REV. FUEL GAS	8/4/87	LCS
B	REV. FUEL OIL AND WATER SOFT.	2/18/87	LCS
A	INITIAL DESIGN	1/23/87	LCS

PROJECT	DATE	APPROVED
F. BARNES	1/87	
DESIGN	DATE	
L. SKAUS	1/87	
CHECK	DATE	
DRAFT	DATE	
G.A.D.	1/87	
SOLAR PROJECT ITEM NO.		
PO-60312		
CUSTOMER IDENT. NO.		
CUSTOMER		
COCA COLA FOODS		

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DRAWING TITLE
**BLOCK DIAGRAM
COGENERATION SYSTEM**

AUBURNDALE PLANT
SOLAR TURBINES INCORPORATED

DRAWING NO.
60312-1500-F-001

SCALE
NONE

REV.
1

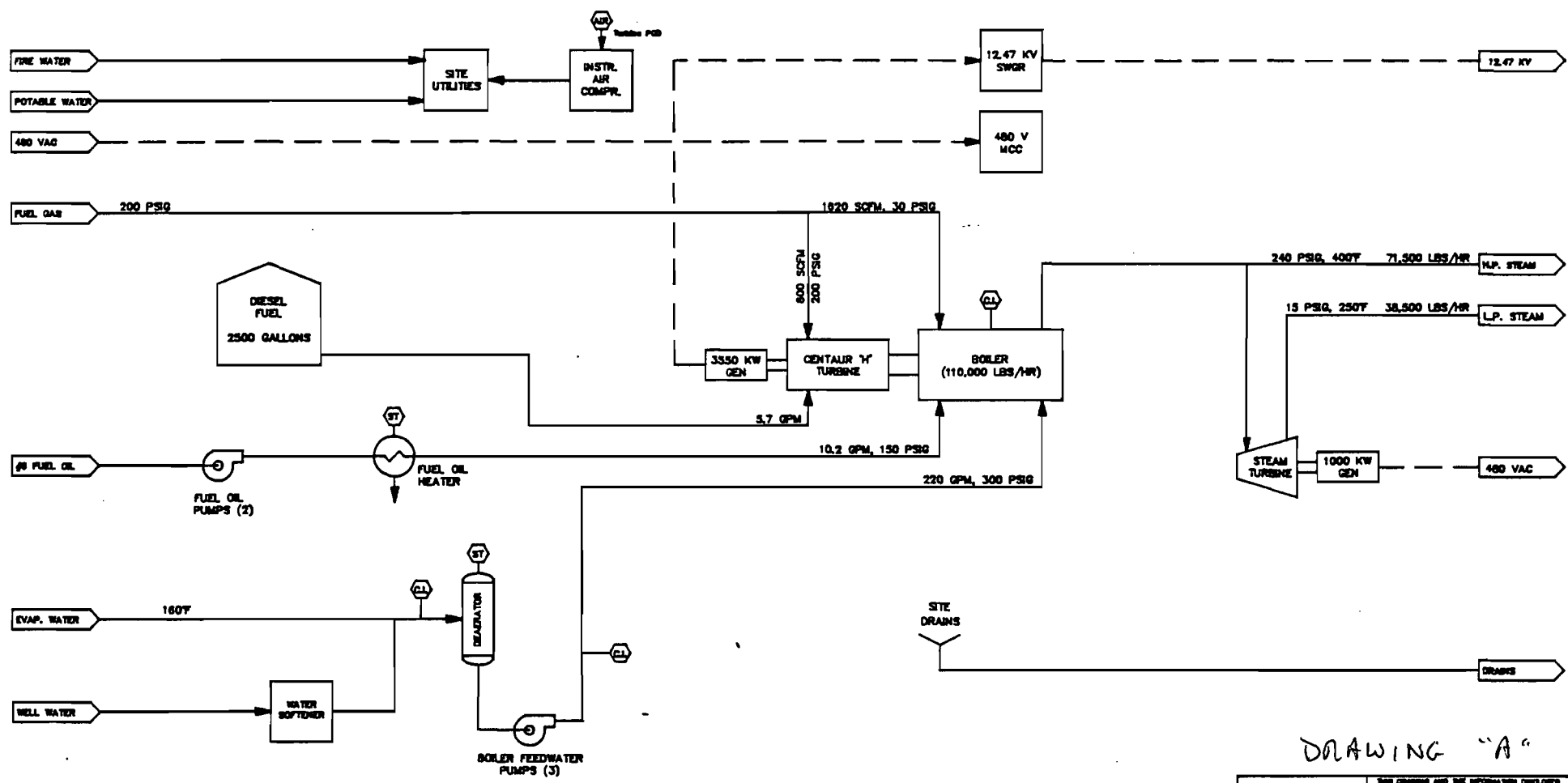
LEESBURG

E. Fuels

<u>TYPE</u>	<u>Consumption</u>		<u>Maximum Heat Input (mmBtu/hr-LHV)</u>
	<u>Avg/hour</u>	<u>Max./hour</u>	
Turbine			
Natural Gas	0.048 mmcf	0.053 mmcf	49.95 ⁽¹⁾
#2 Fuel Oil	344 gallons	369 gallons	49.52 ⁽¹⁾
Waste Heat Boiler			
Natural Gas	Variable-depends on demand	0.097 mmcf	91.36
#6 Fuel Oil	Variable-depends on demand	613 gallons	93.59

Manufacturer's rated heat rate at manufacturer's rated load (Kilo joules per watt hour) - 12.86.

PAGE 74



C.I. CHEMICAL INJECTION
ST STEAM

DRAWING "A"

NO.	REVISION	DATE	BY
1	DELETED FUEL COMPRESSOR	7/31/87	LCS
0	PERC SUBMITTAL	8/30/87	LCS
C	ADD STEAM TURBINE	9/4/87	LCS
B	ADD FUEL PUMP & REV WATER SOFT.	2/19/87	LCS
A	INITIAL DESIGN	1/87	LCS

PROJECT F. BARNES	DATE 1/87	DRAWING TITLE BLOCK DIAGRAM COGENERATION SYSTEM LEESBURG PLANT SOLAR TURBINES INCORPORATED DRAWING NO. 60322-1500-F-001
DESIGN L. SKALOG	DATE 1/87	
CHECK	DATE	
DRAFT C.A.D.	DATE 1/87	
SOLAR PROJECT ITEM NO. PD-60322	CUSTOMER IDENTITY NO.	
CUSTOMER COCA COLA FOODS		SCALE NONE
		REV. 1

P 274 007 731

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 James D. Folkerts Coca-Cola Foods	
Street and No. P.O. Box 2079	
P.O., State and ZIP Code Houston, Texas 77252	
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: 07/17/87 Permits: AC 53-135943 AC 53-135944	

PS Form 3811, July 1983 447-845

SENDER: Complete items 1, 2, 3 and 4.

Put your address in the "RETURN TO" space on the reverse side. Failure to do this will prevent this card from being returned to you. The return receipt fee will provide you the name of the person delivered to and the date of delivery. For additional fees the following services are available. Consult postmaster for fees and check box(es) for service(s) requested.

- ☒ Show to whom, date and address of delivery.
- ☐ Restricted Delivery.

3. Article Addressed to: James D. Folkerts
Vice President - Manufacturing
Coca-Cola Foods
P.O. Box 2079
Houston, Texas 77252

4. Type of Service:	Article Number
<input type="checkbox"/> Registered <input type="checkbox"/> Insured <input checked="" type="checkbox"/> Certified <input type="checkbox"/> COD <input type="checkbox"/> Express Mail	P 274 007 731

Always obtain signature of addressee or agent and **DATE DELIVERED.**

5. Signature - Addressee
* X

6. Signature - Agent
X *In Cooly*

7. Date of Delivery
JUL 21 1987

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

DOMESTIC RETURN RECEIPT

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

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



BOB MARTINEZ
GOVERNOR
DALE TWACHTMANN
SECRETARY

July 17, 1987

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

Mr. James D. Folkerts
Vice President-Manufacturing
Coca-Cola Foods
P. O. Box 2079
Houston, Texas 77252

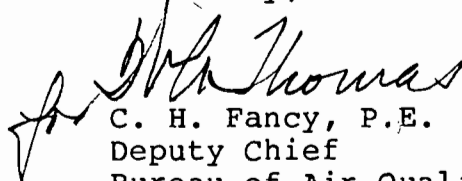
Dear Mr. Folkerts:

Re: Permit Applications Nos. AC 53-135943 & -135944

Additional information is required for preliminary review of the subject permit applications received on June 19, 1987. Specifically, clarification is needed regarding the annual net increase in NO_x and SO₂ emissions compared to existing actual emission levels and an explanation of the basis for the estimated net increase for each pollutant, including the anticipated annual hours of operation of each unit on each type fuel.

This additional information is required in order to make a rule applicability assessment under Florida Administrative Code Chapter 17-2.500, Prevention of Significant Deterioration. If you have any questions on the above, please write to me at the above address or call John Reynolds at (904)488-1344.

Sincerely,



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

CHF/JR/s

cc: J. Cahill-Consultant
G. Richardson-DER SW District
W. Aronson-EPA

file
copy

TO: Barry Andrews, BAQM
THRU: W.C. Thomas *WCT*
FROM: Tom John *TJ*
DATE: July 1, 1987
SUBJECT: Air Permit for Coca-Cola Foods, AC53-135944

DER
JUL 6 1987
BAQM

Enclosed is a copy of permit no. AC53-135944.

The source consists of two parallel natural gas fired turbine operated full-time and driving electrical generators. No. 2 diesel fuel is to be used as standby. The waste heat from the turbines will be used to produce process steam, as needed by the plant. During the fruit season, (December through June) when steam demands are high, additional natural gas will be fired in the duct of the boilers for additional steam production. Backup fuel for the duct firing is No. 6 fuel oil. Each parallel train exhausts through its own single stack. The boilers will not be fired without the generators operating, but if backup fuels are used the turbines will be using No. 2 and the duct boiler will be using No. 6 fuel oils.

TJ/dtw

DEPARTMENT OF ENVIRONMENTAL REGULATION

**ROUTING AND
TRANSMITTAL SLIP**

ACTION NO

ACTION DUE DATE

1. TO: (NAME, OFFICE, LOCATION)

Barry Andrews

Initial

Date

2.

BAQM

Initial

Date

3.

Initial

Date

4.

Jally

DER

Initial

Date

REMARKS:

JUL 6 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

*Barry -
Jony
Potential
RED*

FROM:

Jon John

DATE

7-1-87

PHONE

DEPARTMENT OF ENVIRONMENTAL REGULATION

AC 53-135944

ST. JOHNS RIVER DISTRICT

3310 MAGUIRE BOULEVARD
SUITE 202
ORLANDO, FLORIDA 32803 3/67

D. E. M.

JUN 19 1987

SOUTH WEST DISTRICT
TAMPABOB GRAHAM
GOVERNORVICTORIA J. TSCHINKEL
SECRETARYA. ALEXANDER
DISTRICT MANAGER

APPLICATION TO OPERATE/CONSTRUCT AIR POLLUTION SOURCES

SOURCE TYPE: Turbine Generator/Steam Generator ☒ New¹ ☐ Existing¹APPLICATION TYPE: ☒ Construction ☐ Operation ☐ ModificationCOMPANY NAME: Coca-Cola Foods COUNTY: PolkIdentify 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) turbine exhaust/boiler exhaustSOURCE LOCATION: Street McKean Street and Derby Ave. City AuburndaleUTM: East 17 4 21600 North 31 03700Latitude 28° 02' 55"N Longitude 31° 47' 57"WAPPLICANT NAME AND TITLE: James D. Folkerts Vice President, ManufacturingAPPLICANT ADDRESS: P.O. Box 2079 Houston, TX 77252

SECTION I: STATEMENTS BY APPLICANT AND ENGINEER

A. APPLICANT

I am the ~~undersigned owner~~ authorized representative* of Coca-Cola Foods

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: James FolkertsJ. D. Folkerts VP Manufacturing
Name and Title (Please Type)Date: _____ Telephone No. 713-888-5650

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

This is to certify that the engineering features of this pollution control project have been ~~designed~~/examined by me and found to be in conformity with modern engineering principles applicable to the treatment and disposal of pollutants characterized in the permit application. There is reasonable assurance, in my professional judgment, that

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

the pollution control facilities, when properly maintained and operated, will discharge an effluent that complies with all applicable statutes of the State of Florida and the rules and regulations of the department. It is also agreed that the undersigned will furnish, if authorized by the owner, the applicant a set of instructions for the proper maintenance and operation of the pollution control facilities and, if applicable, pollution sources.



Signed

John M. Cahill

John M. Cahill

Name (Please Type)

Consultant

Company Name (Please Type)

604 N. Grandview Street Mt. Dora, FL 32754

Mailing Address (Please Type)

Florida Registration No. 3971

Date:

6/3/83

Telephone No.

904-383-2214

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.

~~Project is to replace existing boilers with new units of higher efficiency fed from waste heat from turbine generators. Duct firing will be used as needed to generate additional heat for generation of steam capacity in excess of that available from the waste heat. Existing steam generators will be deactivated to emergency standby status upon completion of construction and testing of the new units. More details on page 2A.~~

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

Start of Construction try for June 1987 Completion of Construction try for Dec. 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.)

~~New units have no special pollution control devices and relies on higher efficiency to reduce pollution. Turbines will be operated on natural gas (diesel fuel as standby) and steam generators will be operated on natural gas (#6 f.o. as standby) for duct firing as needed when the quantity of waste heat is insufficient to generate required steam supply.~~

~~Overall cost of project for installation is approximately \$5.64 million~~

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

~~None for new units. Existing steam generators have Operating Permits AO-53-69790 and AO-53-69791. Both were issued on July 26, 1983 and expire on July 13, 1988.~~

SECTION II A

A. This project consists of a cogeneration unit designed to furnish electrical power and steam for the Coca Cola plant at Auburndale, Florida . Major equipment includes:

- 1) Two natural-gas fired Solar Centaur H turbine-generators.
- 2) One ERI waste heat boiler to produce 23,000 lb/hr of 240 psig saturated steam utilizing the heat from the turbine exhaust. The steam production can be increased to 110,000 lb/hr by the use of a Coen duct burner.
- 3) One ERI waste heat boiler to produce 23,000 lb/hr of 240 psig saturated steam utilizing the heat from the turbine exhaust. The steam production can be increased to 50,000 lb/hr by the use of a Coen duct burner.
- 4) Miscellaneous supporting equipment such as boiler feed pumps, boiler feed water treating, etc.

Pollution control will be enhanced by essentially complete combustion of the fuel in the turbines and duct burner for an overall operating efficiency of 91.25%. The present boilers with an efficiency of approximately 70% will be placed in standby and used only for emergencies.

This project will be in full compliance with the Department of Environmental Regulation requirements.

Best Available Copy

E. Requested permitted equipment operating time: hrs/day 24; days/wk 7; wks/yr 52;
if power plant, hrs/yr _____; if seasonal, describe: turbine generators to operate fulltime;
steam generators to operate as needed to meet steam loads; duct burners to operate only
during fruit season (essentially December through June) when steam load is high.

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. 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		
Not pertinent for steam or electric generators. Only materials involved are				
fuel and water.				

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

1. Total Process Input Rate (lbs/hr): not applicable

2. Product Weight (lbs/hr): not applicable

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

Name of Contaminant	Emission ¹		Allowed ² Emission Rate per Rule 17-2	Allowable ³ Emission lbs/hr	Potential ⁴ Emission		Relate to Flow Diagram
	Maximum lbs/hr	Actual T/yr			lbs/yr	T/yr	
particulates	VE test to be con-	ducted	per BACT	determination	see Section V		N/A
	see Section V						
	see Section V (pages 7B-7H) for calculations on other contaminants						

¹See Section V, Item 2.

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

³Calculated from operating rate and applicable standard.

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

Not applicable - merely electric and steam generation

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)
Not pertinent - units involved are electric and steam generators				

E. Fuels

Type (Be Specific)	Consumption*		Maximum Heat Input (MMBTU/hr)
	avg/hr	max./hr	
TURBINE natural gas	.045 mmcf	.045 mmcf	45.21 mmbtu/hr (each)
#2 fuel oil (alternate fuel)	333 gallons	333 gallons	45.21 mmbtu/hr (each)
BOILER natural gas	variable - depends on demand	.101 mmcf	101.19 mmbtu/hr (boiler #1)
#6 fuel oil (alternate fuel)	variable - depends on demand	199 gallons	30.26 mmbtu/hr (boiler #2)

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

Fuel Analysis: NG (#2) ((#6))

Percent Sulfur: 0 (1.0 max) ((2.4)) Percent Ash: zero (negligible) ((0.1 max))

Density: .047#/cf (6.83#/gal) ((8.33 lbs/gal)) Typical Percent Nitrogen: 5.15 (.02) ((neg.))

Heat Capacity: 1000/cf (19910) ((18,000)) BTU/lb 1000/cf (136,000) ((152,000)) BTU/gal

Other Fuel Contaminants (which may cause air pollution): _____

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

Annual Average est. 0.8% Maximum est. 1%

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

No solid wastes generated except particulates discharged from stack. Liquid wastes are boiler blowdown waters which are disposed of in the wastewater treatment system (aerated lagoon and spray irrigation).

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

Stack Height: 40 ft. Stack Diameter: 4 ft.

Gas Flow Rate: 45400-54450 ACFM DSCFM Gas Exit Temperature: 323* 300** 360*** °F.

depending on operation 6.11** B2

Water Vapor Content: 4.38* 10.08** B1.6.52*** % Velocity: 60* 61** 72*** FPS

* turbine exhaust only ** turbine & boiler -NG duct fuel ***turbine & boiler -
#6FO duct fuel

SECTION IV: INCINERATOR INFORMATION

NOT APPLICABLE

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)							

Description of Waste _____

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

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

Manufacturer _____

Date Constructed _____ Model No. _____

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

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

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

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

Type of pollution control device: ☐ Cyclone ☐ Wet Scrubber ☐ Afterburner

☐ Other (specify) _____

Brief description of operating characteristics of control devices: _____

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

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

SECTION V: SUPPLEMENTAL REQUIREMENTS

Please provide the following supplements where required for this application.

1. Total process input rate and product weight -- show derivation [Rule 17-2.100(127)]
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.

SUPPLEMENTAL REQUIREMENTS

1. Total Process Input Rate - not applicable as project is for turbine generator and waste heat steam generator (cogeneration) system. The only inputs are water and fuel, only products are electricity and steam.
2. Only pollutants are combustion byproducts. VE test will be conducted on steam generator stack and results submitted to DER. Attached are data sheets provided by consultants relating to anticipated emissions.
3. Attached are data sheets from consultants relating to potential discharges from the turbine and/or boiler utilizing various duct firing fuels (natural gas or #6 f.o.). Pages 7B thru 7H.
4. Control Devices - not applicable for steam generators.
5. Derivation of Control Device Efficiency - not applicable.
6. Process Flow Sheet - not really applicable to this application as system involved is simple turbine generator coupled with waste heat steam generator with fuel and water as raw materials and steam and electricity as products. A large portion of the steam generated is returned to the system as condensate for reuse. Boiler blowdown is sent to wastewater treatment plant for disposal and pollutants discharged through stack will be measured via VE test. Drawing "A" (Block Diagram Cogeneration System) is attached. Page 7I
7. Plot Plan - attached as Drawing "B". Page 7J
8. Site Plan - attached as Drawing "C". Page 7K
9. Processing fee - check attached.
10. Not applicable at this time.

SECTION V: SUPPLEMENTAL REQUIREMENTS

The emissions data from the turbine and waste heat boiler have been provided by the manufacturers of this equipment. The turbines are designed to fire either natural gas or No. 2 fuel oil; however, the No. 2 fuel oil will be only used in an emergency. The duct burners are designed to burn natural gas and/or #6 fuel oil. Natural gas will be the primary fuel with the #6 fuel oil expected to be utilized for less than 20% of the total duct burner fuel.

The attached tables give the hourly emission rates and the estimated annual emissions:

Table A-1	-	Single Turbine Exhaust - Natural Gas Fuel - No Duct Firing
Table A-2	-	Two Turbine Exhaust - Natural Gas Fuel - No Due Firing
Table A-3	-	Waste Heat Boiler Exhaust - 110,000 lb/hr Steam Production - Natural Gas Fuel
Table A-4	-	Waste Heat Boiler Exhaust - 110,000 lb/hr Steam Production - Turbine Fuel: Natural Gas - Duct Burner Fuel: #6 Fuel Oil
Table A-5	-	Waste Heat Boiler Exhaust - 50,000 lb/hr Steam Production - Natural Gas Fuel
Table A-6	-	Total Emissions - Estimated Maximum lb/hr Annual - Ton/yr

TABLE A-1
Turbine Exhaust - Natural Gas Fuel
No Duct Firing

<u>Turbine Exhaust Gas Composition</u>	<u>Full Load - Nominal Conditions lbs/hr</u>
Oxygen	22,306
Carbon Dioxide	5,939
Water Vapor	5,969
Nitrogen	100,179
Argon	1,700
Carbon Monoxide	0.62
Nitrogen Oxides	27.30
Unburnt Hydrocarbons	0.29
Sulfur Dioxide	0.01
Particulates	--
Total	136,121.22

TABLE A-2

Two Turbine Exhaust - Natural Gas Fuel

No Duct Firing

<u>Turbine Exhaust Gas Composition</u>	<u>Full Load - Nominal Conditions lbs/hr</u>
Oxygen	44,612
Carbon Dioxide	11,878
Water Vapor	11,938
Nitrogen	200,358
Argon	3,400
Carbon Monoxide	1.24
Nitrogen Oxides	54.60
Unburnt Hydrocarbons	0.58
Sulfur Dioxide	0.02
Particulates	--
Total	272,242.44

TABLE A-3

Waste Heat Boiler Exhaust
110,000 lb/hr Steam Production
Natural Gas Fuel
Boiler #1

<u>Waste Heat Boiler Exhaust Composition</u>	<u>110,000 lb/hr Steam Production lbs/hr</u>
Oxygen	5,907
Carbon Dioxide	18,610
Water Vapor	14,180
Nitrogen	100,179
Argon	1,700
Carbon Monoxide	6.705
Nitrogen Oxides	37.441
Unburnt Hydrocarbons	1.203
Sulfur Dioxide	0.01
Particulates	--
Total	140,621.359

TABLE A-4

Waste Heat Boiler Exhaust
 110,000 lb/hr Steam Production
 Turbine Fuel - Natural Gas
 Duct Burner Fuel - #6 Fuel Oil
 Boiler #1

<u>Waste Heat Boiler Exhaust Composition</u>	<u>110,000 lb/hr Steam Production lbs/hr</u>
Oxygen	10,049
Carbon Dioxide	23,124
Water Vapor	10,452
Nitrogen	114,596
Argon	1,700
Carbon Monoxide	6.567
Nitrogen Oxides	37.21
Unburnt Hydrocarbons	1.182
Sulfur Dioxide	257.899
Particulates	<u>2.664</u>
Total	160,225.859

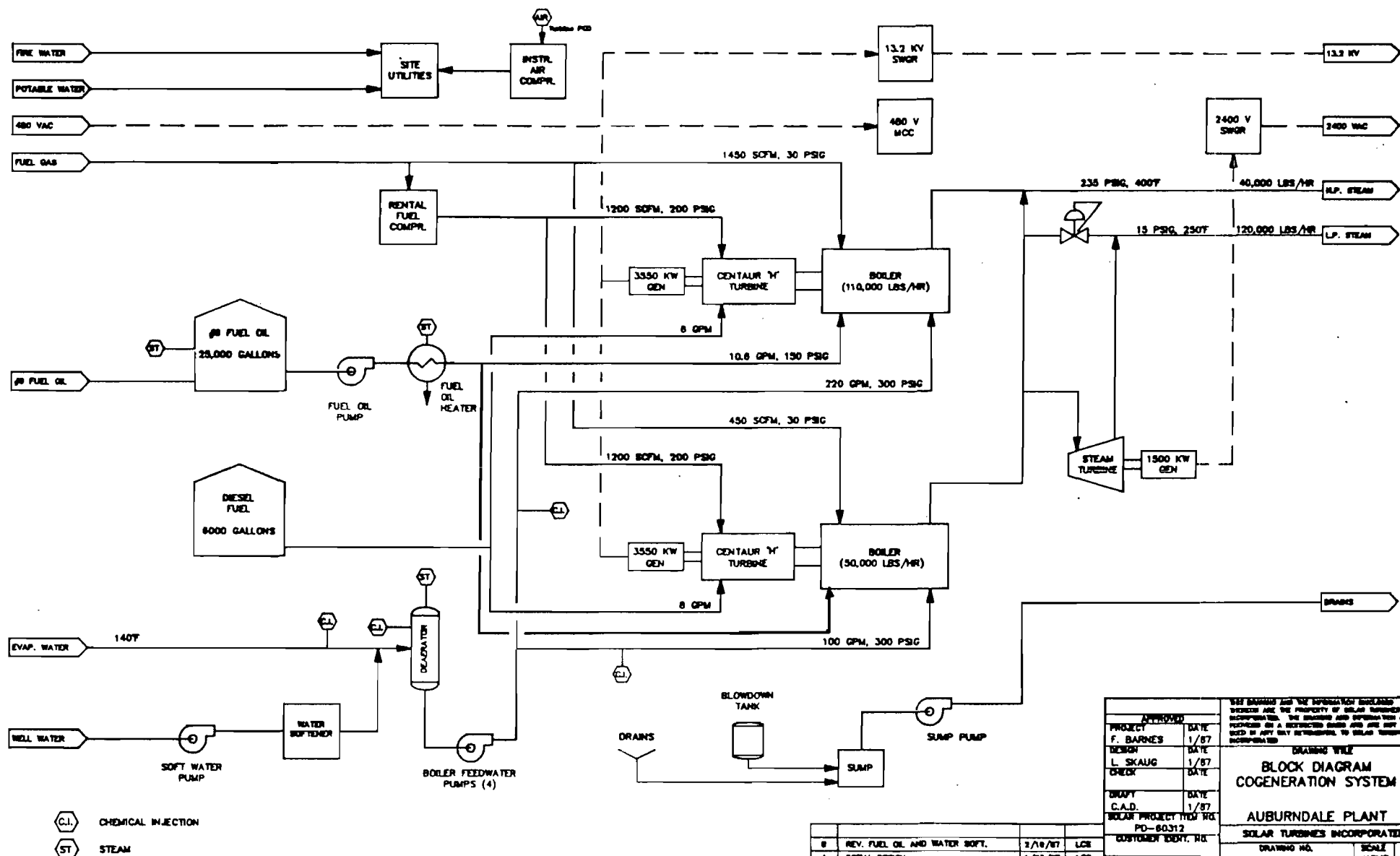
TABLE A-5

Waste Heat Boiler Exhaust
 50,000 lb/hr Steam Production
 Natural Gas Fuel
 Boiler #2

<u>Waste Heat Boiler Exhaust Composition</u>	<u>50,000 lb/hr Steam Production lbs/hr</u>
Oxygen	17,449
Carbon Dioxide	9,686
Water Vapor	8,397
Nitrogen	100,248
Argon	1,701
Carbon Monoxide	2.419
Nitrogen Oxides	30.298
Unburnt Hydrocarbons	0.560
Sulfur Dioxide	0.01
Particulates	---
Total	137,514.287

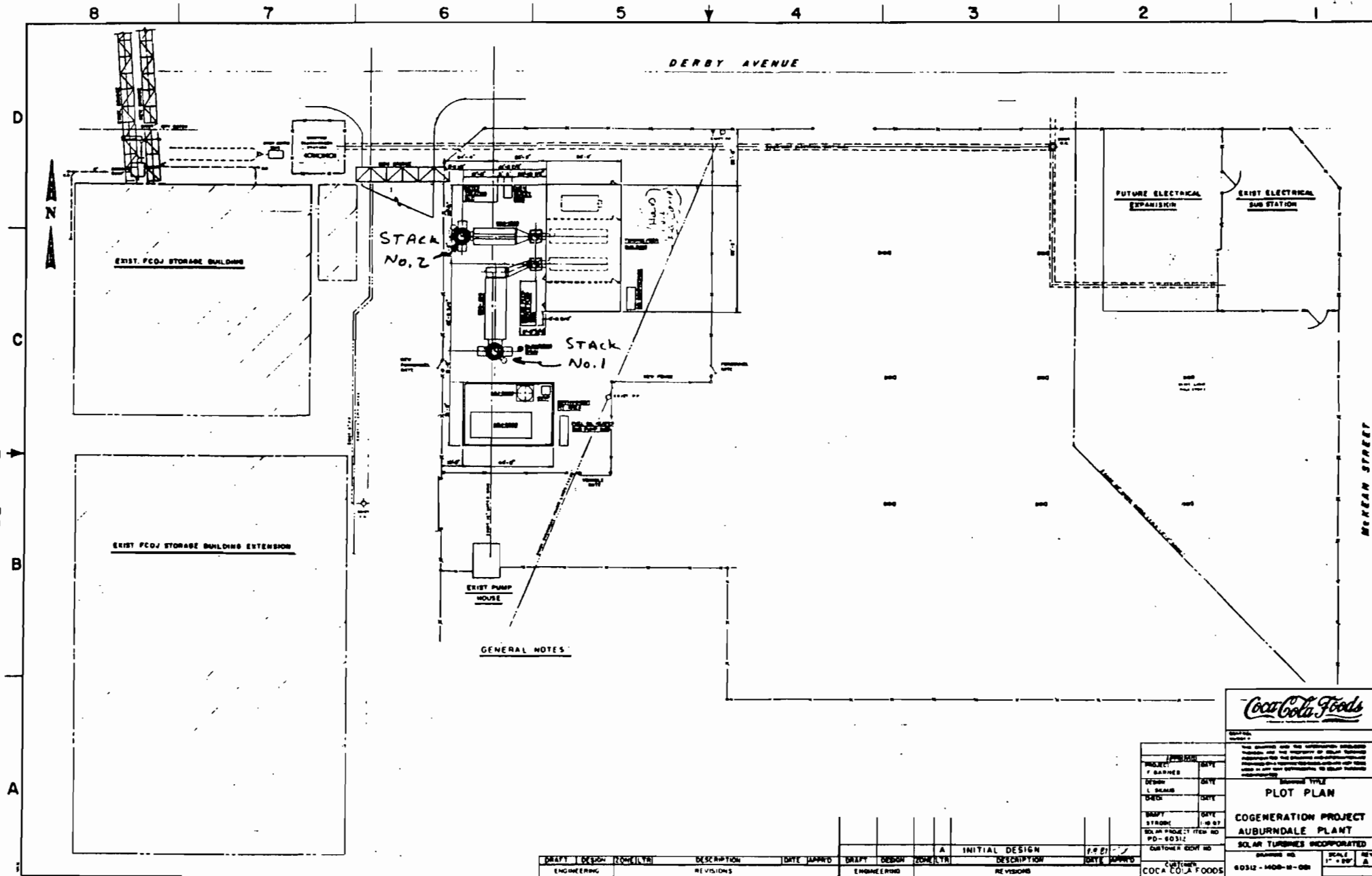
TABLE A-6
Auburndale
Estimated Emissions
Tons per Year

	<u>Turbine</u>	<u>Natural Gas Duct Firing</u>	<u>Air</u>	<u>Oil Duct Firing</u>	<u>Total</u>
O ₂	184,561	(23,166)	1,559	(5,733)	157,221
CO ₂	49,410	17,789	-0-	5,935	73,134
H ₂ O	49,599	11,528	-0-	1,548	62,675
N ₂	833,490	-0-	5,173	-0-	838,663
Ar	14,144	-0-	-0-	-0-	14,144
CO	5.158	8.544	-0-	2.054	15.756
NO _x	226.658	14.238	-0-	3.423	244.319
Unburned HC	2.412	1.282	-0-	0.308	4.002
SO ₂	0.083	-0-	-0-	89.061	89.146
Particulates	-0-	-0-	-0-	0.920	0.920

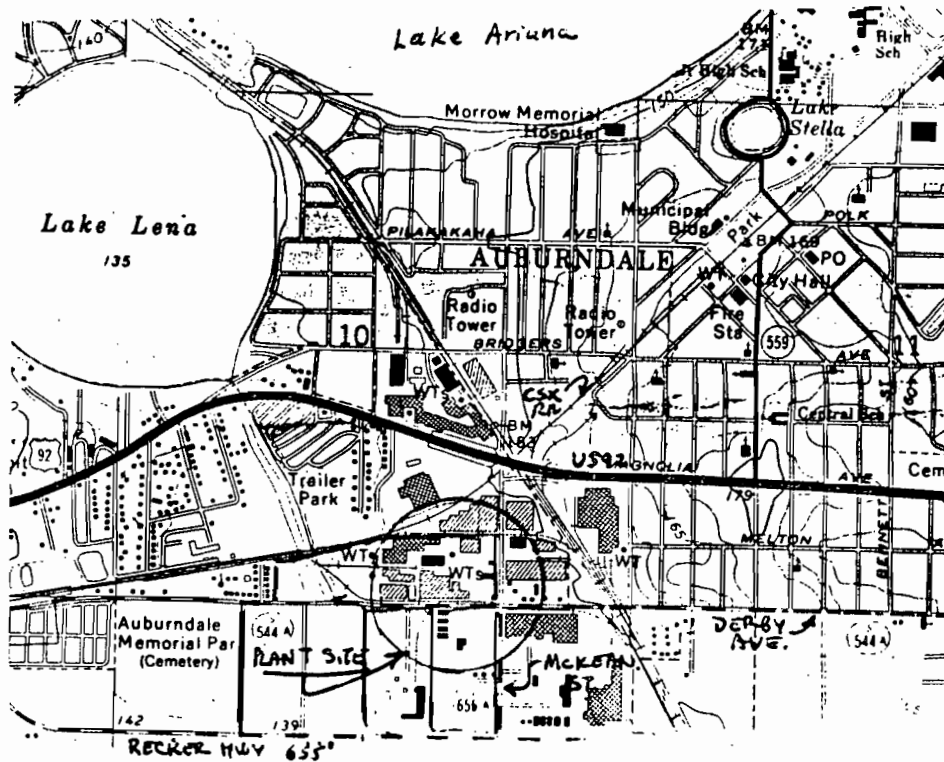


APPROVED		NOTED	
PROJECT	DATE	REVISION	DATE
F. BARNES	1/87		
DESIGN	DATE		
L. SKAUG	1/87		
CHECK	DATE		
DRIFT	DATE		
C.A.D.	1/87		
BOILER PROJECT NO.	PD-60312		
CUSTOMER IDENT. NO.			
Coca Cola Foods		AUBURNDALE PLANT	
		SOLAR TURBINES INCORPORATED	
		DRAWING NO.	SCALE
		60312-1500-F-001	NONE
		REV.	BY

DRAWING "A"



DRAWING "B"



SITE LOCATION

COCA-COLA FOODS

AUBURNDALE

DRAWING "C"

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

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

☐ Yes ☒ No Unit will replace existing unit

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

No change in emission levels proposed - new units are more efficient than existing units and should produce equal or less pollutants. Standby fuel for turbine generator is #2 f.o. which is very low in sulfur. Standby fuel for boiler (duct firing) is #6 f.o. (same as existing units), but would be used for only part of the required fuel - majority would be NG or #2 f.o.
--

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

1. Control Device/System: NONE

2. Operating Principles:

3. Efficiency: *

4. Capital Costs:

*Explain method of determining

NOT APPLICABLE

5. Useful Life:

6. Operating Costs:

7. Energy:

8. Maintenance Costs:

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. Use of low sulfur fuels

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

2. Use of higher efficiency burners

a. Control Device: efficient burners b. Operating Principles: better combustion will reduce quantity of unburned components
c. Efficiency:¹ 91.25% vs. existing 70% d. Capital Cost:
e. Useful Life: (est. by consultants) f. Operating Cost:
g. Energy:² h. Maintenance Cost:
i. Availability of construction materials and process chemicals:

¹Explain method of determining efficiency.

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

NOT APPLICABLE

j. Applicability to manufacturing processes:

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

3.

a. Control Device:

b. Operating Principles:

c. Efficiency:¹

d. Capital Cost:

e. Useful Life:

f. Operating Cost:

g. Energy:²

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

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

4.

a. Control Device:

b. Operating Principles:

c. Efficiency:¹

d. Capital Costs:

e. Useful Life:

f. Operating Cost:

g. Energy:²

h. Maintenance Cost:

i. Availability of construction materials and process chemicals:

j. Applicability to manufacturing processes:

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

F. Describe the control technology selected:

1. Control Device: fuel (#2 backup) and new high efficiency burners

3. Capital Cost:

2. Efficiency:¹ manufacturer claims 91.25% eff. for new system vs. approx. 70% for existing

4. Useful Life: unknown

Complete system - \$5.64 million

5. Operating Cost:

6. Energy:² not applicable

unknown at this time

7. Maintenance Cost:

8. Manufacturer: Solar Turbines Incorporated

unknown at this time

9. Other locations where employed on similar processes: Leesburg plant will also have similar system installed. Not aware of any local firms with this type system.

a. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

¹Explain method of determining efficiency.

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

NOT APPLICABLE

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant

Rate or Concentration

(8) Process Rate:¹

b. (1) Company:

(2) Mailing Address:

(3) City:

(4) State:

(5) Environmental Manager:

(6) Telephone No.:

(7) Emissions:¹

Contaminant

Rate or Concentration

(8) Process Rate:¹

10. Reason for selection and description of systems: System compatible with our needs.

Description of system contained in Section II

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

SECTION VII - PREVENTION OF SIGNIFICANT DETERIORATION

A. Company Monitored Data NOT APPLICABLE

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

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

Other data recorded _____

Attach all data or statistical summaries to this application.

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

NOT APPLICABLE

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 (SIAR) 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 ₂	_____ 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.