

**TITLE V OPERATION
PERMIT APPLICATION**

DEERHAVEN GENERATING STATION

Prepared for:



Gainesville, Florida

Prepared by:



Environmental Consulting & Technology, Inc.

*3701 Northwest 98th Street
Gainesville, Florida 32606*

ECT No. 94615-0301

June 1996

TABLE OF CONTENTS

HARDCOPY SUBMITTAL

<u>Section</u>	<u>Tab</u>
Introduction	Introduction
Signature Pages	Signatures
Facility Supplemental Information	
Area Map Showing Facility Location	Doc. II.E.1
Facility Plot Plans	Doc. II.E.2
Process Flow Diagrams	Doc. II.E.3
Compliance Report, Plan, and Certification	Docs. II.E.14 and 15
Emission Unit Supplemental Information	
Fuel Analysis or Specifications	Doc. III.L.2
Description of Stack Sampling Facilities	Doc. III.L.4
Appendix	
Current Permits	Appendix B

TABLE OF CONTENTS
(Continued, Page 2 of 2)

ELECTRONIC SUBMITTAL

<u>Section</u>	<u>Filename</u>
Application for Air Permit - Long Form (ELSA) (Note - GRU_DH.ZIP contains all of the following supplemental files)	GRU_DH.ZIP
Facility Supplemental Information	
Precautions to Prevent Emissions of Unconfined Particulate Matter	D_IIE4.WP6
Fugitive Emissions Identification	D_IIE5.WP6
List of Proposed Exempt Activities	D_IIE7.WP6
List of Activities Regulated Under Title VI	D_IIE8.WP6
Emission Unit Supplemental Information	
Detailed Description of Control Equipment	D_IIL3.WP6
Procedures for Startup and Shutdown	D_IIL6.WP6
Alternate Methods of Operation	D_IIL10.WP6
Compliance Assurance Monitoring Plan (Reserved)	D_IIL13.WP6
Appendix	
Regulatory Applicability Analysis	APPEND_A.WP6

INTRODUCTION

The City of Gainesville, Gainesville Regional Utilities (GRU) Deerhaven Generating Station located in Gainesville, Alachua County, Florida is a nominal 430 megawatt (MW) electric generation facility. The Deerhaven Generating Station consists of two steam boilers (Unit Nos. 1 and 2), two steam turbines, three simple-cycle combustion turbines (CT Nos. 1, 2, and 3), a recirculating cooling water system, coal, brine salt, fly ash, and bottom ash storage and handling facilities, fuel oil storage tanks, water treatment facilities, and ancillary support equipment. Unit Nos. 1 and 2 have nominal maximum heat inputs of 960 and 2,428 million British thermal units per hour (MMBtu/hr), respectively. CT Nos. 1 and 2 each have a nominal maximum heat input of 298 MMBtu/hr. CT No. 3 has a nominal maximum heat input of 1,100 MMBtu/hr. Unit No. 1 is fired with natural gas, No. 2 fuel oil, and No. 6 fuel oil including used oil fuel. Unit No. 2 is fired with coal, natural gas, and No. 2 fuel oil. CT Nos. 1 through 3 are each fired with natural gas and No. 2 fuel oil.

Current Florida Department of Environmental Protection (FDEP) Operation Permits for the Deerhaven Generating Station are summarized in the following table:

Emission Unit	Permit No.	Issuance Date	Expiration Date
Unit No. 1	AO01-224219	04/30/93	06/01/98
Unit No. 2	PA-74-04	05/16/78	N/A
CT No. 1	AO01-202759	12/13/91	01/01/97
CT No. 2	AO01-199846	10/02/91	10/01/96
CT No. 3	PA 74-04D PSD-FL-212	4/6/95 4/11/95	N/A 06/30/96
Incinerator	AO01-202758	12/13/91	01/01/97

Pursuant to Chapter 62-213.420(1)(a)4., Florida Administrative Code (F.A.C.), the expiration dates of air construction permits for Title V sources that expire between September 1, 1995 and November 1, 1996 are extended to the later of November 1, 1996

or 240 days after commencing operation. Facilities that file a timely and complete Title V permit application are authorized to continue to operate under the terms of existing permits until the Title V permit is issued in accordance with Chapter 62-213.420(1)(b)2., F.A.C.

The GRU Deerhaven Generating Station qualifies as a Title V Source pursuant to Chapter 62-210.200(173), F.A.C., because potential emissions of a regulated air pollutant exceed 100 tons per year. This application package, prepared using Electronic Submission of Application (ELSA) Version 1.3, constitutes GRU's Title V permit application for the Deerhaven Generating Station and is submitted to satisfy the requirements of Chapter 62-213.400, F.A.C.

Signatures

Owner/Authorized Representative or Responsible Official

1. Name and Title of Owner/Authorized Representative or Responsible Official :

Name : Michael L. Kurtz
Title : General Manager

2. Owner or Authorized Representative or Responsible Official Mailing Address :


Organization/Firm : City of Gainesville, GRU
Street Address : P.O. Box 147117 (A134)
City : Gainesville
State : FL Zip Code : 32614-7117

3. Owner/Authorized Representative or Responsible Official Telephone Numbers :

Telephone : (352)334-2811 Fax : (352)334-2277

4. Owner/Authorized Representative or Responsible Official Statement :

I, the undersigned, am the owner or authorized representative of the non-Title V source addressed in this Application for Air Permit or the responsible official, as defined in Rule 62-210.200, F.A.C., of the Title V source addressed in this application, whichever is applicable. I hereby certify, based on information and belief formed after reasonable inquiry, that the statements made in this application are true, accurate and complete and that, to the best of my knowledge, any estimates of emissions reported in this application are based upon reasonable techniques for calculating emissions. The air pollutant emissions units and air pollution control equipment described in this application will be operated and maintained so as to comply with all applicable standards for control of air pollutant emissions found in the statutes of the State of Florida and rules of the Department of Environmental Protection and revisions thereof. I understand that a permit, if granted by the Department, cannot be transferred without authorization from the Department, and I will promptly notify the Department upon sale or legal transfer of any permitted emissions units.*


Signature

6/12/96
Date

* Attach letter of authorization if not currently on file.

Application Processing Fee

Check one :

Attached - Amount : _____ Not Applicable.

Construction/Modification Information

1. Description of Proposed Project or Alterations : N/A
2. Projected or Actual Date of Commencement of Construction :
3. Projected Date of Completion of Construction :

Professional Engineer Certification

1. Professional Engineer Name : Thomas W. Davis Registration Number : 36777
2. Professional Engineer Mailing Address : Organization/Firm : ECT, Inc. Street Address : 3701 NW 98th Street City : Gainesville State : FL Zip Code : 32606-5004
3. Professional Engineer Telephone Numbers : Telephone : (352)332-0444 Fax : (352)332-6722

4. Professional Engineer Statement :

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

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

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

If the purpose of this application is to obtain a Title V source air operation permit (check here [X] if so), I further certify that each emissions unit described in this Application for Air Permit, when properly operated and maintained, will comply with the applicable requirements identified in this application to which the unit is subject, except those emissions units for which a compliance schedule is submitted with this application.

If the purpose of this application is to obtain an air construction permit for one or more proposed new or modified emissions units (check here [] if so), I further certify that the engineering features of each such emissions unit described in this application have been designed or examined by me or individuals under my direct supervision and found to be in conformity with sound engineering principles applicable to the control of emissions of the air pollutants characterized in this application.

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

Thomas W. Dur

Signature

6/13/96

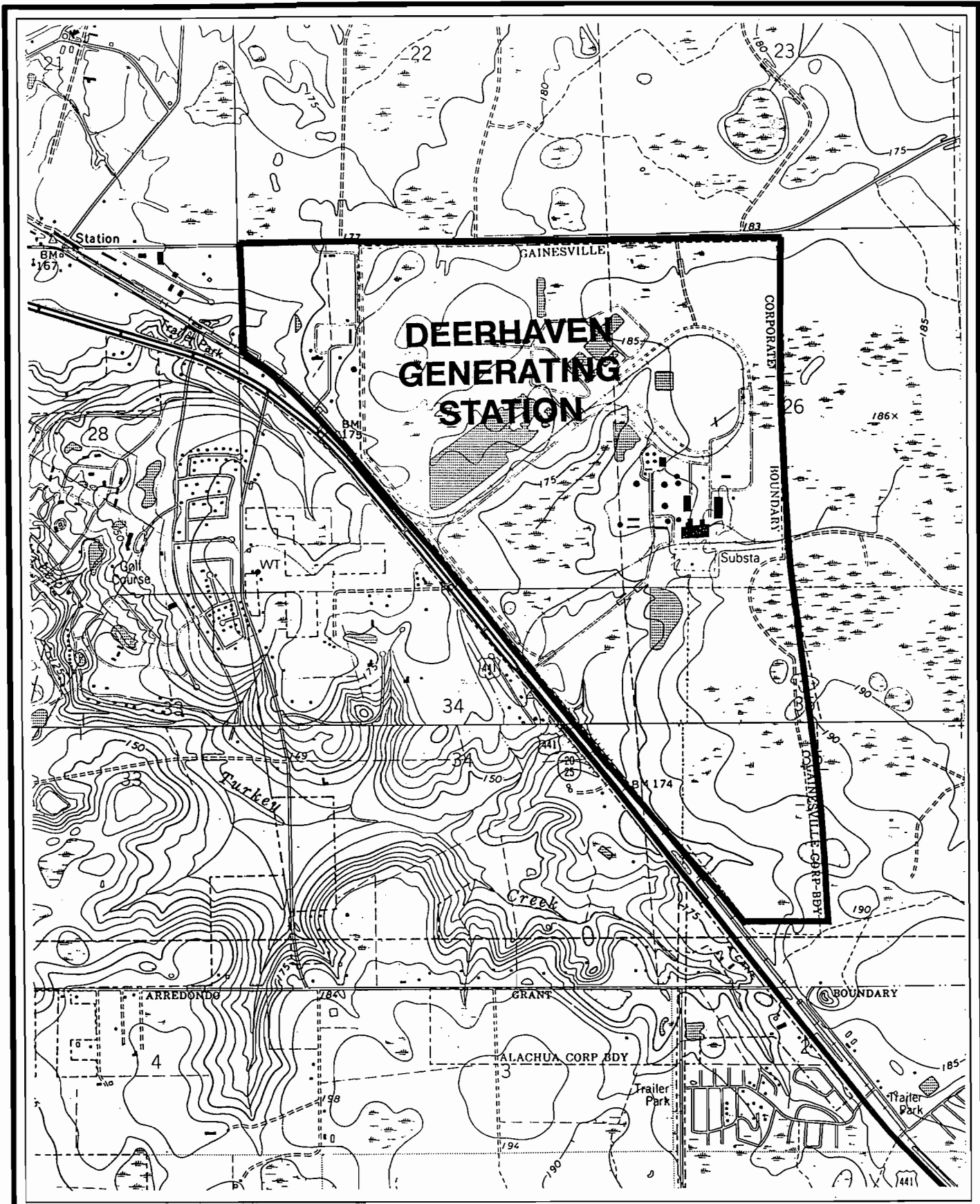
Date

* Attach any exception to certification statement.

DOC. II. E. I

II.E.1

AREA MAP



DOCUMENT II.E.1.

DEERHAVEN GENERATING STATION AREA MAP

Sources: USGS Quad, Alachua, FL, 1993.



II.E.2

FACILITY PLOT PLANS

**DEERHAVEN GENERATING STATION
EMISSION SOURCE KEY**

Emission Unit ID	Emission Point ID	Application Emission Unit ID	Emission Unit Description
Combustion Sources			
003	DH-1	E.U. 1	Steam Electric Generator Unit No. 1
005	DH-2	E.U. 2	Steam Electric Generator Unit No. 2
001	DHCT-1	E.U. 3	Combustion Turbine No. 1
002	DHCT-2	E.U. 4	Combustion Turbine No. 2
Unknown	DHCT-3	E.U. 5	Combustion Turbine No. 3
004	INC-001	E.U. 7	Incinerator
Coal Handling and Storage			
No ID	CH-001	E.U. 6	Railcar Unloading; Bottom Discharge
No ID	CH-002	E.U. 6	Belt Conveyor 2 to Belt Conveyor 3A
No ID	CH-003	E.U. 6	Belt Conveyor 2 to Belt Conveyor 3B
No ID	CH-004	E.U. 6	Belt Conveyor 3A to Storage Pile
No ID	CH-005	E.U. 6	Belt Conveyor 3B to Storage Pile
No ID	CH-006	E.U. 6	Belt Conveyor 3A to Ready Storage Pile
No ID	CH-007	E.U. 6	Belt Conveyor 3B to Episodic Storage Pile
No ID	CH-008	E.U. 6	Main Storage Pile
No ID	CH-009	E.U. 6	Dozer Operations on Storage Pile

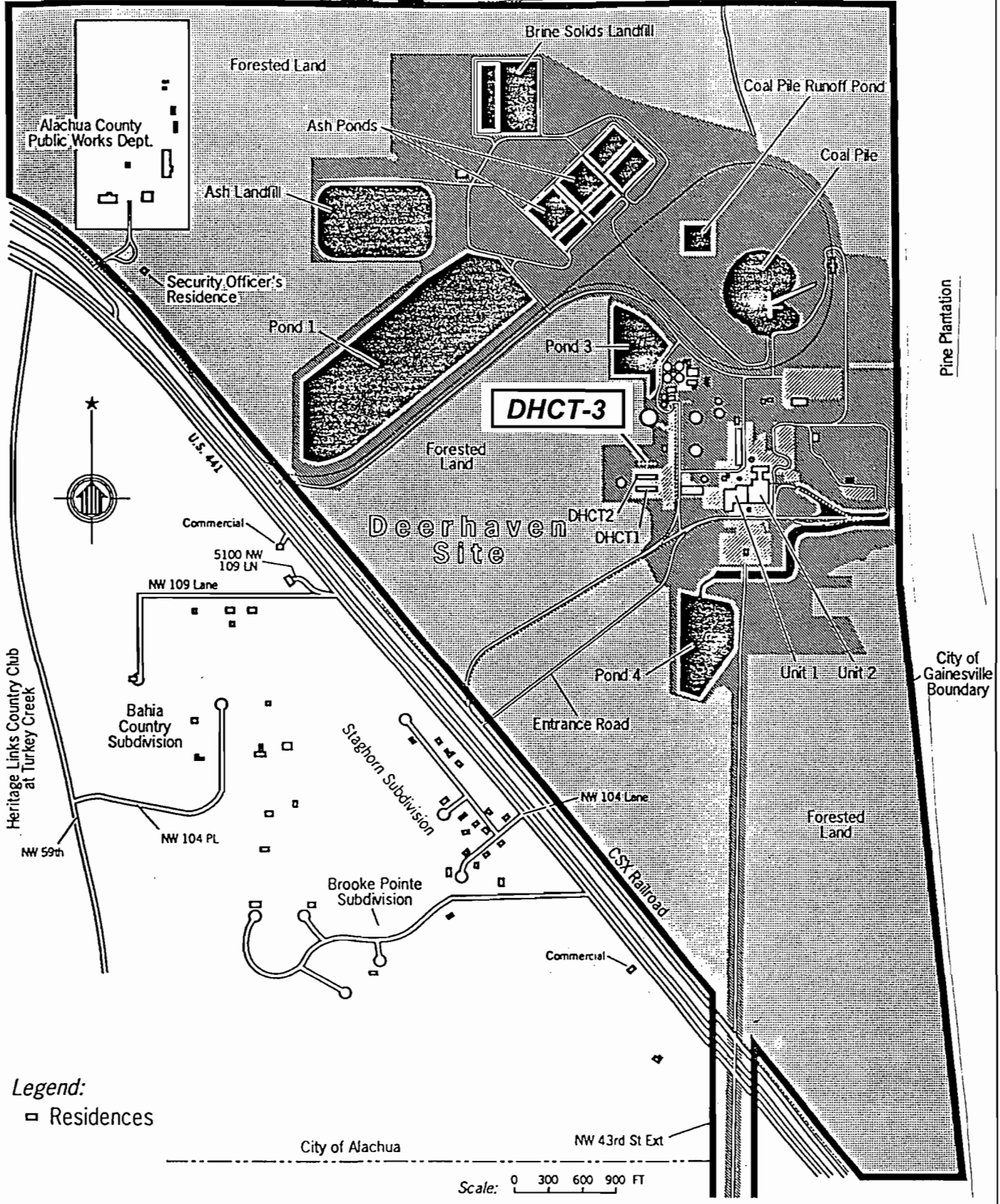
**DEERHAVEN GENERATING STATION
EMISSION SOURCE KEY**

Emission Unit ID	Emission Point ID	Application Emission Unit ID	Emission Unit Description
Coal Handling and Storage (continued)			
No ID	CH-010	E.U. 6	Crusher Building (Baghouse)
No ID	CH-011	E.U. 6	Bunkers (Baghouse)
Facility Miscellaneous Unregulated¹			
No ID	FH-001	E.U. 8	Pneumatic Transfer of Fly Ash from DH-2 to Fly Ash Silo
No ID	FH-002	E.U. 8	Pneumatic Transfer of Fly Ash from DH-2 to Fly Ash Silo
No ID	FH-003	E.U. 8	Dry Transfer from Fly Ash Silo to Trucks (Vented to Baghouse)
No ID	FH-004	E.U. 8	Dry Transfer from Fly Ash Silo to Trucks (Fugitives)
No ID	FH-005	E.U. 8	Wet (Pug Mill) Transfer from Fly Ash Silo to Trucks (Fugitives)
No ID	FH-006	E.U. 8	Fly Ash Trucks to Onsite Landfill, Full
No ID	FH-007	E.U. 8	Fly Ash Trucks to Onsite Landfill, Empty
No ID	FH-008	E.U. 8	Fly Ash Trucks to Offsite Disposal, Full
No ID	FH-009	E.U. 8	Fly Ash Trucks to Offsite Disposal, Empty
No ID	FH-010	E.U. 8	Transfer of Wet Fly Ash from Trucks to Onsite Landfill
No ID	FH-011	E.U. 8	Dozer Operations on Fly Ash Landfill
No ID	FH-012	E.U. 8	Fly Ash Landfill
No ID	WT-001	E.U. 8	Groundwater Aerator

**DEERHAVEN GENERATING STATION
EMISSION SOURCE KEY**

Emission Unit ID	Emission Point ID	Application Emission Unit ID	Emission Unit Description
Facility Miscellaneous Unregulated¹			
No ID	WT-002	E.U. 8	Lime Silo
No ID	WT-003	E.U. 8	Soda Ash Silo
No ID	WT-004	E.U. 8	Brine Spray Dryer
No ID	WT-005	E.U. 8	Loading of Dried Brine to Trucks
No ID	WT-006	E.U. 8	Brine Trucks to Onsite Landfill, Full
No ID	WT-007	E.U. 8	Brine Trucks to Onsite Landfill, Empty
No ID	WT-008	E.U. 8	Unloading of Brine from Trucks to Onsite Landfill
No ID	WT-009	E.U. 8	Brine Landfill
No ID	WT-010	E.U. 8	Dozer Operations on Brine Landfill

¹ Unregulated emission unit; sources not shown on location or process flow diagrams.



Legend:
 □ Residences

City of Alachua

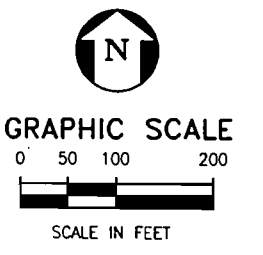
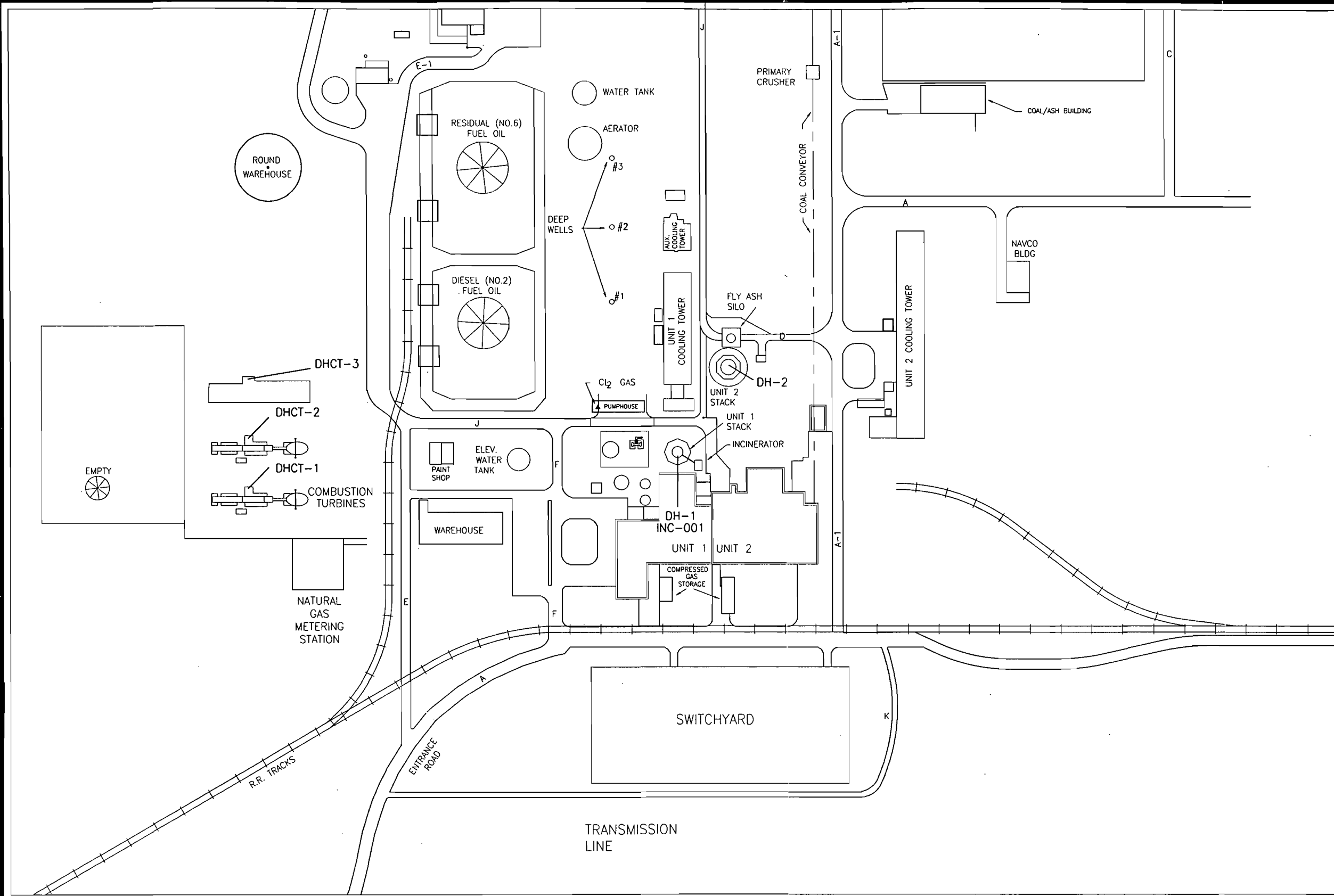
NW 43rd St Ext

Scale: 0 300 600 900 FT

DOCUMENT I.I.E.2.A.
 DEERHAVEN STATION
 OVERALL FACILITY PLOT PLAN

Sources: GRU, 1996.

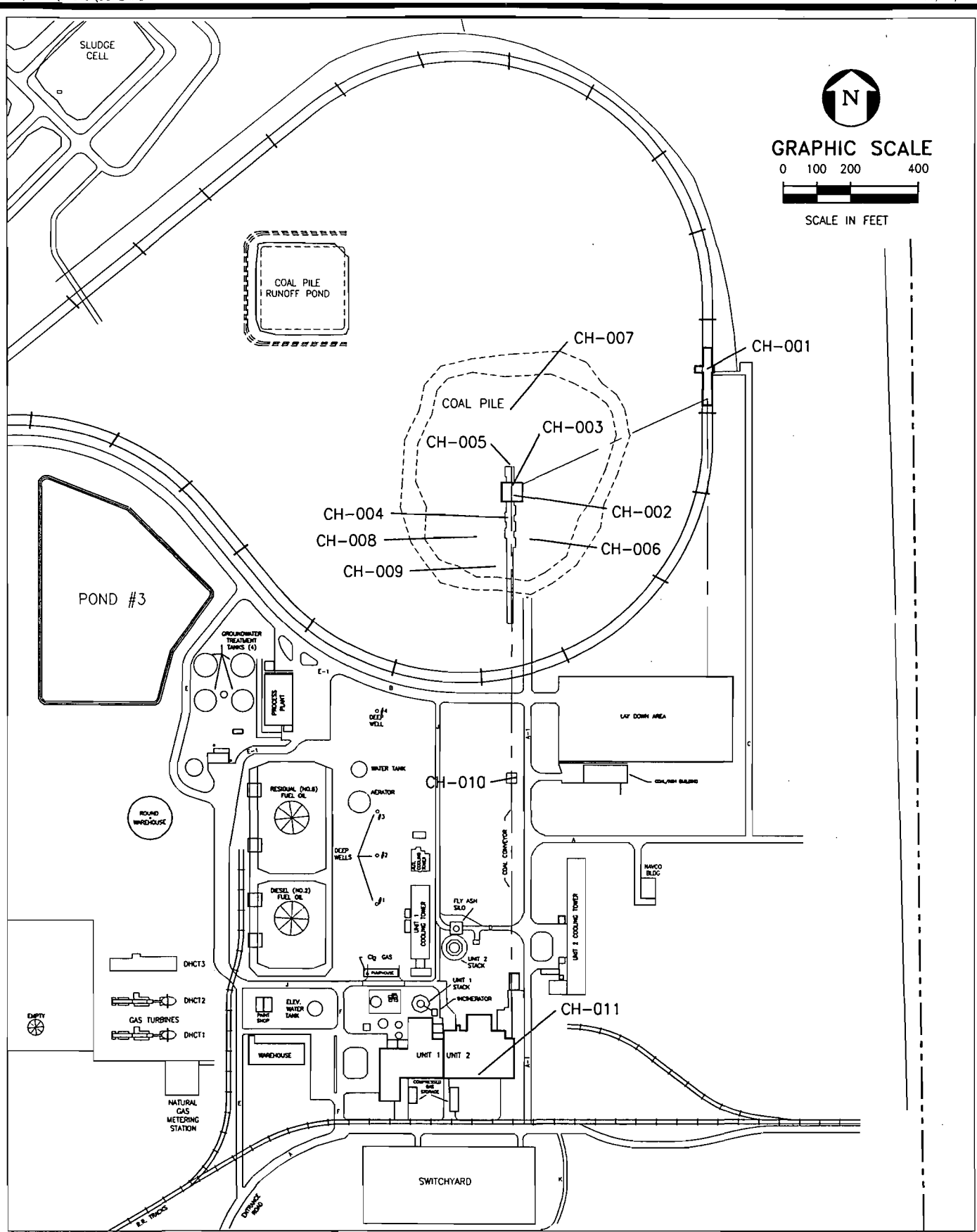




DOCUMENT II.E.2.B.
 DEERHAVEN STATION
 COMBUSTION EMISSION SOURCES

Sources: GRU, 1995. ECT, 1995.





DOCUMENT IIE.2.C.

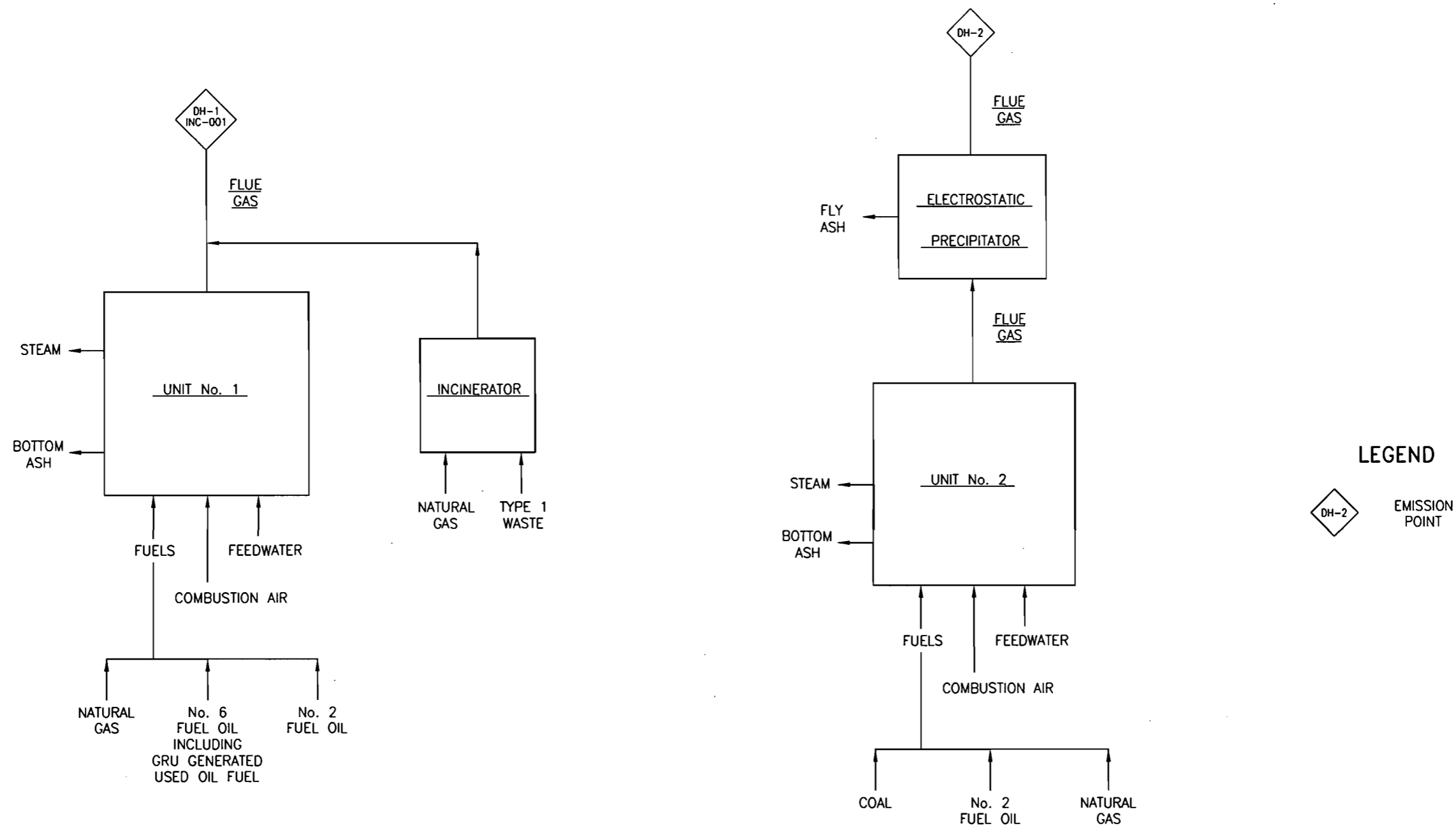
DEERHAVEN STATION - COAL HANDLING AND STORAGE EMISSION SOURCES

Sources: GRU, 1995. ECT, 1995.



II.E.3

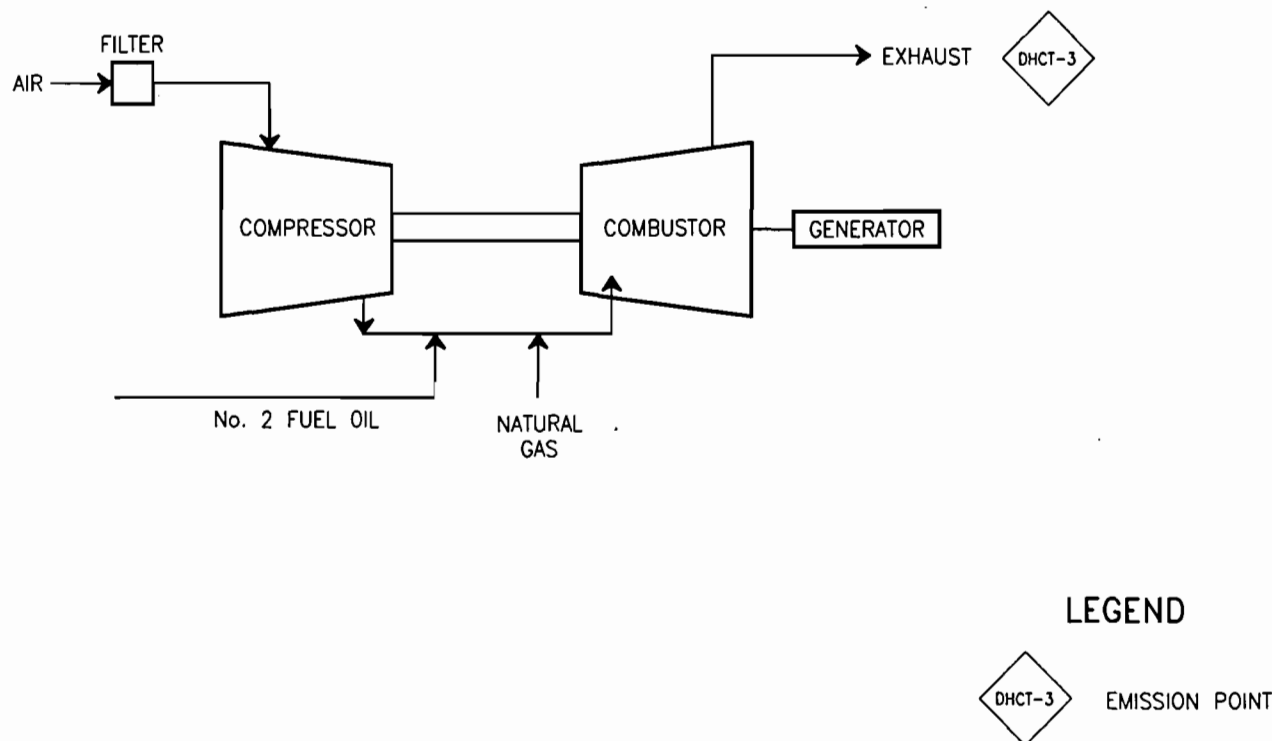
PROCESS FLOW DIAGRAMS



DOCUMENT II.E.3.A.
 DEERHAVEN STATION
 BOILER PROCESS FLOW DIAGRAM

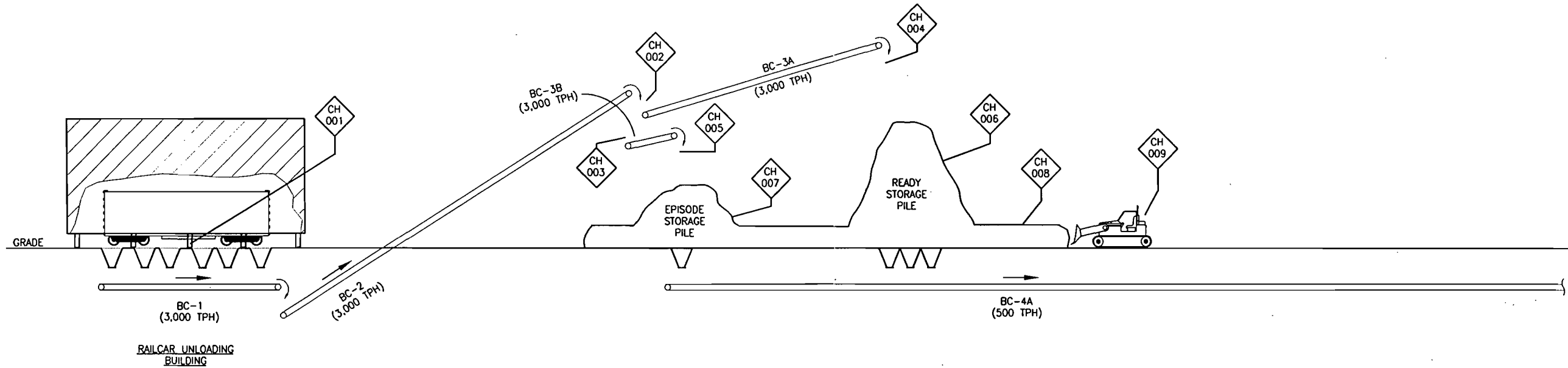
Sources: ECT, 1995.



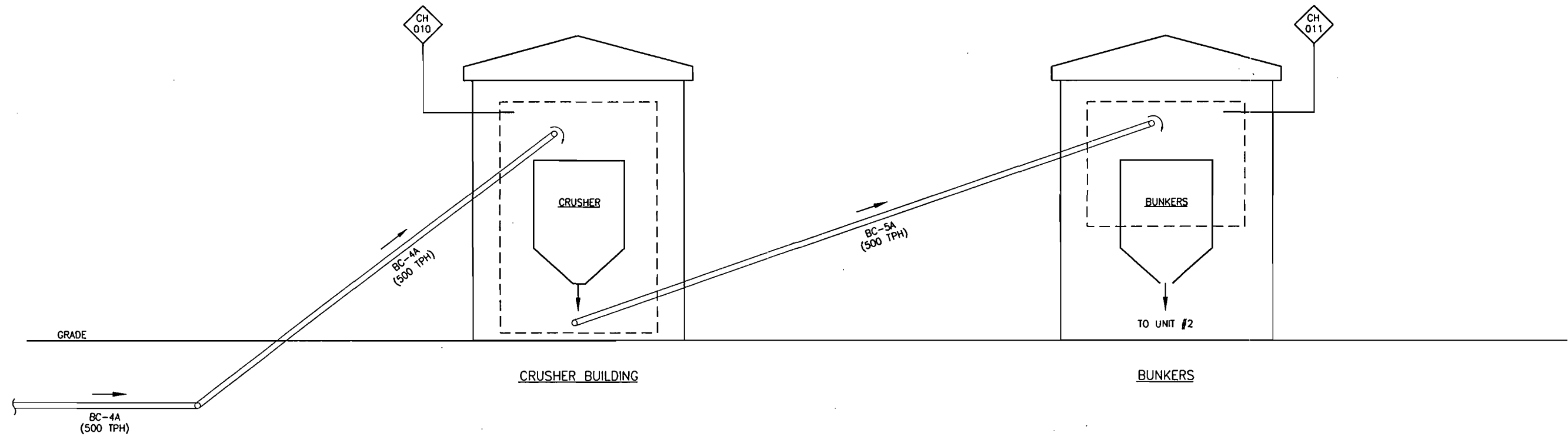
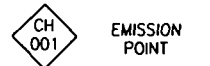


DOCUMENT II.E.3.B.
DEERHAVEN STATION
COMBUSTION TURBINE PROCESS FLOW DIAGRAM
Source: ECT, 1996.





LEGEND



DOCUMENT II.E.3.C.

DEERHAVEN STATION
COAL HANDLING PROCESS FLOW DIAGRAM

Sources: ECT, 1995.



II.E.14 & 15

COMPLIANCE REPORT, PLAN,
AND CERTIFICATION

**COMPLIANCE REPORT, PLAN,
AND CERTIFICATION**

1. **Compliance Report and Plan**

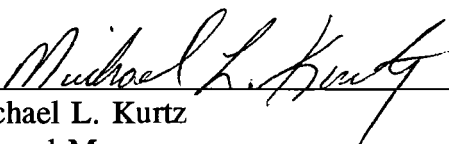
Appendix A to this application identifies (and explains) the requirements that are applicable to the facility and emission units that comprise this Title V source. As of the date of this application submittal, the facility and emission units are in compliance with the respective applicable requirements, except arguably for Condition I.A.5.b. of the Conditions of Site Certification, as amended, and Rule 62-210.650 F.A.C. (regarding the coal handling operations only). The City of Gainesville, Gainesville Regional Utilities, is in the process of seeking clarification from the Florida Department of Environmental Protection as to what particulate matter control devices may be required for the coal handling operations. These coal handling facilities comply with the 20 percent opacity standard established in Condition I.A.5.a., but there is some question as to what pollution control devices are required. Therefore, the attached resolution schedule has been included to address this issue.

2. **Proposed Schedule for the Submission of Periodic Compliance Statements Throughout the Permit Term**

Compliance statements are proposed to be submitted on an annual basis consistent with FDEP Rule 62-213.440(3)(b), F.A.C. Compliance statement submittal date is proposed to be March 1st of each year consistent with the schedule required by 40 CFR 72.90.

3. **Compliance Certification**

I, the undersigned, am the responsible official as defined in Chapter 62-210.200, F.A.C., of the Title V source for which this report is being submitted. I hereby certify, based on information and belief formed after responsible inquiry, that the statements made and data contained in this report are true, accurate, and complete.



Michael L. Kurtz
General Manager



Date

**CITY OF GAINESVILLE, GAINESVILLE REGIONAL UTILITIES
DEERHAVEN GENERATING STATION
COAL HANDLING RESOLUTION SCHEDULE**

- (1) By August 1, 1996, the City of Gainesville, Gainesville Regional Utilities, will again contact the Florida Department of Environmental Protection requesting clarification as to what pollution control devices may be required for the coal handling facilities under Condition I.A.5.b. of the Conditions of Certification, as amended. The City of Gainesville, Gainesville Regional Utilities, will provide additional data to support its position that certain control devices are not needed to meet the opacity standard set forth in Condition I.A.5.a.
- (2) The City of Gainesville, Gainesville Regional Utilities, will meet with appropriate representatives from the Florida Department of Environmental Protection at their earliest convenience to discuss this issue.
- (3) Within 90 days of the Department's decision regarding Condition I.A.5.b., the City of Gainesville, Gainesville Regional Utilities, will submit a new compliance certification and an implementation schedule, if necessary, reflecting the results of the Department's decision regarding Condition I.A.5.b.
- (4) A progress report will be provided to the Bureau of Air Regulation by December 31, 1996 and every six month thereafter until the issue is resolved.

III.L.2

FUEL ANALYSES OR SPECIFICATIONS

FUEL SPECIFICATIONS

A. No. 2 Diesel Fuel

Parameter	Units	Specification
Heat Content, Min.	Btu/gal	137,000
Sulfur Content, Max.	Weight %	0.05
Fuel Bound Nitrogen	Weight %	0.015
Ash Content, Max.	Weight %	0.05

B. No. 6 Fuel Oil

Parameter	Units	Specification
Heat Content, Min.	Btu/gal	150,000
Sulfur Content, Max.	Weight %	1.5
Ash Content, Max.	Weight %	0.05

C. Coal

Parameter	Units	Specification
Heat Content, Min.	Btu/lb	13,000
Sulfur Content, Max.	lb SO ₂ /MMBtu	1.20
Ash Content, Max.	Weight %	10.0
Moisture, Max	Weight %	8.0

D. Used Oil

Meets specifications of 40 CFR 279.11.

FLORIDA GAS TRANSMISSION COMPANY

Spot Analysis of Natural Gas for Delivery in Florida (Brooker Chromatograph)

DATE: April 30, 1996
TIME: 12:56

<u>Component Name</u>	<u>Mole %</u>
Hexane	0.073
Propane	0.549
Isobutane	0.140
n-Butane	0.116
Isopentane	0.045
n-Pentane	0.027
Nitrogen	0.364
Methane	95.100
CO ₂	0.921
Ethane	2.666
Totals	100.000

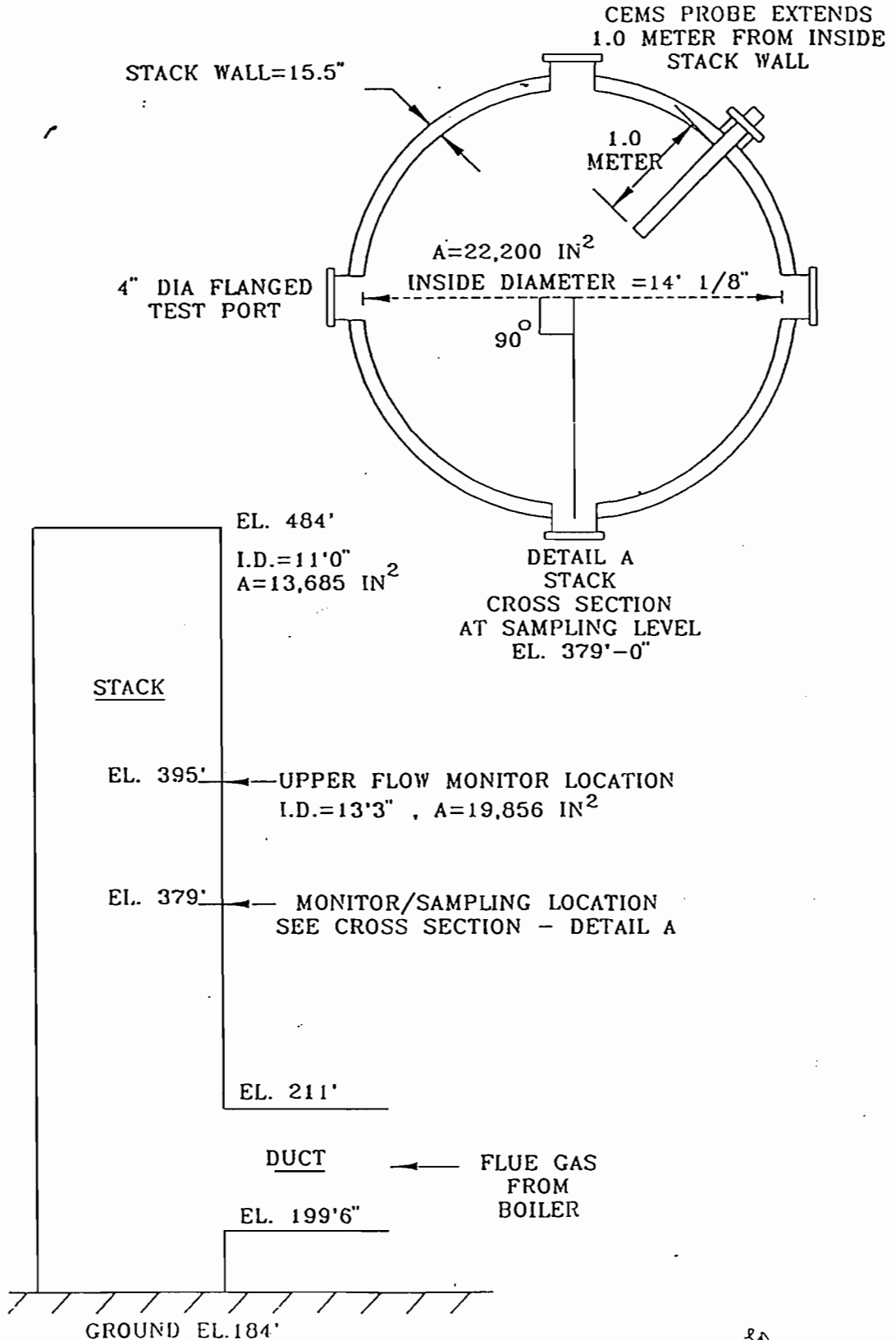
Dry Btu/cf @ 14.730 psia and 60°F = 1041.1
Real Relative Density = 0.5906

Total Sulfur	6.3 PPM
H ² S	1.3 PPM
H ² O	2.1 lb/MMcf

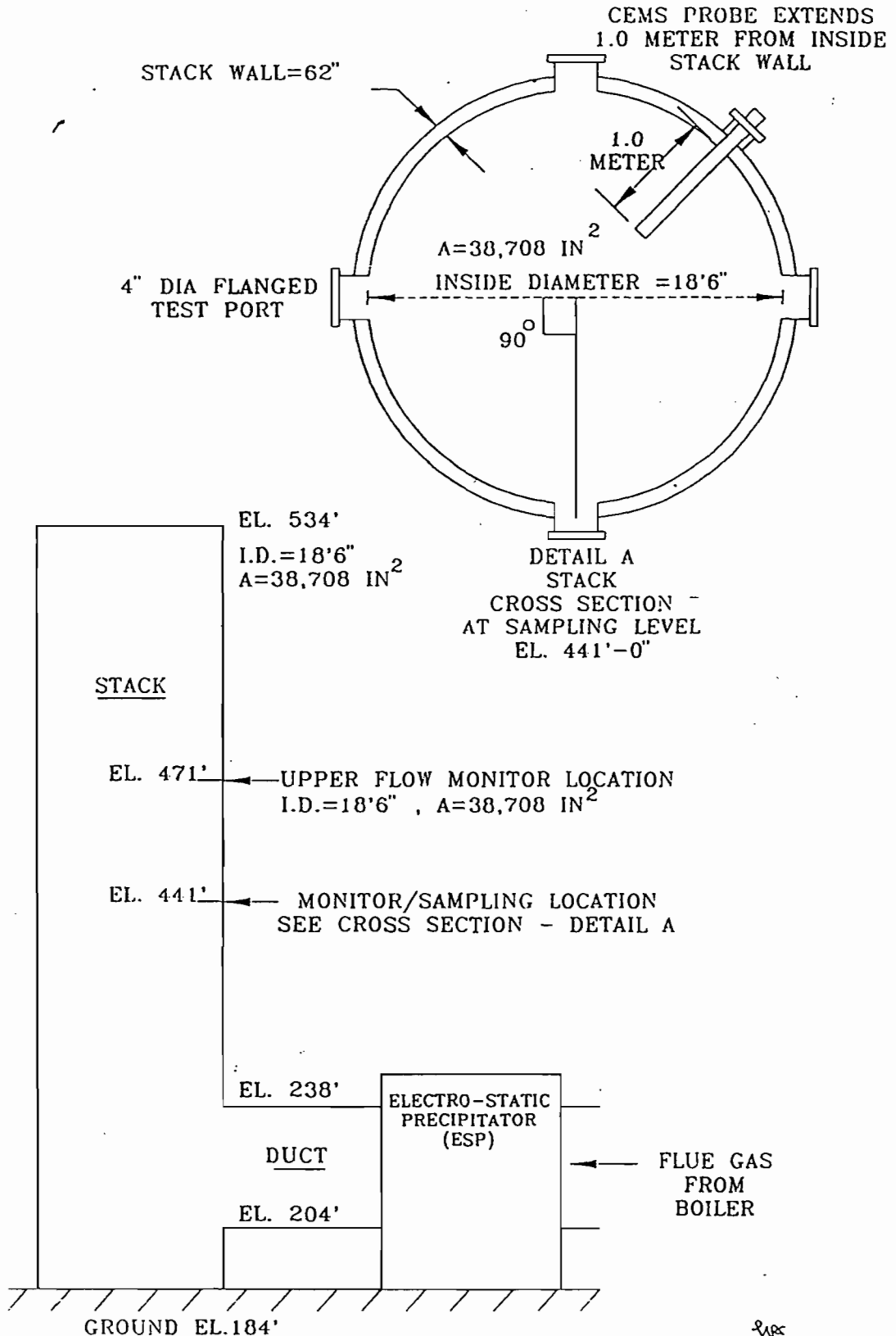
III.L.4

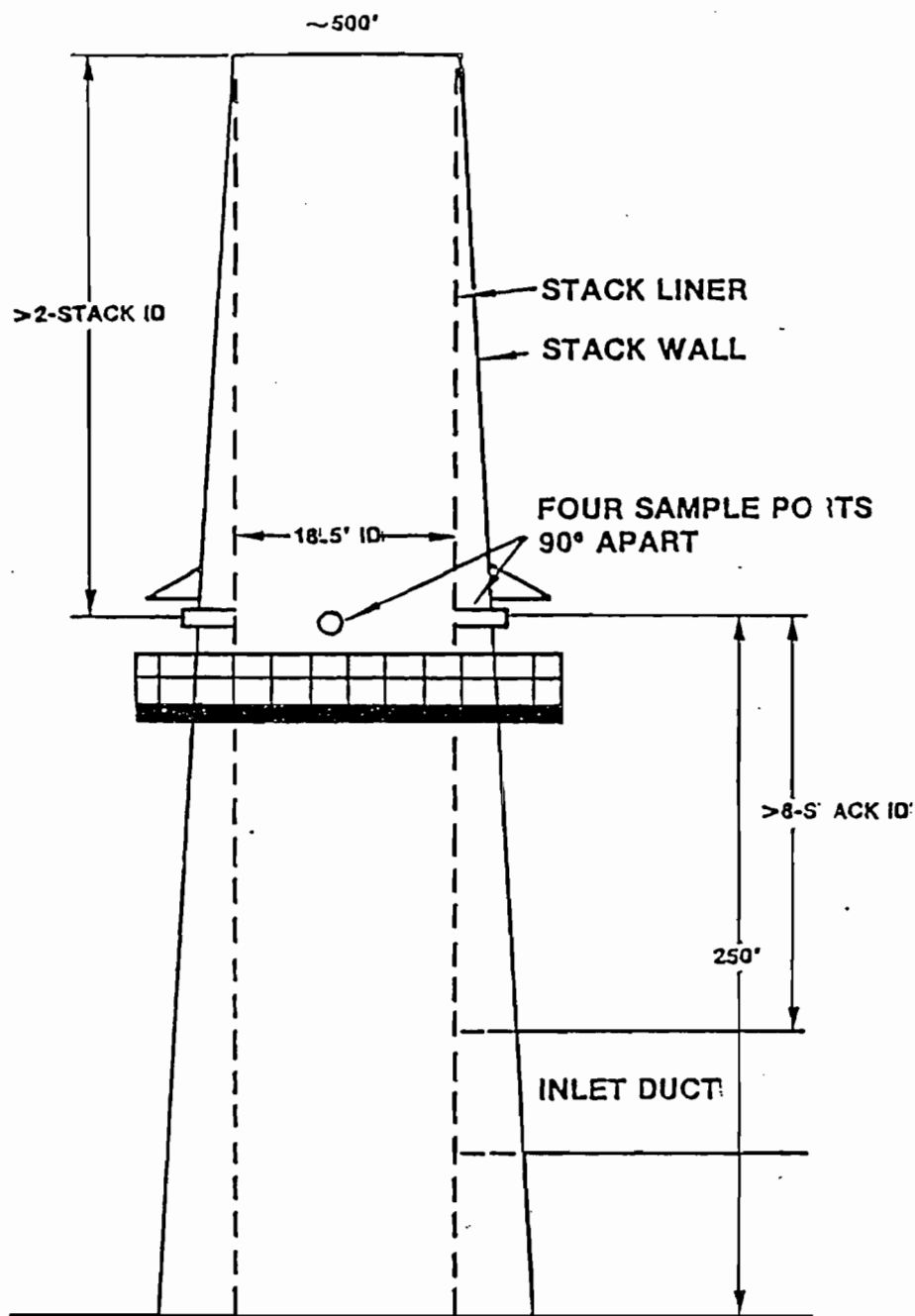
DESCRIPTION OF STACK SAMPLING FACILITIES

ATTACHMENT NO.2
 MONITORING PLAN PART 2, STEP 2
 ENGINEERING DRAWING FOR DEERHAVEN UNIT 1
 ORIS CODE : 663
 NADB BOILER ID: B1



ATTACHMENT NO.2
 MONITORING PLAN PART 2, STEP 2
 ENGINEERING DRAWING FOR DEERHAVEN UNIT 2
 ORIS CODE : 663
 NADB BOILER ID: B2





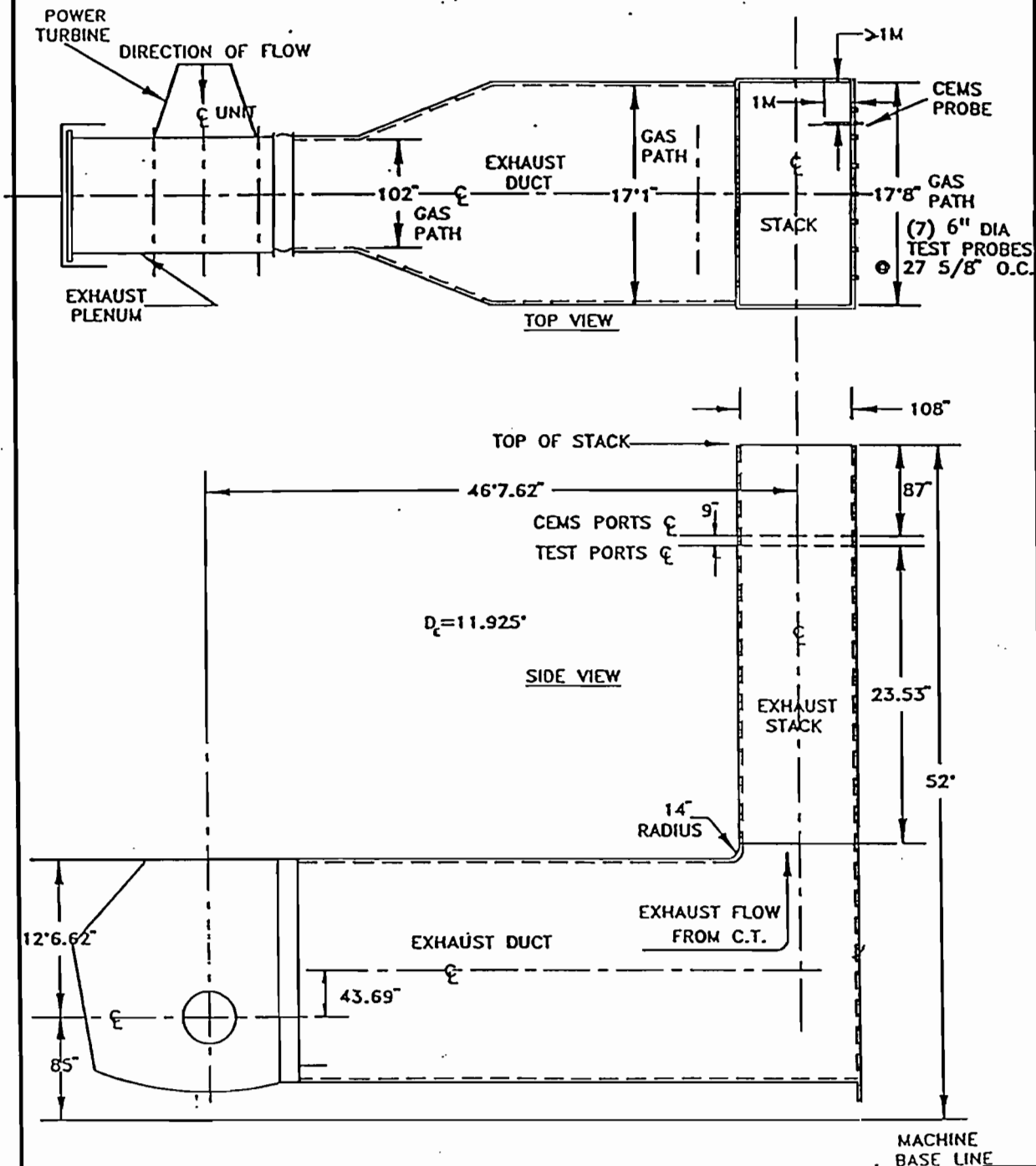
TRAVERSE POINT	INCHES FROM INSIDE OF STACK WALL
1	9.77
2	32.41
3	65.71

Figure 1
SAMPLING POINT LOCATION, UNIT 2

SOURCE: ESE, 1983

GAINESVILLE REGIONAL
UTILITIES

FIGURE 2-1
DEERHAVEN CT3
EXHAUST STACK CONFIGURATION



CPU			
TITLE: CT3 MONITORING PLAN EXHAUST STACK CONFIG			
PLANT: DEERHAVEN			
DATE	BY	CHKD	APP'D
DESIGNED	CHECKED	APPROVED	DATE

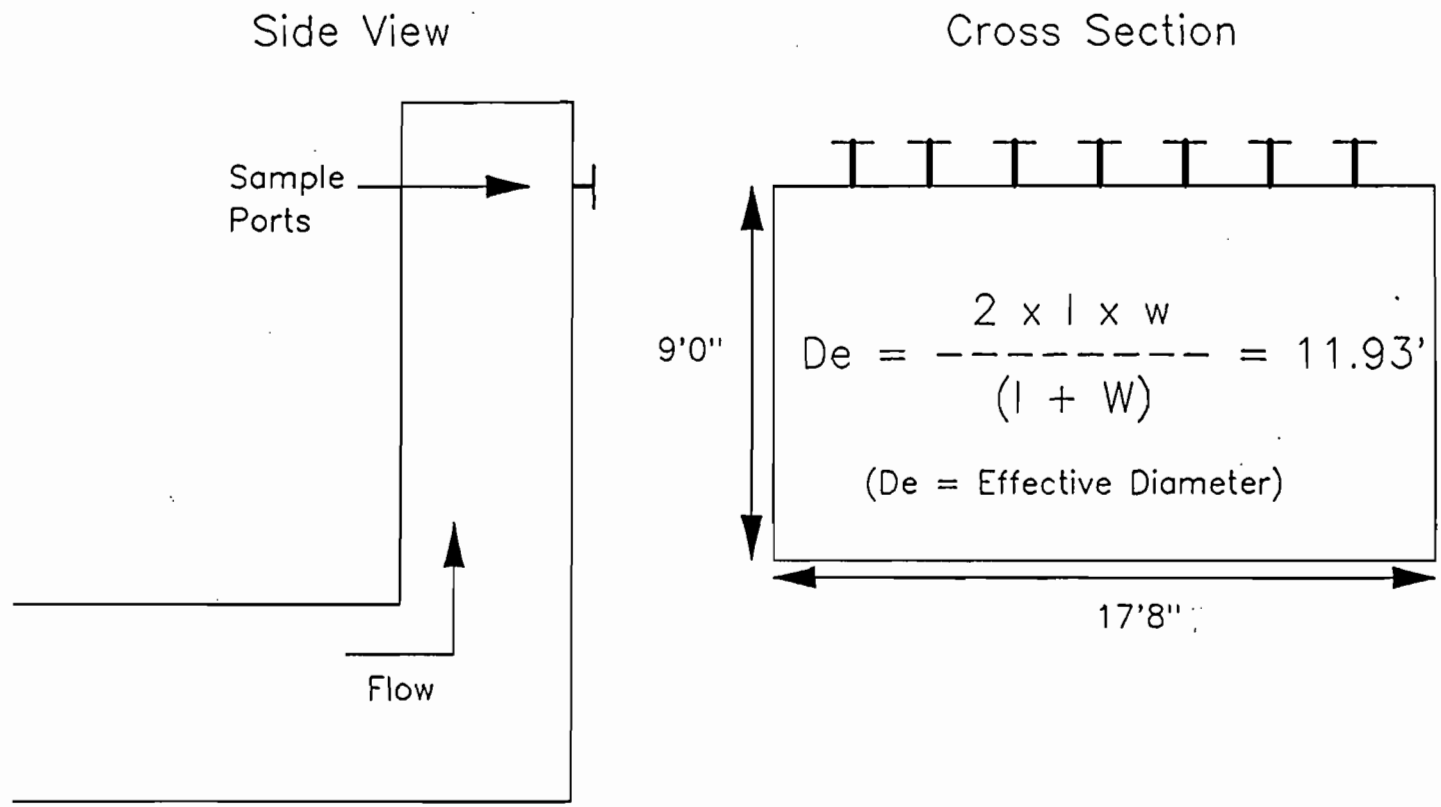


Figure 2-2. GRU Deerhaven CT#3 - Sampling Location Schematic Diagram.

APPENDIX B
CURRENT PERMITS



Florida Department of Environmental Protection

Lawton Chiles
Governor

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7577
NOTICE OF PERMIT ISSUANCE

Virginia B. Wetherell
Secretary

CERTIFIED - RETURN RECEIPT

Mr. Randy C. Casserleigh
Power Plant Manager
Gainesville Regional Utilities
Post Office Box 147117
Gainesville, Florida 32614-7117

RECEIVED DEC 16 1993

Dear Mr. Casserleigh:

Alachua County - AP
Gainesville Regional Utilities
No. 1 Unit at Deerhaven

Enclosed is Permit Number A001-224219 (Revised) to operate the subject air pollution source, pursuant to Section 403.087, Florida Statutes (FS).

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

The Petition shall contain the following information;

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

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

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

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

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

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

Administration 448-4300
Air 448-4310
Waste Management 448-4320

Recycled Paper

Water Facilities 448-4330
Water Management 448-4340
FAX 448-4366

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

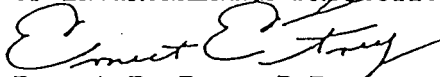
If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard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

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

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION



Ernest E. Frey, P.E.
Director of District Management

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

Betty J. Allen 12-14-83
Clerk Date

EEF:bt
bt

cc: Douglas C. Beck, P.E.
Yolanta Jonynas, Sr., Electric Utility Environmental Engineer
Alachua County Office Environmental Protection



Florida Department of Environmental Protection

Lawton Chiles
Governor

Northeast District
7825 Baymeadows Way, Suite B200
Jacksonville, Florida 32256-7577

Virginia B. Wetherell
Secretary

PERMITTEE:

Gainesville Regional Utilities
Post Office Box 147117
Gainesville, Florida 32614-7117

I.D. Number: 31JAX01000603
Permit/Cert Number: A001-224219
Date of Issue: April 30, 1993
REVISED: 12-14-93
Expiration Date: June 1, 1998
County: Alachua
Latitude/Longitude: 29°45'31"N; 82°23'18"W
Project: No. 1 Unit at Deerhaven
UTM: E-(17)364.9; N-3296.2

This permit is issued under the provisions of Chapter(s) 403, Florida Statutes, and Florida Administrative Code Rule(s) 17-210, 17-212, 17-272, 17-296, 17-297 and 17-4. The above named permittee is hereby authorized to perform the work or operate the facility shown on the application and approved drawing(s), plans, and other documents attached hereto or on file with the department and made a part hereof and specifically described as follows:

For the operation of Deerhaven Station, No. 1 Unit, a fossil fuel steam generator.

Located on U.S. 441, 8 miles northwest of Gainesville, Alachua County, Florida.

In accordance with:

Operation permit application dated 09-12-77
Renewal permit application dated 04-22-83
Renewal permit application received 03-28-88
Renewal permit application received 01-11-93
Additional Information received 02-02-93

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GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, Florida Statutes. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.
2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.
3. As provided in Subsections 403.087(6) and 403.722(5), Florida Statutes, the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.
4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.
5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of Florida Statutes and Department rules, unless specifically authorized by an order from the Department.
6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed and used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.
7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a reasonable time, access to the premises, where the permitted activity is located or conducted to:
 - a. Have access to and copy any records that must be kept under the conditions of the permit;

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

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

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

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

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

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

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

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

11. This permit is transferable only upon Department approval in accordance with Florida Administrative Code Rules 17-4.120 and 17-730.300, F.A.C., as applicable. The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

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

13. This permit also constitutes:

- () Determination of Best Available Control Technology (BACT)
- () Determination of Prevention of Significant Deterioration (PSD)
- () Compliance with New Source Performance Standards (NSPS)

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14. The permittee shall comply with the following:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- c. Records of monitoring information shall include:
 - the date, exact place, and time of sampling or measurements;
 - the person responsible for performing the sampling or measurements;
 - the dates analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - the results of such analyses.

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

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SPECIFIC CONDITIONS:

1. The ID Number and Project Name for this source shall be used on all correspondences.
2. The maximum heat input (operating) rates are listed below and shall not be exceeded without prior Department approval:

Rate	Fuel
960 MMBTU/hr ¹	Natural gas
960 MMBTU/hr ²	No. 6 Fuel oil
----- ³	GRU Generated used oil ⁴
----- ⁵	#2 Fuel oil

¹Basis: 0.82 MMCF/hr and 1170.7 MMBTU/MMCF. This basis is not to be construed as a permit limitation.

²Basis: 129 bbls/hr. This basis is not to be construed as a permit limitation.

³Include an estimate of the total quantity of used oil generated during the applicable calendar year in the AOR (Annual Operation Report)

⁴Shall be burned in accordance with the applicable provisions of 40 CFR Part 266 Subpart E.

⁵Include the actual firing rate in the AOR

3. Testing of emissions must be performed at an operating rate of at least 90% of the rate in Specific Condition No. 2, or Specific Condition No. 4 will become effective.
4. The operating rate shall not exceed 110% of the rate of the most recently accepted test, except for additional testing purposes, and shall not exceed the rate in Specific Condition No. 2. After testing at a higher rate, the operating rate shall continue to not exceed 110% of the rate of the last accepted test until the test report at the higher rate is reviewed and accepted by the Department.

5. The permitted maximum allowable emission rate for each pollutant is as follows:

POLLUTANT	MATERIAL	MAXIMUM ALLOWABLE EMISSION RATE		FAC RULE
		LBS/HR	TPY	
PARTICULATE MATTER	FUEL OIL	96.0 ¹	420.48 ²	17-296.405(1)(b)
SULFUR DIOXIDE	FUEL OIL	2640.0 ³	11563.20 ²	17-296.405(1)(c)1.j.
VISIBLE EMISSIONS	FUEL OIL	20% Opacity except 40% for 2 min/hr		17-296.405(1)(a)

¹Basis: 960 MMBTU/hr; 0.1 lb/MMBTU

²Basis: 8760 H/Y

³Basis: 960 MMBTU/hr; 2.75 lb/MMBTU

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SPECIFIC CONDITIONS:

6. The permitted maximum allowable emission rate for particulate matter and visible emissions during soot blowing and load change conditions are as follows:

POLLUTANT	MAXIMUM ALLOWABLE EMISSION RATE	FAC RULE
PARTICULATE MATTER	0.3 lbs/MMBTU ¹	17-210.700(3)
VISIBLE EMISSIONS	60% Opacity ²	17-210.700(3)

¹Emission limit shall not exceed an average of 0.3 lbs/MMBTU heat input and not to exceed 3 hrs/24 hrs.

²Visible emissions above 60% opacity shall be allowed for not more than 4, six-minute periods, during the 3-hr period of excess emissions.

7. Excess emissions resulting from malfunction shall be permitted in accordance with FAC Rule 17-210.700(1).
8. Excess emissions resulting from startup or shutdown shall be permitted, provided that best operational practices to minimize emissions are adhered to and the duration of excess emissions minimized - 17-210.700(2).
9. Test the emission for the following pollutant(s) at the interval(s) indicated, notify the Department 15 days prior to testing pursuant to FAC Rule 17-297.340(1)(i), and submit the test report documentation to the Department within 45 days after completion of the testing pursuant to FAC Rule 17-297.570(2):

POLLUTANT	TEST FREQUENCY	TEST METHOD ¹
PARTICULATE MATTER SB ^{2,3}	ANNUAL FROM 01-31-93	EPA 5 or 5B or 5F or EPA 17
PARTICULATE MATTER SS ^{3,4}	ANNUAL FROM 01-31-93	EPA 5 or 5B or 5F or EPA 17
SULFUR DIOXIDE	ANNUAL FROM 01-31-93	EPA 6 or 6A or 6B or 6C ⁵
VISIBLE EMISSIONS SB ^{3,6}	ANNUAL FROM 01-31-93	EPA 9
VISIBLE EMISSIONS SS ^{3,4,6}	ANNUAL FROM 01-31-93	EPA 9

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SPECIFIC CONDITIONS:

SC No. 9 Cont'd.

- ¹From 17-297.330, FAC Table 297.330-1
 - ²SB (soot blowing test per FAC Rule 17-297.340(1)(b)).
 - ³Test is not required when liquid and/or solid fuel is burned for a total of no more than 400 hours per Federal Fiscal year (October 1, 199_ - September 30, 199_) - FAC Rule 17-297.340(1)(e).
 - ⁴SS (Steady State/Normal Operation Conditions).
 - ⁵In lieu of the sulfur dioxide emission test specified in Specific Condition No. 9, a Certified ASTM fuel oil analysis shall be conducted to determine the weight percent of sulfur and the fuel oil heat content. The owner or operator shall submit to the Department a copy of the Certified ASTM analysis and the sulfur dioxide emission calculations.
 - ⁶Visible emission test must be concurrent with one particulate matter test run.
10. Hours of operation shall be limited to 8760 H/Y and shall be recorded.
 11. Stack sampling facilities shall comply with FAC Rule 17-297.345.
 12. In each test report, submit the maximum input/production rate at which this source was operated since the most recent test.
 13. Fuel oil analysis reports, including fuel oil heat content shall be submitted to the Department with each test report.
 14. Submit an annual operation report for this source on the form supplied by the Department for each calendar year on or before March 1.
 15. Any revision(s) to a permit (and application) must be submitted and approved prior to implementing.

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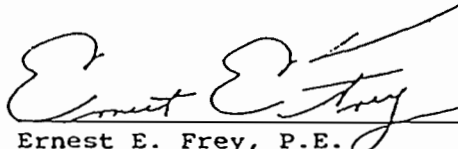
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SPECIFIC CONDITIONS:

16. The completed Application For Renewal of Permit To Operate Air Pollution Source(s) form with the compliance report is due 90 days prior to 06-01-98.

Executed in Jacksonville, Florida

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION


Ernest E. Frey, P.E.
Director of District Management

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to S120.52 Florida
Statutes, with the designated Department Clerk,
receipt of which is hereby acknowledged.

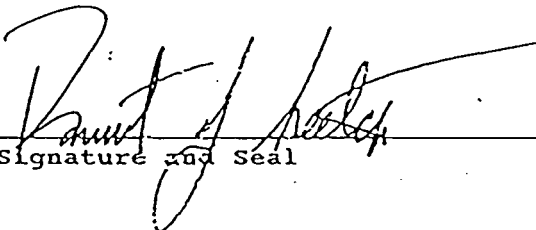
Betty Adams 12-14-93
Clerk Date

CERTIFICATION

PROJECT NAME: Gainesville Regional Utility
No. 1 Unit at Deerhaven
PERMIT NO: A001-224219

I HEREBY CERTIFY that the engineering features described in application No. 224219 reasonable assurance of compliance with the applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Title 17. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including, but not limited to, the electrical, mechanical, structural, hydrological, and geological features).

Robert J. Leetch, P.E.
Name, P.E.


Signature and Seal

12/19/93
Date

Best Available Copy

HA BRICK

HANCOCK

BEFORE THE STATE OF FLORIDA FILE DH.1.1
DEPARTMENT OF ENVIRONMENTAL REGULATION

ENVIRONMENTAL

IN RE:)
)
THE CITY OF GAINESVILLE and)
GAINESVILLE-ALACHUA COUNTY)
REGIONAL ELECTRIC, WATER and)
SEWER UTILITIES BOARD, DEER-)
HAVEN UNIT NO. 2 SITE CERTI-)
FICATION, DER CASE NO. PA)
74-04.)
)
Permittee.)

RECEIVED

FINAL ORDER

On May 13, 1982, the Florida Department of Environmental Regulation gave Notice of Proposed Agency Action pursuant to Section 403.516(1), Florida Statutes, to modify the conditions of certification for the Deerhaven Unit No. 2. A copy of that Notice is attached hereto as Exhibit "A".

Pursuant to Florida Administrative Code Rule 17-1.62(1)(b), the parties to the original certification proceeding were given fourteen (14) days in which to petition for a hearing on the proposed modification; no such petition for hearing was filed. The Notice of Proposed Agency Action thereafter came before me as the head of the Department for final agency action on this matter. Having considered the Notice of Proposed Agency Action submitted herein and being otherwise fully advised, it is therefore:

ORDERED that the following modification to the Conditions of Certification for the Gainesville Regional Utilities Deerhaven Unit No. 2 is granted:

Condition I.A.2.

The percent maximum allowable sulfur content of coal consumed shall be limited as follows:

% Maximum allowable sulfur content = 6.3×10^{-5} x BTU per lb. of coal. However, the applicant may petition the Department to revise this condition by installing a flue gas desulfurization unit that will insure compliance with Section 17-2.600(5), F.A.C. The boiler shall not be operated unless this condition is complied with.

RECEIVED

JUN 28 1982

DEER HAVEN GEN. STA.
CITY OF GAINESVILLE, FLA.

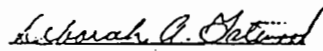
DONE AND ORDERED this 17 day of June, 1982, in Tallahassee,
Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


VICTORIA J. TSCHINKEL
Secretary

2600 Blair Stone Road
Tallahassee, Florida 32301
Telephone: (904) 488-9730

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to S120.52 (9),
Florida Statutes, with the designated Depart-
ment Clerk, receipt of which is hereby acknow-
ledged.

 6/22/82
Clerk Date

STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL PROTECTION

IN RE: SITE CERTIFICATION)
DEERHAVEN GENERATING STATION)
GAINESVILLE REGIONAL UTILITIES) CERTIFICATION NO. PA 74-04D
ALACHUA COUNTY, FLORIDA / OGC NO. 93-4204

FINAL ORDER MODIFYING
CONDITIONS OF CERTIFICATION

On May 16, 1978, the Siting Board, issued a final order approving certification for the Gainesville Regional Utilities Deerhaven Generating Station. That certification order approved the construction and operation of a coal fired, steam-electric generating facility and associated facilities to be located in Alachua County, Florida.

On March 22, 1994, Gainesville Regional Utilities (GRU) filed requests to modify the conditions of certification pursuant to Section 403.516(1)(b), Florida Statutes (F.S.). The GRU requested that the conditions be modified to approve the construction and operation on site of a 74 megawatt (nominal) combustion turbine burning either natural gas or distillate fuel oil.

On April 2, 1994, notice of the proposed modification was published in the Gainesville Sun. On December 23, 1994, Notice of Intent to Issue Proposed Modification of Power Plant Certification was published in the Florida Administrative Weekly. On December 21, 1994, all of the parties to the original proceeding were mailed copies of the petition to modify. The notices specified that a hearing would be held if a party to the original certification hearing objects within 45 days from receipt of the proposed notice of modification or if a person whose substantial interests will be affected by the proposed modification objects in

writing within 30 days after issuance of the public notice. No timely written objection to the proposed modifications was received by the Department.

One of the persons who was mailed a copy of the Department's Notice of Intent to Issue was Mr. Dan Hargrove of Gainesville. Previously, by letter dated August 24, 1994, Mr. Hargrove had expressed his objection to the modification requested by GRU. Mr. Hargrove, who had not been a party to the original certification proceeding, objected to the proposed increase in generating capacity on the grounds that GRU had failed to live up to a stipulation entered into in 1978 between GRU and that Gainesville Chapter of the Sierra Club.

On January 19, 1995 the Department mailed Mr. Hargrove a copy of the Notice of Intent to Issue. The return receipt indicates that Mr. Hargrove received the document on January 23, 1995. On February 6, 1995, the Department received a letter from Mr. Hargrove dated February 2, 1995, which was styled a written objection to the "construction of Deerhaven #3 power plant by GRU." The letter reiterated Mr. Hargrove's assertion the GRU had not lived up to its stipulation of April 5, 1978.

Mr. Hargrove's objection is not timely. Section 403.516, Florida Statutes, requires that timely written objections to a proposed modification must be filed within 30 days of public notice of the modification. Public Notice was provided by means of publication in the Florida Administrative Weekly on December 23, 1994. Consequently, the deadline for objection in this matter was January 23, 1995.

Accordingly, in the absence of any timely objection, IT IS ORDERED:

The proposed changes to the Deerhaven Generating Station described in the March 22, 1994, request for modification, are APPROVED. Pursuant to Section 403.516(1)(b), F.S., the Department hereby MODIFIES the conditions of certification for the Deerhaven Generating Station as follows:

H. Deerhaven Combustion Turbine No. 3

The construction and operation of the Gainesville Regional Utilities (GRU) Deerhaven Combustion Turbine #3 (DHCT3) shall be in accordance with all applicable provisions of Chapters 62-210 through 297 and 62-4, Florida Administrative Code (F.A.C.), and 40 CFR 60, Subpart A, Subpart GG, Appendix A and Appendix B (1993 version). The following emission limitations and conditions reflect the BACT determinations for the DHCT3. In addition to the foregoing, the project shall comply with the following conditions of certification:

General Operating Requirements

1. The maximum heat input rates, based on high heating values of each fuel, to the DHCT3 and at ISO conditions (i.e., 59° F, 60% relative humidity and 101.3 kilopascals pressure), shall not exceed 971.1 MMBTU/hr, while firing natural gas, nor 990.6 MMBTU/hr, while firing fuel oil. Heat input will vary depending on ambient conditions and the DHCT3 characteristics. Manufacturer's curves or equations for correction to other ambient conditions shall be provided to the Department of Environmental Protection (DEP) at least 90 days before initial compliance testing.
2. The DHCT3 is allowed to operate up to 3900 hours per year, but not to exceed 2000 hours while firing fuel oil.
3. Only natural gas (NG) or No. 2 fuel oil shall be fired in the combustion turbine. The maximum sulfur content of the fuel oil shall not exceed 0.05 percent, by weight. GRU has established that there is approximately 55 hours of full load operation of fuel oil, which contains nominally 0.25% sulfur content, by weight, remaining in the fuel storage tank. GRU will be allowed to deplete this reserve by firing the fuel oil in the DHCT3. However, all future deliveries of fuel oil for the

DHCT3 shall meet the BACT requirement, which limits the fuel oil sulfur content to no more than 0.05%, by weight. Fuel sulfur content shall be determined and recorded each time fuel is transferred into the bulk storage tank(s).

4. During the construction period, unconfined particulate matter emissions shall be minimized by dust suppressing techniques, such as covering and/or application of water or chemicals to the affected areas pursuant to Rule 62-296.310(3), F.A.C. - Unconfined Emissions of Particulate Matter.

5. Any change in the method of operation, equipment or operating hours, pursuant to Rule 62-212.200, F.A.C., Definitions- Modifications, shall be submitted to the DEP's Bureau of Air Regulation office and Northeast District office.

Emission Limits

6. The maximum allowable emissions from the DHCT3, when firing natural gas or No. 2 fuel oil, in accordance with the BACT determination, and at 95 - 100% percent load based on the manufacturer's curves submitted to the DEP, shall not exceed the following limits except during periods of start up, shutdown, and malfunction pursuant to Rule 62-210.700, F.A.C.:

MAXIMUM ALLOWABLE EMISSION LIMITS

<u>POLLUTANT</u>	<u>FUEL</u>	<u>BACT STANDARD</u>	<u>LBS/HR</u>	<u>*TPY</u>
<u>NOx</u>	<u>Gas</u>	<u>15 ppmvd @ 15% Oxygen</u>	<u>58</u>	<u>113 (a)</u>
	<u>Oil</u>	<u>42 ppmvd e 15% Oxygen</u>	<u>184</u>	<u>184 (b)</u>
			<u>combined (c)</u>	<u>239</u>
<u>PM₁₀</u>	<u>Gas</u>	<u>Good combustion; visible emissions shall not exceed 10% opacity</u>	<u>7 (d)</u>	<u>14 (a)(d)</u>

	Oil	<u>Good combustion of low sulfur oil; visible emissions shall not exceed 10% opacity</u>	<u>combined (c)</u>	<u>15 (d) 15 (b)(d) 22</u>
<u>SO₂</u>	Gas	<u>Good combustion</u>		<u>29 (d) 57 (a)(d)</u>
	Oil	<u>Good combustion of low sulfur fuel oil; max. 0.05% sulfur content, by weight</u>	<u>combined (c)</u>	<u>53 (d) 53 (b)(c)^d 81</u>
	Oil	<u>Good combustion, limited quantity; max. 0.25% sulfur content, by weight</u>		
<u>H₂SO₄ Mist</u>	Gas	<u>Good combustion</u>		<u>3 (d) 6 (a)(d)</u>
	Oil	<u>Good combustion of low sulfur fuel oil; max. 0.05% sulfur content, by weight</u>	<u>combined (c)</u>	<u>6 (d) 6 (b)(d) 9</u>
	Oil	<u>Good combustion, limited quantity; max. 0.25% sulfur content, by weight</u>		

*These values are calculated using F-factors.

(a) Based on a maximum of 3900 hours of operation with natural gas firing.

(b) Based on a maximum of 2000 hours of operation with fuel oil firing.

(c) Based on 1900 hours natural gas firing and 2000 hours fuel oil firing.

(d) Compliance shall be demonstrated through fuel sulfur analysis.

7. Visible emissions shall not exceed 10% opacity when firing natural gas or No.2 fuel oil.

8. The potential emissions projected from the DHCT3 are:

ESTIMATED POTENTIAL EMISSIONS

<u>Pollutant</u>	<u>Method of Control</u>	<u>TPY **</u>
<u>CO</u>	<u>Good combustion, proper use of water injection system</u>	<u>95.2</u>
<u>VOC</u>	<u>Good combustion</u>	<u>8.7</u>
<u>Mercury</u>	<u>Natural Gas/No. 2 Fuel Oil</u>	<u>0.001</u>
<u>Pb</u>	<u>Natural Gas/No. 2 Fuel Oil</u>	<u>0.0638</u>
<u>Be</u>	<u>Natural Gas/No. 2 Fuel Oil</u>	<u>0.00033</u>

**TPY values are for annual operation reports (AOR) and PSD applicability determinations. These values are based on the DHCT3 operating at full load at ISO for a total of 3900 hours per year, with up to 2000 hours of No.2 fuel oil-fired operation.

Compliance Determination

9. Compliance with the allowable emission limiting standards shall be determined within 60 days after achieving the maximum production rate at which this unit will be operated, but not later than 180 days of initial operation at the maximum capability of the unit and annually thereafter, by using the following reference methods as described in 40 CFR 60, Appendix A (1993 version), and adopted by reference in Chapter 62-297, F.A.C.

Initial (I) compliance tests shall be performed on the DHCT3 while firing each fuel (gas, oil). Annual (A) compliance tests shall be performed during every federal

fiscal year (October 1 - September 30) pursuant to Rule 62-297.340, F.A.C., on the DHCT3 with the fuel(s) used for more than 400 hours in the preceding 12-month period.

- Method 9 Visual Determination of the Opacity of Emissions from Stationary Sources (I,A)
- Method 10 Determination of Carbon Monoxide Emissions from Stationary Sources (I)
- Method 20 Determination of Nitrogen Oxides and Diluent Emissions from Stationary Gas Turbines (I,A)

Note: No other methods may be used for compliance testing unless prior DEP approval is received in writing. The DEP may request a special compliance test pursuant to Rule 62-297.340(2), F.A.C., when, after investigation (such as complaints, increased visible emissions, or questionable maintenance of control equipment), there is reason to believe that any applicable emission standard is being violated.

10. Notwithstanding the requirements of Rule 62-297.340, F.A.C., the exclusive use of fuel oil with a maximum sulfur content limit of 0.05% or less, by weight, is the method for determining compliance for SO₂, H₂SO₄ mist, and PM₁₀. There is no suitable method for the testing of PM₁₀ from this type of emissions unit, and the SO₂ and H₂SO₄ emissions are clearly limited by the sulfur content of the fuel. Compliance with the SO₂ and sulfuric acid mist emission limits shall be determined by fuel oil analysis using ASTM D2880-71 or D4294 (or equivalent) for the sulfur content of liquid fuels and D1072-80, D3031-81, D4084-82 or D3246-81 (or equivalent) for sulfur content of gaseous fuel. Alternatively, natural gas supplier data for sulfur content may be submitted. However, the applicant is responsible for ensuring that the procedures above are used for determination of fuel sulfur content. Analysis may be performed by the owner or operator, a service contractor retained by the owner or operator, the fuel vendor, or any other qualified agency pursuant to 40 CFR 60.335(e) (1993 version).

11. Pursuant to Rule 62-212.410, F.A.C., the permittee shall install a dry low-NOx combustor on the DHCT3 for NOx control when firing natural gas. Control of NOx when firing No. 2 fuel oil shall be accomplished by water injection.

12. An initial test for CO, concurrent with each NOx test, is required to confirm that annual potential emissions will not exceed 100 TPY. The NOx and initial CO test results shall be the average of three valid one-hour runs. The DEP's Northeast District office shall be notified, in writing, at least 30 days prior to the initial compliance tests and at least 15 days before annual compliance test(s). The combustion turbine shall operate between 95% and 100% of maximum capacity for the ambient conditions experienced during compliance test(s). The turbine manufacturer's heat input rates (based on the high heating value of the fuel) vs. ambient temperature curve shall be included with the compliance test results. The fuel feed rates and the high heating value of the fuels shall be established during the initial and annual compliance tests. Compliance test results shall be submitted to the DEP's Northeast District office no later than 45 days after completion of the last test run.

13. Excess NOx emissions from this turbine resulting from startup, shutdown, malfunction, fuel switching or load change, shall be acceptable providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the DEP's Bureau of Air Regulation or the Northeast District office for a longer duration. Best operating practices shall be documented in writing and a copy submitted to the DEP's Northeast District office along with the initial compliance test data. The document may be updated as needed with all updates submitted to the DEP's Northeast District office within thirty (30) days of implementation and shall include time limitations on excess emissions caused by turbine startup.

Notification, Reporting and Recordkeeping

14. Notification and recordkeeping shall be in accordance with 40 CFR 60 (1993 version). The following protocols shall be submitted to the DEP's Northeast District office for approval:

a. CEMS - If applicable, the Federal Acid Rain Program requirements of 40 CFR 75 shall apply when those requirements become effective in Florida.

b. Performance Test Protocol - At least 30 days prior to conducting the initial performance tests required by this permit, the permittee shall submit to the DEP's Northeast District office for their review and approval: a protocol outlining the procedures to be followed; the test methods; and, any differences between the reference methods and the test methods proposed to be used to verify compliance with the conditions of this permit.

c. All measurements, records, and other data required to be maintained by GRU shall be retained for at least five (5) years following the date on which such measurements, records, or data are recorded. These data shall be made available to the DEP representatives.

Monitoring Requirements

15. The permittee shall install, calibrate, maintain, and operate a continuous emission monitor in the stack to measure and record the nitrogen oxides emissions from this source. One-hour periods when NOx emissions (ppmvd @ 15% oxygen) are above the BACT standards (15/42 gas/oil) shall be reported as excess emissions following the format of 40 CFR 60.7 (1993 version). The continuous emission monitor must comply with Rule 62-297.500, F.A.C.; 40 CFR 60, Appendix F, Quality Assurance Procedures (1993 version) (or other DEP approved QA plan); 40 CFR 60, Appendix B, Performance Specification 2 (1993 version); or, if applicable,

40 CFR 75, Appendix A and Appendix B, Periods of startup, shutdown, fuel switching, malfunction, and load change shall be monitored and recorded. The NOx CEMS will be used in lieu of the water/fuel monitoring system and fuel bound nitrogen (FBN) monitoring, which are required in accordance with 40 CFR 60, Subpart GG (1993 version), and are used as indicators of compliance with the NOx standard specified in the subpart. Since the NOx emission standard from Subpart GG is more than twice the BACT standard, monitoring for emissions in excess of the BACT limits using the NOx CEMS is more stringent. FBN levels are not required for excess emission reports when excess emissions are reported and based on the stack monitoring system. The calibration of the water/fuel monitoring device required in 40 CFR 60.335(c)(2) (1993 version) will be replaced by certification tests of the NOx CEMS.

16. A malfunction means any sudden and unavoidable failure of air pollution control equipment or process equipment to operate in a normal or usual manner. Failures that are caused entirely or in part by poor maintenance, careless operation, or any other preventable upset condition or preventable equipment breakdown shall not be considered malfunctions and shall be prohibited pursuant to Rule 62-210,700, F.A.C.

17. The sulfur content of the fuel oil being fired in the combustion turbine shall be determined in accordance with 40 CFR 60.334(b) (1993 version). Any request for a future custom monitoring schedule shall be made in writing and directed to the DEP's Bureau of Air Regulation office. Any custom schedule approved by the DEP pursuant to 40 CFR 60.334(b) (1993 version) will be recognized as enforceable provisions of the permit, provided that the holder of this permit demonstrates that the provisions of the schedule will be adequate to assure continuous compliance. The records of natural gas and No. 2 fuel oil usage shall be kept by the company for a five-year period for regulatory agency inspection purposes.

Rule Requirements

18. The emission unit shall be in compliance with all applicable provisions of Chapter 403, Florida Statutes, and Chapters 62-4, 210, 212, 275, 296 and 297, F.A.C.

19. The emission unit shall be in compliance with all applicable requirements of 40 CFR 60, Subpart A, Appendix A and Appendix B (1993 version), Subpart GG - Standards of Performance for Stationary Gas Turbines (1993 version), and Rule 62-296.800(2) (a), F.A.C. The Subpart GG requirement to correct test data to ISO conditions applies. However, such correction is not used for compliance determinations with the BACT standard(s). All notifications and reports required by this specific condition shall be submitted to the DEP's Northeast District office.

20. Issuance of this certification does not relieve the facility owner or operator from compliance with any applicable federal, state, or local permitting requirements and regulations (Rule 62-210.300(1), F.A.C.).

21. The emission unit shall be in compliance with all applicable provisions of Rule 62-210.650, F.A.C.; Circumvention; Rule 62-210.700, F.A.C.; Excess Emissions; Rule 62-296.800, F.A.C.; Standards of Performance for New Stationary Sources (NSPS); Chapter 62-297, F.A.C.; Stationary Sources - Emissions Monitoring; and, Rule 62-4.130, F.A.C.; Plant Operation - Problems.

22. If construction does not commence within 18 months of issuance of this certification, the permittee shall obtain from the DEP's Bureau of Air Regulation a review and, if necessary, a modification of the BACT determination and allowable emissions for the unit(s) on which construction has not commenced (40 CFR 52.21(r)(2) (1993 version).

23. Quarterly excess emission reports, in accordance with 40 CFR 60.7 and 60.334 (1993 version), shall be submitted to the DEP's Northeast District office.

24. Pursuant to Rule 62-210.370(2), F.A.C., Annual Operating Reports, the permittee is required to submit annual reports on the actual operating rates and emissions from this facility. These reports shall include, but are not limited to the following: sulfur content of the fuel being fired, fuel usage, hours of operation, air emissions limits, etc. Annual operating reports shall be sent to the DEP's Northeast District office by March 1st of each calendar year.

25. Stack sampling facilities shall be installed in accordance with Rule 62-297.345, F.A.C.

Modifications

26. The permittee shall give written notification to the DEP when there is any modification to this facility/emission unit pursuant to Rule 62-212.200, F.A.C., Definitions - Modifications. This notice shall be submitted sufficiently in advance of any critical date involved to allow sufficient time for review, discussion, and revision of the application/request, if necessary. Such notice shall include, but not be limited to: information describing the precise nature of the change; modification(s) to any emission control system; production capacity of the facility/emissions unit before and after the change; and, the anticipated completion date of the change.

27. An application for Title V operation permit must be submitted to the Tallahassee office no later than 180 days after commencing operation. The permittee shall submit a timely and complete permit application in compliance with the requirements of Chapter 62-213.420.

NOTICE OF RIGHTS

Any party to this Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the clerk of the Department of Environmental Protection in the Office of General Counsel, 2600 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 that the Final Order is filed with the Department of Environmental Protection.

DONE AND ENTERED this 6th day of April, 1995, in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION

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

Jessie H. Littleton 4/06/95
Clerk Date

Virginia B. Wetherell
VIRGINIA B. WETHERELL
Secretary
Marjory Stoneman Douglas Bldg.
3900 Commonwealth Boulevard
Tallahassee, FL 32399-3000
(904) 488-4805

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that a copy of the foregoing was sent by
U.S. Mail to the following this 7th day of April, 1995.

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General Counsel
Florida Game and Fresh Water Fish
Commission
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Michael Palecki, Esquire
Florida Public Service
Commission
101 East Gaines Street
Fletcher Building, Rm. 212
Tallahassee, FL 32399-0850

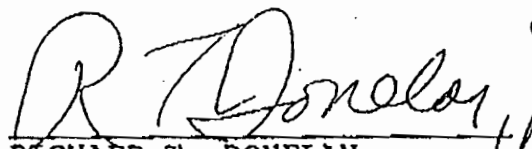
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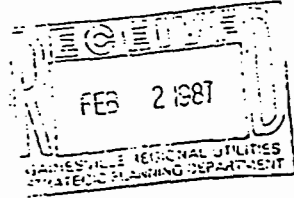
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2600 Blair Stone Road
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(904) 488-9314

BEFORE THE STATE OF FLORIDA
DEPARTMENT OF ENVIRONMENTAL REGULATION

IN RE:)
)
Gainesville Regional Utilities)
Deerhaven Generating Station #2)
Modification of Terms and)
Conditions of Certification)
NC. PA 74-04)
Alachua County, Florida)



FINAL ORDER MODIFYING
CONDITIONS OF CERTIFICATION

The Florida Department of Environmental Regulation modifies the conditions of certification for the Gainesville Regional Utilities' Deerhaven Generating Station Unit 2, pursuant to Section 403.516(1), Florida Statutes, and Section VII of the Conditions of Certification, which delegated modifications of monitoring conditions to the Department. The Department states:

1. On June 24, and July 21, 1986, the Gainesville Regional Utilities submitted a letter to the Department requesting modification of the existing Conditions of Certification for its Deerhaven Unit 2 to delete certain conditions relating to ambient air quality monitoring and to modify a condition to allow use of natural gas as fuel for startup and flame stabilization.

2. On September 19, 1986, a Notice of Proposed Agency Action was served on all parties with a provision that a hearing would be held if requested on or before November 5, 1986. No hearing was requested. THEREFORE,

IT IS ORDERED:

The Department grants relief to the Gainesville Regional Utilities by making the following modifications to the Conditions of Certification:

A. Special Conditions I.B.2. and I.B.5. shall be deleted and the remaining conditions rearranged to read as follows:

~~2. The permittee shall provide one additional ambient monitoring device for sulfur dioxide in accordance with EPA reference methods in 40 CFR, Part 53, and one additional ambient monitoring device for suspended particulates. New and existing monitoring~~

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~~devices shall be located as designated by the Department and may be operated by the Alachua County Pollution Control Department. The frequency of operation shall be every six days as specified by the Department.~~

2. 5- The permittee shall maintain a daily log of fuels used and copies of fuel analyses containing information on sulfur content, ash content and heating values to facilitate calculations of emissions.

3. 4- The permittee shall provide sampling ports into the stack and shall provide access to the sampling ports, in accordance with Standard Sampling Techniques and Methods of Analysis for the Determination of Air Pollutants from Point Source, July 1975.

~~5. The ambient monitoring program may be reviewed annually beginning two years after start-up of Unit No. 2 by the Department and the permittee.~~

5. 6- Emission Control Systems:

3. Special Condition I.D.1. shall be amended to read as follows:

D. Reporting

1. Stack monitoring, fuel usage and fuel analysis data shall be reported to the Department on a quarterly basis in accordance with 40 CFR, Part 60, Section 60.7. Such reporting shall include amounts of number 2 oil and natural gas used for start-up or flame stabilization.

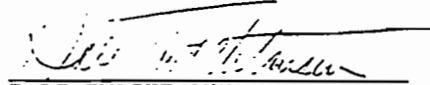
C. Special Condition I.D.2. shall be deleted.

~~2. Ambient air monitoring data shall be reported to the Department quarterly by the last day of the month following the quarterly reporting period utilizing the SARGAD or other format approved by the Department in writing.~~

Any party to this Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate Procedure, with the clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400, and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date this Order is filed with the clerk of the Department.

DONE AND ORDERED this 27th day of January, 1987, in Tallahassee, Florida.

STATE OF FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION



DALE TWACHTMANN
SECRETARY

Twin Towers Office Building
2600 Blair Stone Road
Tallahassee, Florida 32399-2400
Telephone: (904) 488-4805

FILING AND ACKNOWLEDGEMENT

FILED IN CASE NO. FEE PAID TO
BY ON AT
TALLAHASSEE, FLORIDA

Thane L. Nelson 1-27-87
Clerk Date

CERTIFICATE OF SERVICE

I HEREBY CERTIFY that copies of the foregoing NOTICE OF PROPOSED AGENCY ACTION were furnished by United States Mail to all counsel of record listed on the attached service list, on this 11 day of February, 1987.

Bradford L. Thomas
BRADFORD L. THOMAS
Assistant General Counsel

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

Twin Towers Office Building
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Copies furnished:

Mr. Michael Twomey, Esquire
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Mr. C. Laurence Keesey, Esquire
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Mr. Charles McCoy, Esquire
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Mr. Tom W. Brown, Esquire
Suwannee River Water Management District
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Lake City, Florida 32055

Mrs. Helen Hood, Chairperson
Parks and Endangered Lands Committee
Florida Defenders of the Environment, Inc.
622 North Main Street
Gainesville, Florida 32604

Mr. Robert L. Guyer
Gainesville Regional Utilities
Post Office Box 490
Gainesville, Florida 32602

State of Florida Department of Environmental Regulation
Gainesville-Alachua Regional Utilities Board
Deerhaven, Unit No. 2
Case No. PA 74-04
CONDITIONS OF CERTIFICATION

GENERAL

Table of Contents

	Page
1. Change in Discharge	1
2. Non-Compliance Notification	1
3. Facilities Operation	1
4. Adverse Impact	2
5. Right of Entry	2
6. Revocation or Suspension	2
7. Civil and Criminal Liability	2
8. Property Rights	3
9. Severability	3
10. Definitions	3
11. Review of Site Certification	3
12. Modifications of Conditions	4

State of Florida Department of Environmental Regulation
Gainesville - Alachua Regional Utilities Board
Deerhaven, Unit No. 2
Case No. PA 74-04

CONDITIONS OF CERTIFICATION

GENERAL

1. Change in Discharge

All discharges or emissions authorized herein shall be consistent with the terms and conditions of this certification. The discharge of any pollutant not identified in the application, or more frequent than, or at a level in excess of that authorized herein, shall constitute a violation of the certification. Any anticipated facility expansions, production increases, or process modifications which may result in new, different or increased discharges of pollutants, change in fuel, or expansion in steam generating capacity must be reported by submission of a new application.

2. Non-Compliance Notification

If, for any reason, the permittee does not comply with or may be unable to comply with any limitation specified in this certification, the permittee shall notify the Lower St. Johns River Subdistrict Manager of the Department by telephone during the working day that said noncompliance occurs and shall confirm this in writing within seventy-two (72) hours of becoming aware of such conditions, and shall supply the following information:

- a. A description of the discharge and cause of noncompliance; 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 noncomplying discharge.

3. Facilities Operation

The permittee shall at all times maintain in good working order and operate as efficiently as possible all treatment or control facilities or systems installed or used by the permittee to achieve compliance with the terms and conditions of this certification.

4. Adverse Impact

The permittee shall take all reasonable steps to minimize any adverse impact resulting from noncompliance with any limitation specified in this certification, including such accelerated or additional monitoring as necessary to determine the nature and impact of the noncomplying discharge.

5. Right of Entry

The permittee shall allow the Secretary of the Florida Department of Environmental Regulation and/or authorized representatives, upon the presentation of credentials:

- a. To enter upon the permittee's premises where an pollution sources are located or in which records are required to be kept under the terms and conditions of this permit, and
- b. To have access to and copy any records required to be kept under the conditions of this certification; and
- c. To inspect any monitoring equipment or monitoring method required in this certification and to sample any discharge or pollutants.

6. Revocation or Suspension

This certification may be suspended or revoked pursuant to Section 403.512, Chapter 403, Florida Statutes, or for violations of any General or Special Condition.

7. Civil and Criminal Liability

This certification does not relieve the permittee from civil or criminal penalties for noncompliance with any conditions of this certification, applicable rules or regulations of the Department or Chapter 403, Florida Statutes, or regulations thereunder.

Subject to Section 403.511, Florida Statutes, this certification shall not preclude the institution of any legal action or relieve the permittee from any responsibilities, or penalties established pursuant to any other applicable State Statutes, or regulations.

8. Property Rights

The issuance of this certification does not convey any property rights in either real or personal property, 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. The applicant will obtain title, lease or right of use from the State of Florida, to any sovereign submerged lands occupied by intake or discharge structures.

9. Severability

The provisions of this certification are severable, and if any provision of this certification or the application of any provision to any circumstances, is held invalid, the application of such provision to other circumstances and the remainder of the certification shall not be affected thereby.

10. Definitions

The meaning of terms used herein shall be governed by the definitions contained in Chapter 403, Florida Statutes, and any regulations adopted pursuant thereto. In the event of any dispute over the meaning of a term used in these general or special conditions which is not defined in such statutes or regulations, such dispute shall be resolved by reference to the most relevant definitions contained in any other state or federal statute or regulation or, in the alternative by the use of the commonly accepted meaning as determined by the Department.

11. Review of Site Certification

The certification shall be final unless revised, revoked or suspended pursuant to law. At least every five years from the date of issuance of this certification or any National Pollutant Discharge Elimination System Permit issued pursuant to the Federal Water Pollution Control Act Amendments of 1972, for the plant units, the Department shall review all monitoring data that has been submitted to it during the preceding five-year period for the purposes of determining the extent of the permittee's compliance with the conditions of this certification and the environmental impact of this facility. The Department shall submit the results of its review and recommendations to the permittee. This review will be repeated at least every five years thereafter.

12. Modification of Conditions

The conditions of this certification may be modified in the following manner:

- a. The Board hereby delegates to the Secretary the authority to modify, after notice and opportunity for hearing, any conditions pertaining to monitoring or sampling.
- b. All other modifications shall be made in accordance with Section 403.516, F.S.

MLK

State of Florida Department of Environmental Regulation
 Gainesville-Alachua Regional Utilities Board
 Deerhaven, Unit No. 2
 Case No. PA 74-04
CONDITIONS OF CERTIFICATION (FINAL)

SPECIAL

Table of Contents

	Pages
I. Air	
A. Emission Limitation	1
1. Stack Emission	1
2. Sulfur Content	1
3. Stack Height	1
4. Plot Plan	1
5. Coal Handling Facilities	1
B. Air Monitoring Program	2
1. Stack Monitoring	2
2. Ambient Monitoring	2
3. Fuel Log	2
4. Sampling Ports	2
5. Program Review	2
6. Emission Control Systems	2
C. Stack Testing	3
D. Reporting	3
E. Coal Characteristics and Contracts	4
F. Alternative Information	4
G. Reporting	4
II. Water Discharges	
A. Plant Effluent and Receiving Body of Water	5
1. Receiving Body of Water (RBW)	5
2. Point of Discharge (P.O.D.)	5
3. Thermal Mixing Zone	5
4. Chemical Wastes	5
5. Cooling Tower	6
6. Chlorine	6
7. pH	6
8. Polychlorinated Bysphenyl Compounds	6
B. Water Monitoring Programs	6
1. Chemical Monitoring	6
2. Ground Water Monitoring	7
III. Ground Water	7
A. General	7
B. Well Criteria	7
IV. Control Measures During Construction	8
A. Stormwater Runoff	8
B. Sanitary Wastes	8
C. Environmental Control Program	8
V. Solid Waste	8
VI. Operational Safeguards	9
VII. Sanitary Wastes Disposal System	9
A. Septic Tank	9
B. Sewer Connection	9

Table of Contents Continued

	Pages
IX. Transformer and Electric Switching Gear	10
X. Toxic, Deleterious, or Hazardous Materials	10
XI. Brine Concentrator	10
XII. Leachate Control	10

State of Florida Department of Environmental Regulation
Gainesville - Alachua Regional Utilities Board
Deerhaven, Unit No. 2
Case No. PA 74-04
CONDITIONS OF CERTIFICATION

SPECIAL

I. Air

The construction and operation of the Unit No. 2 at the Deerhaven steam electric power plant shall be in accordance with all applicable provisions of Chapters 17-2, 17-5 and 17-7, Florida Administrative Code. In addition to the foregoing, the permittee shall comply with the following specific conditions of certification:

A. Emission Limitations

1. Stack emissions shall not exceed the following:
 - a. SO₂ - 1.2 lb. per million BTU heat input, maximum two hour average.
 - b. NO_x - 0.70 lb. per million BTU heat input.
 - c. Particulate -- 0.1 lb. per million BTU heat input.
2. The permittee shall not burn a fuel containing more than 0.73% sulfur. However, the applicant may petition the Department to revise this condition by (a) demonstrating compliance with Section 17-2.04(6)(e)1., FAC, or (b) installing a flue gas desulfurization unit that will insure compliance with the above emission limitation. The boiler shall not be operated unless this condition is complied with. *Amended 6/82 allow con 15 6.3x10⁻⁵ BT*
3. The height of the boiler exhaust stack for Unit No. 2 shall not be less than 350 feet above grade.
4. The permittee shall provide a plot plan of equipment prior to the start of construction, showing the proposed tentative location of flue gas desulfurization equipment and ~~particulate removal equipment~~ so that such equipment can be added at a later date, if installation of such equipment should subsequently become necessary. Prior to installation of any FGD equipment, plans and specifications for such equipment shall be submitted to the Department for review and approval.
5. Particulate emissions from the coal handling facilities:
 - a. The applicant shall not cause to be discharged into the atmosphere from any coal processing or conveying equipment, coal storage system or coal transfer and loading system processing coal, visible emissions which exceed 20 percent opacity.

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5. The applicant must submit to the Department within five (5) working days after it becomes available, copies of technical data pertaining to the selected particulate emissions control for the coal handling facility. These data should include, but not be limited to, a copy of the formal bid from the successful bidder, guaranteed efficiency and emission rates, and major design parameters such as air/cloth ratio and flow rate. The Department may, upon review of these data, disapprove the use of such device if the Department determines the selected control device to be inadequate to meet the visible emission limit specified in 5 (a) above.

B. Air Monitoring Program

1. The permittee shall install and operate continuously monitoring devices for the Unit No. 2 boiler exhaust for sulfur dioxide, nitrogen dioxide and opacity. The monitoring devices shall meet the applicable requirements of 40 CFR, Part 60. Calculations of SO₂ emissions in accordance with Section 60.45 of 40 CFR, Part 60, may be utilized in lieu of SO₂ exhaust monitoring.
- ~~2. The permittee shall provide one additional ambient monitoring device for sulfur dioxide in accordance with EPA reference methods in 40 CFR, Part 53 and one additional ambient monitoring device for suspended particulates. New and existing monitoring devices shall be located as designated by the Department, and may be operated by the Alachua County Pollution Control Department. The frequency of operation shall be every six days as specified by the Department.~~
3. The permittee shall maintain a daily log of fuels used and copies of fuel analyses containing information on sulfur content, ash content and heating values to facilitate calculations of emissions.
4. The permittee shall provide sampling ports into the stack and shall provide access to the sampling ports, in accordance with Standard Sampling Techniques and Methods of Analysis for the Determination of Air Pollutants from Point Source, July 1975.
- ~~5. The ambient monitoring program may be reviewed annually beginning two years after start-up of Unit No. 2 by the Department and the permittee.~~

6. Emission Control Systems:

Prior to operation of the source, the owner or operator shall submit to the Department a standardized plan or procedure that will allow the applicant to monitor emission control equipment efficiency

and enable the applicant to return malfunctioning equipment to proper operation as expeditiously as possible.

C. Stack Testing:

1. Within 60 days after achieving the maximum capacity at which the facility will be operated, but no later than 180 days after initial startup, the owner or operator shall conduct performance tests for particulates and SO₂ and furnish the Department a written report of the results of such performance tests.
2. Performance tests shall be conducted and data reduced in accordance with methods and procedures in accordance with Standard Sampling Techniques and Methods of Analysis for the Determination on Air Pollutants from Point Sources, July 1975.
3. Performance tests shall be conducted under such conditions as the Department shall specify based on representative performance of the facility. The owner or operator shall make available to the Department such records as may be necessary to determine the conditions of the performance tests.
4. The owner or operator shall provide 30 days prior notice of the performance tests to afford Department the opportunity to have an observer present.
5. Stack tests for particulates and SO₂ shall be performed annually in accordance with conditions 2, 3 and 4 above.

D. Reporting

1. Stack monitoring, fuel usage and fuel analysis data shall be reported to the Department on a quarterly basis in accordance with 40 CFR, Part 60, Section 60.7.
2. ~~Ambient air monitoring data shall be reported to the Department quarterly by the last day of the month following the quarterly reporting period utilizing the SAROAD or other format approved by the Department in writing. Ambient air monitoring reporting by the Alachua County Pollution Control Department may be used in lieu of reporting by the permittee.~~

E. Coal Characteristics and Contracts

Before approval can be granted by the Department for use of control devices, characteristics of the coal to be fired must be known. Therefore, before these approvals are granted, the applicant must submit to the Department copies of coal contracts which should include the expected sulfur content, ash content, and heat content of the coal to be fired. These data will be used by the Department in its evaluation of the adequacy of the control devices. Also, the applicant must demonstrate the ability to acquire a low sulfur coal supply of sufficient length to enable the installation of sulfur removal equipment if the supplies of low sulfur coal should not become available or be discontinued. Therefore, the coal contracts must be for a period of at least five (5) years from the date of start-up of the boiler. *5 YR CONTRACT*

F. As an alternative to the submittal of contracts for purchase of coal under condition 4 above, the applicant may submit the following information:

1. The name of the coal supplier;
2. The sulfur content, ash content, and heat content of the coal as specified in the purchase contracts;
3. The location of the coal deposits covered by the contract (including mine name and seam);
4. The date by which the first delivery of coal will be made;
5. The duration of the contract; and
6. An opinion of counsel for the applicant that the contract(s) are legally binding.

G. Reporting:

Beginning one month after certification the applicant shall submit to the Department a quarterly status report briefly outlining progress made on engineering design and purchase of major pieces of equipment (including control equipment). All reports and information required to be submitted under this condition shall be submitted to Mr. Hamilton S. Owen, Jr., Administrator of Power Plant Siting, Department of Environmental Regulation, 2600 Blair Stone Road, Tallahassee, Florida 32301.

II. Water Discharges

Any discharges into any waters of the State during construction and operation of Unit No. 2 shall be in accordance with all applicable provisions of Chapter 17-3, Florida Administrative Code and 40 CFR, 423, Effluent Guidelines and Standards for Steam Electric Power Generating Point Source Category. Also the permittee shall comply with the following special conditions of certification:

A. Plant Effluent and Receiving Body of Water

If any discharges are made from the power plant the following conditions would apply.

1. Receiving Body of Water (RBW)

The receiving body of water will be determined by the Department to be those waters affected which are considered to be waters of the State within the definition of Chapter 403, Florida Statutes.

2. Point of Discharge (P.O.D.)

The point of discharge will be determined by the Department to be where the effluent physically enters the waters of the State.

3. Thermal Mixing Zone

A zone of thermal mixing may be designated by the Department after submittal of a formal request pursuant to Chapter 17-3, FAC.

During discharge, the blowdown from the cooling tower for Unit No. 2 shall be withdrawn at the point of lowest temperature of the recirculating cooling water prior to the addition of makeup water. The temperature at the edge of the mixing zone shall not be greater than 92°F. nor shall it be greater than 5°F. above the ambient temperature.

4. Chemical Wastes

All chemical wastes shall be neutralized and treated in a steam evaporating brine concentrator disposal system. All effluents from this treatment system shall be either reused within the plant or disposed of in tanks or imperviously lined ponds. There shall be no discharge of brine concentrator wastes to ground or surface waters. This condition shall be applied specifically in conjunction with condition XII.*

5. Cooling Tower

If due to failure of the brine concentrator, it becomes necessary to discharge cooling tower blowdown, the cooling tower blowdown shall contain no detectable amounts of materials added for corrosion inhibition, including but not limited to zinc, chromium and phosphorus. The blowdown from the cooling tower shall be minimized to the greatest extent practical. During discharge the cooling tower blowdown shall have not more than 1000 mg/l of total dissolved solids. Discharge shall not be made for more than fourteen (14) days in any 90 day period.

6. Chlorine

The quantity of free available chlorine discharged in the blowdown from the cooling tower shall not exceed 0.5 mg/l at any one time and shall not exceed 0.2 mg/l as an average. Neither free available chlorine nor total residual chlorine may be discharged from Unit 2 for more than two hours in any one day and Unit 2 may not discharge chlorine while any other unit is discharging chlorine.

7. pH

The pH of all discharges shall be within the range of 6.0 to 8.5.

8. Polychlorinated Biphenyl Compounds

There shall be no discharge of polychlorinated biphenyl compounds.

B. Water Monitoring Programs

The permittee shall monitor and report to the Department the listed parameters on the basis specified herein. The methods and procedures utilized shall receive prior written approval by the Department. The monitoring program may be reviewed annually by the Department, and a determination may be made as to the necessity and extent of continuation, and may be modified in accordance with condition No. 12 of the General Conditions of Certification.

1. Chemical Monitoring

The following parameters shall be monitored as shown during discharge and reported quarterly to the Department:

<u>Parameter</u>	<u>Location</u>	<u>Sample Type</u>	<u>Frequency</u>
low, Groundwater	Intake Header	Recorder	Totalizer
low, Discharge	C.T. Outfall*	Recorder	Totalizer
Conductivity	C.T. Outfall	Recorder	Continuous
H	C.T. Outfall	Multiple Grab***	Daily
DS	C.T. Outfall	Grab	Weekly
Chlorine, Free Residual	C.T. Outfall	Multiple Grab***	During Discharge
Chlorine, Total	C.T. Outfall	Recorder	During Discharge
Oil and Grease	C.T. Outfall	Grab	During Discharge

2. Groundwater Monitoring

- a. The groundwater levels shall be monitored continuously at one centrally located well as approved by the Suwannee River Water Management District. Chemical analyses shall be made on samples from all monitored wells identified in Appendix I* and Peak Sink. The location, frequency and selected chemical analyses shall be as given in Appendix I* which is hereby incorporated herein and made a part of these conditions.
- b. The groundwater monitoring program shall be implemented at least one year prior to operation of Deerhaven Unit No. 2. The chemical analyses shall be in accord with the latest edition of Standard Methods for the Analysis of Water and Wastewater. The data shall be submitted within 30 days of collection/analysis to the Suwannee River Water Management District and to the DER Gainesville Sub-district Office.
- c. Conductivity and heavy metals shall be monitored in wells around all ash disposal sites.

III. Groundwater

A. General

The use of groundwater for Unit #2 shall be minimized to the greatest extent practicable, but in no case shall exceed 6.5 mgd.

B. Well Criteria

The submission of well logs and test results and location, design and construction of wells to provide cooling towers makeup water shall be in accordance with applicable rules of the Department of Environmental Regulation and the Suwannee River Water Management District.

* Cooling Tower Outfall Pipe.
 ** Point of Discharge
 *** Representative sample.

IV. Control Measures During Construction

A. Stormwater Runoff

During construction and plant operation, necessary measures shall be used to settle, filter, treat or absorb silt containing or pollutant laden stormwater runoff to insure against spillage or discharge of excavated material that may cause turbidity in excess of 50 Jackson Turbidity Units, above background in waters of the State, nor shall the runoff contain suspended solids in excess of 50 mg/l. Flows resulting from storm equal to or exceeding the 10 year 24 hour storm shall not be governed by this condition.*

Control measures may consist of, but not be limited to, sediment traps, barriers, berms and vegetation plantings. Exposed or disturbed soil shall be protected and stabilized as soon as possible to minimize silt and sediment laden runoff. The pH shall be kept within the range of 6.0 to 8.5.

B. Sanitary Wastes

Disposal of sanitary wastes from construction toilet facilities shall be in accordance with applicable regulations of the appropriate local health agency.

C. Environmental Control Program

An environmental control program shall be established under the supervision of a qualified person to assure that all construction activities conform to good environmental practices and the applicable conditions of certification.

If unexpected harmful effects or evidence of irreversible environmental damage are detected during construction, the permittee shall notify the appropriate district office of the Department by telephone during the working day that the effect or damage occurs and shall confirm this in writing within seventy-two (72) hours of becoming aware of such conditions, and shall provide in writing an analysis of the problem and a plan to eliminate or significantly reduce the harmful effects or damage.

V. Solid Waste

Solid Wastes resulting from construction or operation shall be disposed of in accordance with the applicable regulations of Chapter 17-7, FAC. Plant refuse during operation, exclusive of ash shall be disposed of in accordance with Chapter 17-7.*

Only open burning in connection with land clearing shall be in accordance with Chapter 17-5, FAC. Prior to each act of burning, the Division of Forestry shall be contacted to determine if satisfactory conditions exist for burning.

VI. Operational Safeguards

The overall design and layout of the facilities shall be such as to minimize hazards to humans and the environment. Security control measures shall be utilized to prevent exposure of the public to hazardous conditions. The Federal Occupational Safety and Health Standards will be complied with during construction. ~~and operation.~~ The Safety Standards specified under Section 440.56, Florida Statutes by the Industrial Safety Section of the Florida Department of Commerce will be complied with during operation.**

VII. Sanitary Wastes Disposal System

A. Septic Tank

The sanitary waste disposal system shall be designed to operate in conformance with Chapter 10D-6, FAC, and the guidelines of the Alachua County Health Department and the State of Florida. If repeated failures of the drainfield system (two or more per year) indicate a potential for causing a public health hazard as determined by the Alachua County Health Department or if sampling should indicate pollution of waters of the state due to excessive concentrations of coliform organisms, then the septic tank drainfield system shall be abandoned and plans for a properly designed sewage treatment plant shall be promptly submitted to the Department for approval and construction immediately thereafter.

B. Sewer Connection

Whenever an approved sanitary sewer is made available in a public right-of-way or easement abutting the site, the individual septic tank or any individual sewage disposal system, device or equipment shall be abandoned and the sewage wastes from the power plant facility shall be connected to the sanitary sewer within ninety (90) days of the date the sanitary sewer becomes available.

VIII. Construction in Waters of the State

All construction or channel improvement in the waters of the state shall be limited to flow control improvements to the outlet of the cypress dome utilized as a thermal mixing zone or at the outlet of stormwater runoff and ash disposal ponds and shall be done in a manner such that excessive silting or turbidity in excess of 50 Jackson Turbidity Units above background* will not occur. Ash disposal areas, coal piles, the brine concentrator waste pond and all wastewater treatment or holding ponds shall be isolated from waters of the state during construction. Waters isolated in such areas shall not be considered waters of the state.** No other construction or activities or dredging and filling activities in or on waters of the State are authorized by this certification.

IX. Transformer and Electric Switching Gear

The foundations for transformers, capacitors, and switching gear necessary for Deerhaven Unit 2 to the existing distribution system shall be constructed of an impervious material and shall be constructed in such a manner to allow complete collection and recovery of any spills or leakage of oily, toxic, or hazardous substances.

X. Toxic, Deleterious, or Hazardous Materials

The spill of any toxic, deleterious, or hazardous materials shall be reported in the manner specified by General Conditions 2.

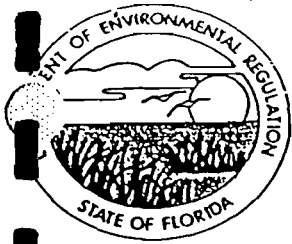
XI. Brine Concentrator

The applicant shall maintain on hand a sufficient inventory of spare parts for the brine concentrator to enable the applicant to return the malfunctioning equipment to proper operation as expeditiously as possible. During any malfunction of the brine concentrator there shall be no wastewater or cooling tower blow-down discharged to any tributary of Turkey Creek. The applicant shall develop a contingency plan for plant operation during any interval that the brine concentrator is malfunctioning. The contingency plan shall be submitted to all parties to the proceedings. Permission to discharge pursuant to condition IIA, or this condition shall be granted only after notice and opportunity for hearing.

XII. Leachate Control

The applicant shall develop a program of leachate control for the coal pile, ash disposal landfill, brine concentrator wastepond and all wastewater holding ponds, consisting of impermeable barriers or monitoring/collection wells to prevent contamination of groundwater. The program shall be submitted to the Department and the Suwannee River Water Management District for review and approval prior to construction of said facilities.

barriers or monitoring

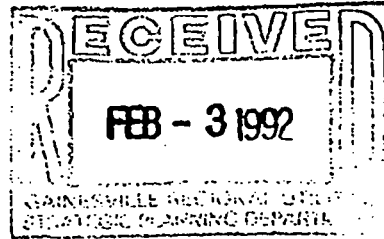


Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

Carol M. Browner, Secretary



January 31, 1992

Ms. Yolanta Jonynas
Gainesville Regional Utilities
Post Office Box 147117 (A136)
Gainesville, Florida 32614-7117

Dear Ms. Jonynas:

Alachua County - AP
Gainesville Regional Utilities
#1 CT at Deerhaven
ID#31JAX01000601

Permit No. A001-202759 for the No. 1 Combustion Turbine (CT)
at Deerhaven Generating Station is revised as follows:

Specific Condition (SC) No. 1.
The #2 fuel oil input rate is corrected to read
"279 MMBTU/hr"

Specific Condition (SC) No. 4.
The emission limit is corrected to read "<20% opacity".

Specific Condition (SC) No. 5.
It is changed by adding a note 3 by VE² to become VE^{2,3} and
it reads "³Per FAC Rule 17-2.700(2)(a)8".

This letter based on your 12-19-91 request shall become a
part of the above permit.

Sincerely,

Ernest E. Frey, P.E.
Director of District Management

EEF:JC:bt

xc: Gainesville Branch Office
Alachua Department of Environmental Services



Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

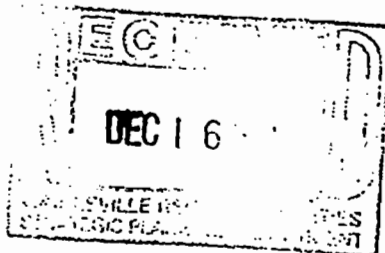
Carol M. Browner, Secretary

NOTICE OF PERMIT ISSUANCE

CERTIFIED - RETURN RECEIPT

Ms. Yolanta E. Jonynas
Sr. Electric Utility Engineer
Gainesville Regional Utilities
Post Office Box 490, Station 52
Gainesville, Florida 3260296

*Address
Change*



Dear Ms. Jonynas:

Alachua County - AP
Gainesville Regional Utilities
No. 1 CT @ Deerhaven

Enclosed is Permit Number A001-202759 to operate the subject air pollution source, pursuant to Section 403.087, Florida Statutes (FS).

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

The Petition shall contain the following information;

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

Gainesville Regional Utilities
Page two
A001-202759

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

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

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

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


Ernest E. Frey, P.E.

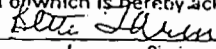
Director of District Management

EEF:bt

Copies furnished to: Douglas C. Beck, P.E.
Alachua Dept. Environmental Services

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to S120.52, Florida
Statutes, with the designated Department Clerk
receipt of which is hereby acknowledged.

CERTIFICATE OF SERVICE


Clerk

12-13
Date

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on 12-13-01 to the listed persons.



Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

Carol M. Browner, Secretary

PERMITTEE:

Gainesville Regional Utilities
P.O. Box 490, Sta. 52
Gainesville, Florida 32602

I.D. Number: 31JAX01000601
Permit/Certification Number: A001-202759
Date of Issue: 12-13-91
Expiration Date: January 1, 1997
County: Alachua
Latitude/Longitude: 29°45'30"N; 82°23'13"W
Project: No. 1 CT at Deerhaven
UTM: E-(17)365.9; N-3292.6

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

For the operation of No. 1 Combustion Turbine (CT) at Deerhaven Generating Station.

Located: U.S. 441 south of Hague, Alachua County, Florida.

In accordance with:

Application dated 09-28-76
Renewal application dated 01-12-81
Renewal application dated 10-06-86
Renewal application received 09-26-91

PERMITTEE:

Gainesville Regional Utilities
Post Office Box 490, Station 52
Gainesville, Florida 32602

I.D. Number: 31JAX01000601
Permit/Cert: A001-202759
Date of Issue:
Expiration Date: January 1, 1997

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.
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:

PERMITTEE:
Gainesville Regional Utilities
Post Office Box 490, Station 52
Gainesville, Florida 32602

I.D. Number: 31JAX01000601
Permit/Cert: A001-202759
Date of Issue:
Expiration Date: January 1, 1997

GENERAL CONDITIONS

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

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

8. If, for any reason, the permittee does not comply with, or will be unable to comply with, any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:
 - a. A description of and cause of non-compliance; and
 - b. the period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

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

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

PERMITTEE:
Gainesville Regional Utilities
Post Office Box 490, Station 52
Gainesville, Florida 32602

I.D. Number: 31JAX01000601
Permit/Cert: A001-202759
Date of Issue:
Expiration Date: January 1, 1997

GENERAL CONDITIONS

13. This permit also constitutes:

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

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

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.
- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
 - the date, exact place, and time of sampling or measurements;
 - the person responsible for performing the sampling or measurements;
 - the date(s) analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - the results of such analyses.

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

PERMITTEE:
Gainesville Regional Utilities
Post Office Box 490, Sta. 52
Gainesville, Florida 32602

I.D. Number: 31JAX01000601
Permit/Certification Number: A001-202759
Date of Issue:
Expiration Date: January 1, 1997

SPECIFIC CONDITIONS:

1. The maximum input rate (operating rate) is SEE BELOW and shall not be exceeded without prior approval.

<u>Rate</u>	<u>Fuel</u>
298.1 MMBTU/hr	natural gas ¹
279	#2 fuel oil 1,2

¹Either fuel may be fired.

²Diesel oil.

2. Testing of emissions must be performed at an operating rate of at least 90% of the rate in Specific Condition (SC) No. 1, or SC No. 3 will become effective.
3. The operating rate shall not exceed 110% of the operating rate during the most recent test except for testing purposes, but shall not exceed that rate in SC No. 1. After testing at an operating rate greater than 110% of the last test operating rate, the operating rate shall not exceed 110% of the last (submitted) test operating rate until the test report at the higher rate has been reviewed and accepted by the Department.
4. The permitted maximum allowable emission rate for each pollutant is as follows:
- | <u>Pollutant</u> | <u>FAC Rule</u> | <u>Emission Limit</u> |
|------------------------|-----------------|-----------------------|
| Visible Emissions (VE) | 17-2.610(2) | 20% opacity |
- Hours of operation shall be recorded.
5. Test the emission for the following pollutant(s) at the interval(s) indicated, notify the Department 14 days prior to testing, and submit the test report documentation to the Department within 45 days after completion of the testing:

<u>Pollutant</u>	<u>Interval</u>	<u>Test Method</u> ¹
VE ²	12 months from 04-01-91	EPA 9

¹From FAC Rule 17-2.700(1) in Table 700-1

²FAC Rule 17-2.700(2)(a)3. - Test not required when liquid and/or solid fuel is burned for a total of no more than 400 hours per year.

Tests and test reports shall comply with the requirements of Florida Administrative Code Rule 17-2.700(6) and (7), respectively.

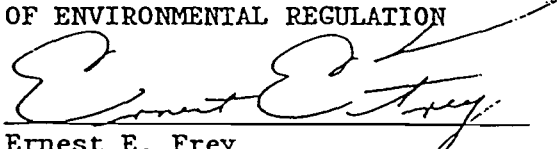
PERMITTEE:
Gainesville Regional Utilities
Post Office Box 490, Sta. 52
Gainesville, Florida 32602

I.D. Number: 31JAX01000601
Permit/Certification Number: A001-202759
Date of Issue:
Expiration Date: January 1, 1997

SPECIFIC CONDITIONS:

6. In each test report, submit the maximum input/production rate at which this source was operated since the most recent test.
7. Submit an annual operation report for this source on the form supplied by the Department for each calendar year on or before March 1.
8. Any revision(s) to a permit (and application) must be submitted and approved prior to implementing.
9. The ID No. for this source is to be used on all correspondence.
10. Forms for the renewal will be sent 5 months prior to 01-01-97 and the completed forms with test results are due 90 days prior to 01-01-97.

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

Ernest E. Frey
Director of District Management

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to S120.52, Florida
Statutes, with the designated Department Clerk,
receipt of which is hereby acknowledged. 12-13-91
Patty Jahn Clerk Date

CERTIFICATION

PROJECT NAME: Gainesville Regional Utilities
No. 1 CT at Deerhaven

APPLICATION NO: A001-202759

I HEREBY CERTIFY that the engineering features described in application No. A001-202759 provide reasonable assurance of compliance with the applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Title 17. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including, but not limited to, the electrical, mechanical, structural, hydrological, and geological features).

Andrew G. Kutyna, P.E.
Name, P.E.

Andrew G. Kutyna
Signature and Seal

12-10-91
Date



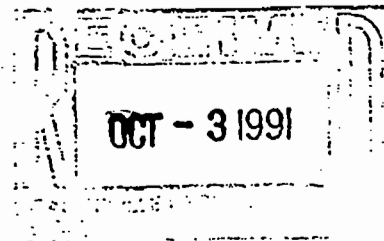
Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

Carol M. Browner, Secretary

NOTICE OF PERMIT ISSUANCE



CERTIFIED - RETURN RECEIPT

Ms. Yolanta E. Jonynas
Sr. Electric Utility Engineer
Gainesville Regional Utilities
Post Office Box 490, Sta. 52
Gainesville, Florida 32602

Dear Ms. Jonynas:

Alachua County - AP
Gainesville Regional Utilities
No. 2 CT at Deerhaven

Enclosed is Permit Number A001-199846 to operate the subject air pollution source, pursuant to Section 403.087, Florida Statutes (FS).

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

The Petition shall contain the following information;

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

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

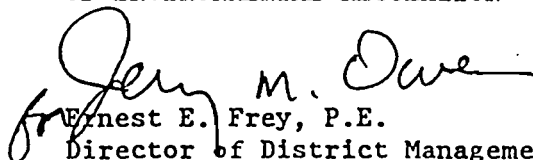
If a petition is filed, the administrative hearing process is designed to formulate agency action. Accordingly, the Department's final action may be different from the position taken by it in this permit. Persons whose substantial interests will be affected by any decision of the Department with regard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

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

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


Ernest E. Frey, P.E.
Director of District Management

EEF:bt

Copies furnished to:

FILING AND ACKNOWLEDGEMENT
FILED on this date pursuant to §120.52, Florida
Statutes, with the designated Department Clerk,
receipt of which is hereby acknowledged. 10/2/91
Patty Green
Clerk Date

CERTIFICATE OF SERVICE

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on 10/2/91 to the listed persons.



Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

Carol M. Browner, Secretary

PERMITTEE:

Gainesville Regional Utilities
P.O. Box 490, Sta. 52
Gainesville, Florida 32602

I.D. Number:	31JAX01000602
Permit/Certification Number:	A001-199846
Date of Issue:	10-02-91
Expiration Date:	November 1, 1996
County:	Alachua
Latitude/Longitude:	29°45'30"N; 82°23'15"W
Project:	No. 2 CT at Deerhaven
UTM:	E-(17)364.9; N-3392.6

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

For the operation of No. 2 Combustion Turbine (CT) at Deerhaven Generating Station.

Located: U.S. 441 near Hague, Alachua County, Florida.

In accordance with:

Application dated 02-28-77
Renewal application received 10-02-81
Renewal application received 09-11-86
Permit change request dated 11-17-86
Renewal application received 07-22-91

PERMITTEE:
Gainesville Regional Utilities
Post Office Box 490, Sta. 52
Gainesville, Florida 32602

I.D. Number: 31GVL01000602
Permit/Cert: A001-199846
Date of Issue:
Expiration Date: November 1, 1996

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.
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:

PERMITTEE:
Gainesville Regional Utilities
Post Office Box 490, Sta. 52
Gainesville, Florida 32602

I.D. Number: 31GVL01000602
Permit/Cert: A001-199846
Date of Issue:
Expiration Date: November 1, 1996

GENERAL CONDITIONS

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

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

8. If, for any reason, the permittee does not comply with, or will be unable to comply with, any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:
 - a. A description of and cause of non-compliance; and
 - b. the period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

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

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

PERMITTEE:
Gainesville Regional Utilities
Post Office Box 490, Sta. 52
Gainesville, Florida 32602

I.D. Number: 31GVL01000602
Permit/Cert: A001-199846
Date of Issue:
Expiration Date: November 1, 1996

GENERAL CONDITIONS

13. This permit also constitutes:

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

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

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.
- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
 - the date, exact place, and time of sampling or measurements;
 - the person responsible for performing the sampling or measurements;
 - the date(s) analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - the results of such analyses.

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

PERMITTEE:
Gainesville Regional Utilities
Post Office Box 490, Sta. 52
Gainesville, Florida 32602

I.D. Number:
Permit/Certification Number:
Date of Issue:
Expiration Date:

31GVL01000602
A001-199846
November 1, 1996

SPECIFIC CONDITIONS:

1. The maximum input rate (operating rate) is SEE BELOW and shall not be exceeded without prior approval.

<u>Rate</u>	<u>Fuel</u>
298.1 MMBTU/hr	natural gas ¹
279	#2 fuel oil ^{1,2}

¹Either fuel may be fired.
²Diesel oil.

2. Testing of emissions must be performed at an operating rate of at least 90% of the rate in Specific Condition (SC) No. 1, or SC No. 3 will become effective.
3. The operating rate shall not exceed 110% of the operating rate during the most recent test except for testing purposes, but shall not exceed that rate in SC No. 1. After testing at an operating rate greater than 110% of the last test operating rate, the operating rate shall not exceed 110% of the last (submitted) test operating rate until the test report at the higher rate has been reviewed and accepted by the Department.

4. The permitted maximum allowable emission rate for each pollutant is as follows:

<u>Pollutant</u>	<u>FAC Rule</u>	<u>Emission Limit</u>
Visible Emissions (VE)	17-2.610(2)	20% opacity

Hours of operation shall be recorded.

5. Test the emission for the following pollutant(s) at the interval(s) indicated, notify the Department 14 days prior to testing, and submit the test report documentation to the Department within 45 days after completion of the testing:

<u>Pollutant</u>	<u>Interval</u>	<u>Test Method</u> ¹
VE ²	12 months from 04-01-91	EPA 9

¹From FAC Rule 17-2.700(1) in Table 700-1

²FAC Rule 17-2.700(2)(a)3. - Test not required when liquid and/or solid fuel is burned for a total of no more than 400 hours per year.

Tests and test reports shall comply with the requirements of Florida Administrative Code Rule 17-2.700(6) and (7), respectively.

PERMITTEE:
Gainesville Regional Utilities
Post Office Box 490, Sta. 52
Gainesville, Florida 32602

I.D. Number: 31GVL01000602
Permit/Certification Number: A001-199846
Date of Issue:
Expiration Date: November 1, 1996

SPECIFIC CONDITIONS:

6. In each test report, submit the maximum input/production rate at which this source was operated since the most recent test.
7. Submit an annual operation report for this source on the form supplied by the Department for each calendar year on or before March 1.
8. Any revision(s) to a permit (and application) must be submitted and approved prior to implementing.
9. The ID No. for this source is to be used on all correspondence.
10. Forms for the renewal will be sent 5 months prior to 11-01-96 and the completed forms with test results are due 90 days prior to 11-01-96.

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION

for Ernest E. Frey
Ernest E. Frey
Director of District Management

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to S120.52, Florida
Statutes, with the designated Department Clerk,
receipt of which is hereby acknowledged. *10/2/96*
Betty Owen
Clerk Date

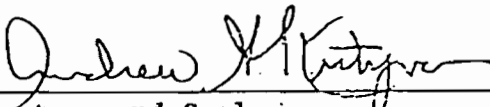
CERTIFICATION

PROJECT NAME: Gainesville Regional Utilities
No. 2 CT at Deerhaven

APPLICATION NO: A001-199846

I HEREBY CERTIFY that the engineering features described in application No. A001-199846 provide reasonable assurance of compliance with the applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Title 17. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including, but not limited to, the electrical, mechanical, structural, hydrological, and geological features).

Andrew G. Kutyna, P.E.
Name, P.E.



Signature and Seal

10-1-91
Date




Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

Carol M. Browner, Secretary

TO: Jerry Owen

FROM: Ernie Frey 
Director of District Management

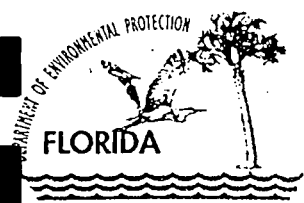
DATE: September 27, 1991

SUBJECT: Delegation of Authority for Signing Permits

During my absence on September 30 through October 4, 1991, you are authorized to sign all documents excluding NOVs, COs and court stipulated settlements.

A copy of this memo will be filed with each document that you sign.

EEF/hd



Department of Environmental Protection

Lawton Chiles
Governor

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

Virginia B. Wetherell
Secretary

PERMITTEE:
Gainesville Regional Utilities
P. O. Box 147117, Station A-134
Gainesville, FL 32614-7117

Permit Number: PSD-FL-212
Expiration Date: June 30, 1996
County: Alachua
Latitude/Longitude: 29°45'32"N
82°23'26"W

Project: A 74 MW Simple Cycle
Combustion Turbine
(DHCT3)

This permit is issued under the provisions of Chapter 403, Florida Statutes (F.S.); Chapters 62-210 through 62-297 and 62-4, Florida Administrative Code (F.A.C.); and, 40 CFR 52.21 and 60. 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 of Environmental Protection (Department) and specifically described as follows:

Construction of a 74 MW simple cycle combustion turbine designed to burn natural gas and No. 2 fuel oil. Deerhaven combustion turbine (DHCT3) will be constructed/installed at the Gainesville Regional Utilities (GRU)'s existing facility that is located near U.S. 441/SR20/SR25. The UTM coordinates are Zone 17, 365.5 km East and 3292.7 km North.

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

Attachments are listed below:

1. GRU's letter received October 20, 1993.
2. GRU's letter received December 29, 1993.
3. Construction Permit application received March 22, 1994.
4. Department's letter dated April 22, 1994.
5. GRU's letter with attachments received April 25, 1994.
6. GRU's letter with attachments received August 12, 1994.
7. GRU's letter with attachments received September 21, 1994.
8. Technical Evaluation and Preliminary Determination dated December 16, 1994.
9. GRU's letter with attachments dated May 5, 1994.

PERMITTEE: Permit Number: PSD-FL-212
Gainesville Regional Utilities Expiration Date: June 30, 1996

GENERAL CONDITIONS:

1. The terms, conditions, requirements, limitations, and restrictions set forth in this permit are "Permit Conditions" and are binding and enforceable pursuant to Sections 403.161, 403.727, or 403.859 through 403.861, F.S. The permittee is placed on notice that the Department will review this permit periodically and may initiate enforcement action for any violation of these conditions.

2. This permit is valid only for the specific processes and operations applied for and indicated in the approved drawings or exhibits. Any unauthorized deviation from the approved drawings, exhibits, specifications, or conditions of this permit may constitute grounds for revocation and enforcement action by the Department.

3. As provided in Subsections 403.087(6) and 403.722(5), F.S., the issuance of this permit does not convey any vested rights or any exclusive privileges. Neither does it authorize any injury to public or private property or any invasion of personal rights, nor any infringement of federal, state or local laws or regulations. This permit is not a waiver of or approval of any other Department permit that may be required for other aspects of the total project which are not addressed in the permit.

4. This permit conveys no title to land or water, does not constitute State recognition or acknowledgement of title, and does not constitute authority for the use of submerged lands unless herein provided and the necessary title or leasehold interests have been obtained from the State. Only the Trustees of the Internal Improvement Trust Fund may express State opinion as to title.

5. This permit does not relieve the permittee from liability for harm or injury to human health or welfare, animal, or plant life, or property caused by the construction or operation of this permitted source, or from penalties therefore; nor does it allow the permittee to cause pollution in contravention of F.S. and Department rules, unless specifically authorized by an order from the Department.

6. The permittee shall properly operate and maintain the facility and systems of treatment and control (and related appurtenances) that are installed or used by the permittee to achieve compliance with the conditions of this permit, as required by Department rules. This provision includes the operation of backup or auxiliary facilities or similar systems when necessary to achieve compliance with the conditions of the permit and when required by Department rules.

7. The permittee, by accepting this permit, specifically agrees to allow authorized Department personnel, upon presentation of credentials or other documents as may be required by law and at a

PERMITTEE: Permit Number: PSD-FL-212
Gainesville Regional Utilities Expiration Date: June 30, 1996

GENERAL CONDITIONS:

reasonable time, access to the premises, where the permitted activity is located or conducted to:

- a. Have access to and copy any records that must be kept under the conditions of the permit;
- b. Inspect the facility, equipment, practices, or operations regulated or required under this permit; and,
- c. Sample or monitor any substances or parameters at any location reasonably necessary to assure compliance with this permit or Department rules.

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

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

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

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

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

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

11. This permit is transferable only upon Department approval in accordance with Rules 62-4.120 and 62-30.300, F.A.C., as applicable.

PERMITTEE: Permit Number: PSD-FL-212
Gainesville Regional Utilities Expiration Date: June 30, 1996

GENERAL CONDITIONS:

The permittee shall be liable for any non-compliance of the permitted activity until the transfer is approved by the Department.

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

13. This permit also constitutes:

- (x) Determination of Best Available Control Technology (BACT)
- (x) Determination of Prevention of Significant Deterioration (PSD)
- (x) Compliance with New Source Performance Standards (NSPS)

14. The permittee shall comply with the following:

- a. Upon request, the permittee shall furnish all records and plans required under Department rules. During enforcement actions, the retention period for all records will be extended automatically unless otherwise stipulated by the Department.
- b. The permittee shall hold at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation) required by the permit, copies of all reports required by this permit, and records of all data used to complete the application for this permit. These materials shall be retained at least three years from the date of the sample, measurement, report, or application unless otherwise specified by Department rule.
- c. Records of monitoring information shall include:
 - the date, exact place, and time of sampling or measurements;
 - the person responsible for performing the sampling or measurements;
 - the dates analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and,
 - the results of such analyses.

15. When requested by the Department, the permittee shall within a reasonable time furnish any information required by law which is needed to determine compliance with the permit. If the permittee

PERMITTEE: Permit Number: PSD-FL-212
Gainesville Regional Utilities Expiration Date: June 30, 1996

GENERAL CONDITIONS:

becomes aware that relevant facts were not submitted or were incorrect in the permit application or in any report to the Department, such facts or information shall be corrected promptly.

SPECIFIC CONDITIONS:

General Operating Requirements

1. The maximum heat input rates, based on high heating values of each fuel, to the DHCT3 and at ISO conditions (i.e., 59° F, 60% relative humidity and 101.3 kilopascals pressure), shall not exceed 971.1 MMBTU/hr, while firing natural gas, nor 990.6 MMBTU/hr, while firing fuel oil. Heat input will vary depending on ambient conditions and the DHCT3 characteristics. Manufacturer's curves or equations for correction to other ambient conditions shall be provided to the Department of Environmental Protection (DEP) at least 90 days before initial compliance testing.
2. The DHCT3 is allowed to operate up to 3900 hours per year, but not to exceed 2000 hours while firing fuel oil.
3. Only natural gas (NG) or No. 2 fuel oil shall be fired in the combustion turbine. The maximum sulfur content of the fuel oil shall not exceed 0.05 percent, by weight. GRU has established that there is approximately 55 hours of full load operation of fuel oil, which contains nominally 0.25% sulfur content, by weight, remaining in the fuel storage tank. GRU will be allowed to deplete this reserve by firing the fuel oil in the DHCT3. However, all future deliveries of fuel oil for the DHCT3 shall meet the BACT requirement, which limits the fuel oil sulfur content to no more than 0.05%, by weight. Fuel sulfur content shall be determined and recorded each time fuel is transferred into the bulk storage tank(s).
4. During the construction period, unconfined particulate matter emissions shall be minimized by dust suppressing techniques, such as covering and/or application of water or chemicals to the affected areas pursuant to Rule 62-296.310(3), F.A.C. - Unconfined Emissions of Particulate Matter.
5. Any change in the method of operation, equipment or operating hours, pursuant to Rule 62-212.200, F.A.C., Definitions - Modifications, shall be submitted in writing and/or on an application to the DEP's Bureau of Air Regulation office and Northeast District office.

PERMITTEE: Gainesville Regional Utilities Permit Number: PSD-FL-212
 Expiration Date: June 30, 1996

SPECIFIC CONDITIONS:

Emission Limits

6. The maximum allowable emissions from the DHCT3, when firing natural gas or No. 2 fuel oil, in accordance with the BACT determination, and at 95 - 100% percent load based on the manufacturer's curves submitted to the DEP, shall not exceed the following limits except during periods of start up, shutdown, and malfunction load change and fuel switching pursuant to Rule 62-210.700, F.A.C.:

MAXIMUM ALLOWABLE EMISSION LIMITS

<u>POLLUTANT</u>	<u>FUEL</u>	<u>BACT STANDARD</u>	<u>LBS/HR</u>	<u>TPY</u>
NO _x *	Gas	15 ppmvd @ 15% Oxygen	58	113(a)
	Oil	42 ppmvd @ 15% Oxygen	184	184(b)
			Combined(c)	239
PM ₁₀	Gas	Good combustion; visible emissions shall not exceed 10% opacity	7(d)	14(a)(d)
	Oil	Good combustion of low sulfur oil; visible emissions shall not to exceed 10% opacity	15(d) Combined(c)	15(b) 22
SO ₂	Gas	Good combustion	29(d)	57(a)
	Oil	Good combustion of low sulfur fuel oil: max. 0.05% sulfur content, by weight	53(d) Combined(c)	53(b) 81
	Oil	Good combustion, limited quantity: max. 0.25% sulfur content, by weight		
H ₂ SO ₄ Mist	Gas	Good combustion	3(d)	6(a)
	Oil	Good combustion of low sulfur fuel oil: max. 0.05% sulfur content, by weight	6(d) Combined(c)	6(b)(d) 9
	Oil	Good combustion, limited quantity: max. 0.25% sulfur content, by weight		

*These values will be calculated using F factors.

- (a) Based on a maximum of 3900 hours of operation with natural gas firing.
- (b) Based on a maximum of 2000 hours of operation with fuel oil firing.
- (c) Based on 1900 hours natural gas firing and 2000 hours of operation with fuel oil firing.
- (d) Compliance shall be demonstrated through fuel sulfur analysis.

PERMITTEE: Gainesville Regional Utilities Permit Number: PSD-FL-212
Expiration Date: June 30, 1996

SPECIFIC CONDITIONS:

7. Visible emissions shall not exceed 10% opacity when firing natural gas or No. 2 fuel oil.

8. The potential emissions projected from the DHCT3 are:

ESTIMATED POTENTIAL EMISSIONS

<u>Pollutant</u>	<u>Method of Control</u>	<u>TPY **</u>
CO	Good combustion, proper use of water injection system	95.4
VOC	Good combustion	8.66
Inorganic Arsenic	Natural Gas/No. 2 Fuel Oil	0.004854
Mercury	Natural Gas/No. 2 Fuel Oil	0.0009
Pb	Natural Gas/No. 2 Fuel Oil	0.05746
Be	Natural Gas/No. 2 Fuel Oil	0.00032

** TPY values are for annual operation reports (AOR) and PSD applicability determinations. These values are based on the DHCT3 operating at full load at ISO conditions for a total of 3900 hours per year, with up to 2000 hours of No. 2 fuel oil-fired operation.

Compliance Determination

9. Compliance with the allowable emission limiting standards shall be determined within 60 days after achieving the maximum production rate at which this unit will be operated, but not later than 180 days of initial operation at the maximum capability of the unit and annually thereafter, by using the following reference methods as described in 40 CFR 60, Appendix A (1993 version), and adopted by reference in Chapter 62-297, F.A.C.

Initial (I) compliance tests shall be performed on the DHCT3 while firing each fuel (gas, oil). Annual (A) compliance tests shall be performed during every federal fiscal year (October 1 - September 30) pursuant to Rule 62-297.340, F.A.C., on the DHCT3 with the fuel(s) used for more than 400 hours in the preceding 12-month period.

- Method 9 Visual Determination of the Opacity of Emissions from Stationary Sources (I,A)

PERMITTEE: Permit Number: PSD-FL-212
Gainesville Regional Utilities Expiration Date: June 30, 1996

SPECIFIC CONDITIONS:

- Method 10 Determination of Carbon Monoxide Emissions from Stationary Sources (I)
- Method 20 Determination of Nitrogen Oxides and Diluent Emissions from Stationary Gas Turbines (I,A)

Note: No other methods may be used for compliance testing unless prior DEP approval is received in writing. The DEP may request a special compliance test pursuant to Rule 62-297.340(2), F.A.C., when, after investigation (such as complaints, increased visible emissions, or questionable maintenance of control equipment), there is reason to believe that any applicable emission standard is being violated.

10. Notwithstanding the requirements of Rule 62-297.340, F.A.C., the exclusive use of fuel oil with a maximum sulfur content limit of 0.05% or less, by weight, is the method for determining compliance for SO₂, H₂SO₄ mist, and PM₁₀. There is no suitable method for the testing of PM₁₀ from this type of emissions unit, and the SO₂ and H₂SO₄ emissions are clearly limited by the sulfur content of the fuel. Compliance with the SO₂ and sulfuric acid mist emission limits shall be determined by fuel oil analysis using ASTM D2880-71 or D4294 (or equivalent) for the sulfur content of liquid fuels and D1072-80, D3031-81, D4084-82 or D3246-81 (or equivalent) for sulfur content of gaseous fuel. Alternatively, natural gas and fuel oil supplier data for sulfur content may be submitted. However, the applicant is responsible for ensuring that the procedures above are used for determination of fuel sulfur content. Analysis may be performed by the owner or operator, a service contractor retained by the owner or operator, the fuel vendor, or any other qualified agency pursuant to 40 CFR 60.335(e) (1993 version).

11. Pursuant to Rule 62-212.410, F.A.C., the permittee shall install a dry low-NO_x combustor on the DHCT3 for NO_x control when firing natural gas. Control of NO_x when firing No. 2 fuel oil shall be accomplished by water injection.

12. An initial test for CO, concurrent with each NO_x test, is required to confirm that annual potential emissions will not exceed 100 TPY. The NO_x and initial CO test results shall be the average of three valid one-hour runs. The DEP's Northeast District office shall be notified, in writing, at least 30 days prior to the initial compliance tests and at least 15 days before annual compliance test(s). Testing of emissions shall be conducted with the combustion turbine operating at permitted capacity. Permitted capacity is defined as 95-100 percent of the maximum heat input rate allowed by the permit, corrected for the average ambient air

PERMITTEE: Permit Number: PSD-FL-212
Gainesville Regional Utilities Expiration Date: June 30, 1996

SPECIFIC CONDITIONS:

temperature during the test (with 100 percent represented by a curve depicting heat input v. ambient temperature). If it is impracticable to test at permitted capacity, the source may be tested at less than permitted capacity. In this case subsequent operation is limited by adjusting the entire heat input v. ambient temperature curve downward by an increment equal to the difference between the maximum permitted heat input (corrected for ambient temperature) and 105 percent of the value reached during the test until a new test is conducted. Once the unit is so limited, operation at higher capacities is allowed for no more than 15 consecutive days for the purposes of additional compliance testing to regain the permitted capacity. Compliance test results shall be submitted to the DEP's Northeast District office no later than 45 days after completion of the last test run.

13. Excess NO_x emissions from this turbine resulting from startup, shutdown, malfunction, fuel switching or load change, shall be acceptable providing (1) best operational practices to minimize emissions are adhered to and (2) the duration of excess emissions shall be minimized but in no case exceed two hours in any 24-hour period unless specifically authorized by the DEP's Bureau of Air Regulation or the Northeast District office for a longer duration. Best operating practices shall be documented in writing and a copy submitted to the DEP's Northeast District office along with the initial compliance test data. The document may be updated as needed with all updates submitted to the DEP's Northeast District office within thirty (30) days of implementation and shall include time limitations on excess emissions caused by turbine startup.

Notification, Reporting and Recordkeeping

14. Notification and recordkeeping shall be in accordance with 40 CFR 60.7 (1993 version). The following protocols shall be submitted to the DEP's Northeast District office for approval:

- a. CEMS - If applicable, the Federal Acid Rain Program requirements of 40 CFR 75 shall apply when those requirements become effective in Florida.
- b. Performance Test Protocol - At least 30 days prior to conducting the initial performance tests required by this permit, the permittee shall submit to the DEP's Northeast District office for their review and approval: a protocol outlining the procedures to be followed; the test methods; and, any differences between the reference methods and the test methods proposed to be used to verify compliance with the conditions of this permit.

PERMITTEE:

Permit Number: PSD-FL-212

Gainesville Regional Utilities Expiration Date: June 30, 1996

SPECIFIC CONDITIONS:

- c. All measurements, records, and other data required to be maintained by GRU shall be retained for at least five (5) years following the date on which such measurements, records, or data are recorded. These data shall be made available to the DEP representatives.

Monitoring Requirements

15. The permittee shall install, calibrate, maintain, and operate a continuous emission monitor in the stack to measure and record the nitrogen oxides emissions from this source. One-hour periods when NO_x emissions (ppmvd @ 15% oxygen) are above the BACT standards (15/42 gas/oil) shall be reported as excess emissions following the format of 40 CFR 60.7 (1993 version). The continuous emission monitor must comply with Rule 62-297.520, F.A.C.; 40 CFR 60, Appendix F, Quality Assurance Procedures (1993 version) (or other DEP approved QA plan); 40 CFR 60, Appendix B, Performance Specification 2 (1993 version); or, if applicable, 40 CFR 75, Appendix A and Appendix B. Periods of startup, shutdown, fuel switching, malfunction, and load change shall be monitored and recorded. The NO_x CEMS will be used in lieu of the water/fuel monitoring system and fuel bound nitrogen (FBN) monitoring, which are required in accordance with 40 CFR 60, Subpart GG (1993 version), and are used as indicators of compliance with the NO_x standard specified in the subpart. Since the NO_x emission standard from Subpart GG is more than twice the BACT standard, monitoring for emissions in excess of the BACT limits using the NO_x CEMS is more stringent. FBN levels are not required for excess emission reports when excess emissions are reported and based on the stack monitoring system. The calibration of the water/fuel monitoring device required in 40 CFR 60.335(c)(2) (1993 version) will be replaced by certification tests of the NO_x CEMS.

16. A malfunction means any sudden and unavoidable failure of air pollution control equipment or process equipment to operate in a normal or usual manner. Failures that are caused entirely or in part by poor maintenance, careless operation, or any other preventable upset condition or preventable equipment breakdown shall not be considered malfunctions and shall be prohibited pursuant to Rule 62-210.700, F.A.C.

17. The sulfur content of the fuel oil being fired in the combustion turbine shall be determined in accordance with 40 CFR 60.334(b) (1993 version). Any request for a future custom schedule shall be made in writing and directed to the EPA's office in Atlanta and the DEP's Bureau of Air Regulation office. Any custom schedule approved by EPA and DEP pursuant to 40 CFR 60.334 (b) (1993 version) will be recognized as enforceable provisions of the

PERMITTEE: Permit Number: PSD-FL-212
Gainesville Regional Utilities Expiration Date: June 30, 1996

SPECIFIC CONDITIONS:

permit. The records of natural gas and No. 2 fuel oil usage shall be kept by the company for a five (5) years period for regulatory agency inspection purposes.

Rule Requirements

18. The emission unit shall be in compliance with all applicable provisions of Chapter 403, F.S., and Chapters 62-4, 210, 212, 275, 296 and 297, F.A.C., except as otherwise specified herein.

19. The emission unit shall be in compliance with all applicable requirements of 40 CFR 60, Subpart A, Appendix A and Appendix B (1993 version), Subpart GG - Standards of Performance for Stationary Gas Turbines (1993 version), and Rule 62-296.800(2)(a), F.A.C., except as otherwise specified herein. The Subpart GG requirement to correct test data to ISO conditions applies. However, such correction is not used for compliance determinations with the BACT standard(s). All notifications and reports required by this specific condition shall be submitted to the DEP's Northeast District office.

20. Issuance of this permit does not relieve the facility owner or operator from compliance with any applicable federal, state, or local permitting requirements and regulations (Rule 62-210.300(1), F.A.C.).

21. Except as otherwise specified herein, the emission unit shall be in compliance with all applicable provisions of Rule 62-210.650, F.A.C.: Circumvention; Rule 62-210.700, F.A.C.: Excess Emissions; Rule 62-296.800, F.A.C.: Standards of Performance for New Stationary Sources (NSPS); Chapter 62-297, F.A.C.: Stationary Sources - Emissions Monitoring; and, Rule 62-4.130, F.A.C.: Plant Operation - Problems.

22. If construction does not commence within 18 months of issuance of this permit, the permittee shall obtain from the DEP's Bureau of Air Regulation a review and, if necessary, a modification of the BACT determination and allowable emissions for the unit(s) on which construction has not commenced (40 CFR 52.21(r)(2) (1993 version)).

23. Quarterly excess emission reports, in accordance with 40 CFR 60.7 and 60.334 (1993 version), shall be submitted to the DEP's Northeast District office.

24. Pursuant to Rule 62-210.370(2), F.A.C., Annual Operating Reports, the permittee is required to submit annual reports on the actual operating rates and emissions from this facility. These reports shall include, but are not limited to the following:

PERMITTEE: Gainesville Regional Utilities Permit Number: PSD-FL-212
Expiration Date: June 30, 1996

SPECIFIC CONDITIONS:

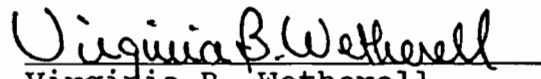
sulfur content of the fuel being fired, fuel usage, hours of operation, air emissions limits, etc. Annual operating reports shall be sent to the DEP's Northeast District office by March 1st of each calendar year.

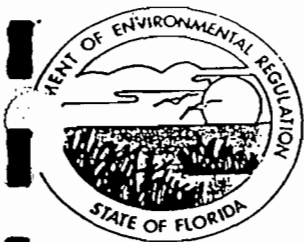
25. Stack sampling facilities shall be installed in accordance with Rule 62-297.345, F.A.C.

26. The permittee, for good cause, may request that this construction permit be extended. Such a request shall be submitted to the Bureau of Air Regulation prior to 60 days before the expiration of the permit (Rule 62-4.090, F.A.C.).

27. An application for a Title V operation permit must be submitted to the Tallahassee office no later than 180 days after commencing operation. The permittee shall submit a timely and complete permit application in compliance with the requirements of Rule 62-213.420, F.A.C. To properly apply for an operation permit, the permittee shall submit the appropriate application form, fee, certification that construction was completed noting any deviations from the conditions in the construction permit, and compliance test reports as required by this permit (Rules 62-4.055 and 62-4.220, F.A.C.).

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL PROTECTION


Virginia B. Wetherell
Secretary

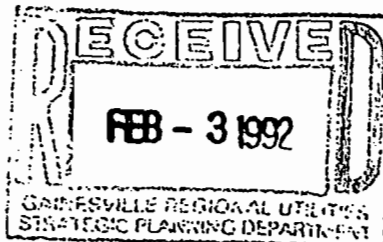


Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

Carol M. Browner, Secretary



January 30, 1992

Ms. Yolanta Jonynas
Gainesville Regional Utilities
Post Office Box 147117 (A136)
Gainesville, Florida 32614-7117

Dear Ms. Jonynas:

Alachua County - AP
Gainesville Regional Utilities
Incinerator at Deerhaven

Permit No. AO01-202758 for the subject incinerator is revised as follows:

Specific Condition No. 4.

The VE emission limit is corrected to read: "5% opacity, except 20% opacity for 3 min/hr".

This letter based on your 12-19-91 request shall become a part of the above permit.

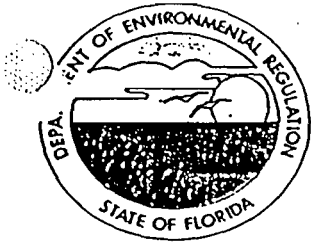
Sincerely,

Ernest E. Frey, P.E.
Director of District Management

EEF:JC:bt

cc: Gainesville Branch Office
Alachua Department of Environmental Services

Best Available Copy



Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

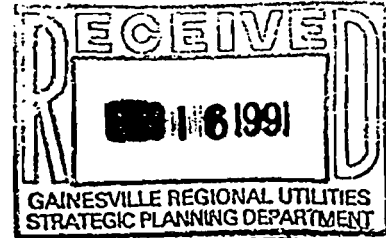
Carol M. Browner, Secretary

NOTICE OF PERMIT ISSUANCE

CERTIFIED - RETURN RECEIPT

Ms. Yolanta E. Jonynas
Sr. Electric Utility Engineer
Gainesville Regional Utilities
Post Office Box 490, Station 32
Gainesville, Florida 3260296

} address
change



Dear Ms. Jonynas:

Alachua County - AP
Gainesville Regional Utilities
Incinerator @ Deerhaven

Enclosed is Permit Number A001-202758 to operate the subject air pollution source, pursuant to Section 403.087, Florida Statutes (FS).

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

The Petition shall contain the following information;

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

Gainesville Regional Utilities
Page two
A001-202758

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

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

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

When the Order (Permit) is final, any party to the Order has the right to seek judicial review of the Order pursuant to Section 120.68, Florida Statutes, by the filing of a Notice of Appeal pursuant to Rule 9.110, Florida Rules of Appellate procedure, with the Clerk of the Department in the Office of General Counsel, 2600 Blair Stone Road, Tallahassee, Florida 32399-2400; and by filing a copy of the Notice of Appeal accompanied by the applicable filing fees with the appropriate District Court of Appeal. The Notice of Appeal must be filed within 30 days from the date the Final Order is filed with the Clerk of the Department.

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION


Ernest E. Frey, P.E.
Director of District Management

EEF:bt

Copies furnished to: Douglas C. Beck, P.E.

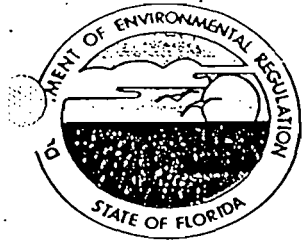
FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to S120.52, Florida
Statutes, with the designated Department Clerk,
receipt of which is hereby acknowledged.

CERTIFICATE OF SERVICE

Beck, Douglas
Clerk

12-13-91
Date

This is to certify that this NOTICE OF PERMIT and all copies were mailed before the close of business on 12-13-91 to the listed persons.



Florida Department of Environmental Regulation

Northeast District • Suite B200, 7825 Baymeadows Way • Jacksonville, Florida 32256-7577

Lawton Chiles, Governor

Carol M. Browner, Secretary

PERMITTEE:

Gainesville Regional Utilities
P.O. Box 490, Sta. 52
Gainesville, Florida 32602

I.D. Number: 31JAX01000604
Permit/Certification Number: A001-202758
Date of Issue: 12-13-91
Expiration Date: January 1, 1997
County: Alachua
Latitude/Longitude: 29°45'30"N; 82°23'13"W
Project: Incinerator @ Deerhaven
UTM: E-(17)365.9; N-3292.6

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

For the operation of a George L. Simonds Co. Model No. B-215 incinerator ducted to the No. 1 FFSG Unit stack.

Located north of U.S. 441, south of Hague, Alachua County, Florida.

In accordance with:

Operation permit application dated 02-25-77
Renewal application dated 01-04-82
Renewal application dated 10-06-86
Renewal application received 09-26-91

PERMITTEE:
Gainesville Regional Utilities
Post Office Box 490, Station 52
Gainesville, Florida 32602

I.D. Number: 31JAX01000604
Permit/Cert: A001-202758
Date of Issue:
Expiration Date: January 1, 1997

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.
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:

PERMITTEE:
Gainesville Regional Utilities
Post Office Box 490, Station 52
Gainesville, Florida 32602

I.D. Number: 31JAX01000604
Permit/Cert: A001-202758
Date of Issue:
Expiration Date: January 1, 1997

GENERAL CONDITIONS

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

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

8. If, for any reason, the permittee does not comply with, or will be unable to comply with, any condition or limitation specified in this permit, the permittee shall immediately notify and provide the department with the following information:
 - a. A description of and cause of non-compliance; and
 - b. the period of non-compliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and steps being taken to reduce, eliminate, and prevent recurrence of the non-compliance.

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

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

PERMITTEE:
Gainesville Regional Utilities
Post Office Box 490, Station 52
Gainesville, Florida 32602

I.D. Number: 31JAX01000604
Permit/Cert: A001-202758
Date of Issue:
Expiration Date: January 1, 1997

GENERAL CONDITIONS

13. This permit also constitutes:

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

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

- a. Upon request, the permittee shall furnish all records and plans required under department rules. The retention period for all records will be extended automatically, unless otherwise stipulated by the department, during the course of any unresolved enforcement action.
- b. The permittee shall retain at the facility or other location designated by this permit records of all monitoring information (including all calibration and maintenance records and all original strip chart recordings for continuous monitoring instrumentation), copies of all reports required by this permit, and records of all data used to complete the application for this permit. The time period of retention shall be at least three years from the date of the sample, measurement, report or application unless otherwise specified by department rule.
- c. Records of monitoring information shall include:
 - the date, exact place, and time of sampling or measurements;
 - the person responsible for performing the sampling or measurements;
 - the date(s) analyses were performed;
 - the person responsible for performing the analyses;
 - the analytical techniques or methods used; and
 - the results of such analyses.

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

PERMITTEE:
Gainesville Regional Utilities
Post Office Box 490, Sta. 52
Gainesville, Florida 32602

I.D. Number: 31JAX01000604
Permit/Certification Number: A001-202758
Date of Issue:
Expiration Date: January 1, 1997

SPECIFIC CONDITIONS:

1. The maximum input rate (operating rate) is SEE BELOW and shall not be exceeded without prior approval.

<u>Rate</u>	<u>Material</u>
215 CFD ¹	Type I waste (Rubbish)
¹ CFD - cubic feet per day	

2. Testing of emissions must be performed at an operating rate of at least 90% of the rate in Specific Condition (SC) No. 1, or SC No. 3 will become effective.
3. The operating rate shall not exceed 110% of the operating rate during the most recent test except for testing purposes, but shall not exceed that rate in SC No. 1. After testing at an operating rate greater than 110% of the last test operating rate, the operating rate shall not exceed 110% of the last (submitted) test operating rate until the test report at the higher rate has been reviewed and accepted by the Department.

4. The permitted maximum allowable emission rate for each pollutant is as follows:

<u>Pollutant</u>	<u>FAC Rule</u>	<u>Emission Limit</u>
VE ¹	17-2.600(1)(a)1.	5% opacity, except 3 mins. per hr.
Odor	17-2.600(1)(a)2.	None objectionable

¹VE - Visible emissions

Hours of operation shall be recorded.

5. Test the emission for the following pollutant(s) at the interval(s) indicated, notify the Department 14 days prior to testing, and submit the test report documentation to the Department within 45 days after completion of the testing:

<u>Pollutant</u>	<u>Interval</u>
VE	Not required due to exhausting thru #1 FFSG Unit stack

Tests and test reports shall comply with the requirements of Florida Administrative Code Rule 17-2.700(6) and (7), respectively.

PERMITEE:
Gainesville Regional Utilities
Post Office Box 490, Sta. 52
Gainesville, Florida 32602

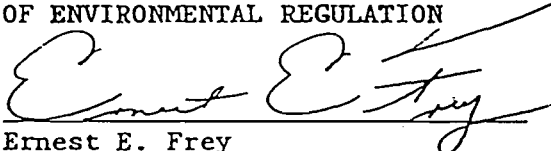
I.D. Number: 31JAX01000604
Permit/Certification Number: A001-202758
Date of Issue:
Expiration Date: January 1, 1997

SPECIFIC CONDITIONS:

6. Submit an annual operation report for this source on the form supplied by the Department for each calendar year on or before March 1.
7. Any revision(s) to a permit (and application) must be submitted and approved prior to implementing.
8. The ID No. for this source is to be used on all correspondence.
9. Forms for the renewal will be sent 5 months prior to 01-01-97 and the completed forms with test results are due 90 days prior to 01-01-97.

Executed in Jacksonville, Florida.

STATE OF FLORIDA DEPARTMENT
OF ENVIRONMENTAL REGULATION



Ernest E. Frey
Director of District Management

FILING AND ACKNOWLEDGEMENT
FILED, on this date, pursuant to S120.52, Florida
Statutes, with the designated Department Clerk
receipt of which is hereby acknowledged.

Betty Jones 12-13-97
Clerk Date

CERTIFICATION

PROJECT NAME: Gainesville Regional Utilities
Incinerator @ Deerhaven

APPLICATION NO: A001-202758

I HEREBY CERTIFY that the engineering features described in application No. A001-202758 provide reasonable assurance of compliance with the applicable provisions of Chapter 403, Florida Statutes, and Florida Administrative Code Title 17. However, I have not evaluated and I do not certify aspects of the proposal outside of my area of expertise (including, but not limited to, the electrical, mechanical, structural, hydrological, and geological features).

Andrew G. Kutyna, P.E.
Name, P.E.

Andrew G. Kutyna
Signature and Seal

12-10-91
Date



December 22, 1995

Mr. John Brown, Administrator
Air Permitting and Standards
Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400

RE: Gainesville Regional Utilities
Deerhaven and J.R. Kelly
Phase II Permit Applications

Dear Mr. Brown:

Enclosed are one (1) original and three (3) copies of the Phase II Permit Applications for the Deerhaven and J.R. Kelly plants. Each application consists of the following:

- DEP Form 62-210.900(1)(a),
- Copy of the Certificate of Representation and,
- For Deerhaven only, a letter to EPA dated October 9, 1995 providing notice of representation for a new combustion turbine (CT3) at the Deerhaven plant.

Please call me at (352) 334-3400 Ext. 1284 if you have any questions regarding these applications.

Sincerely,

A handwritten signature in cursive script that reads 'Yolanta E. Jonynas'.

Yolanta E. Jonynas
Sr. Environmental Engineer

xc: R. Casserleigh
F. Hancock
L. McDaniel
CAA Title IV

ph2apps.y17

Phase II Permit Application

For more information, see instructions and refer to 40 CFR 72.30 and 72.31 and Chapter 62-214, F.A.C.

This submission is: New Revised

STEP 1
Identify the source by plant name, State, and ORIS code from NADB

Plant Name	Deerhaven	State	FL	ORIS Code	663
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STEP 2
Enter the boiler ID# from NADB for each affected unit, and indicate whether a repowering plan is being submitted for the unit by entering "yes" or "no" at column c. For new units, enter the requested information in columns d and e

Compliance Plan				
a	b	c	d	e
Boiler ID#	Unit Will Hold Allowances in Accordance with 40 CFR 72.9(c)(1)	Repowering Plan	New Units Commence Operation Date	New Units Monitor Certification Deadline
B1	Yes	NO		
B2	Yes	NO		
CT3	Yes	NO	12/20/95	Unknown
	Yes			
	Yes			
	Yes			
	Yes			
	Yes			
	Yes			
	Yes			
	Yes			
	Yes			
	Yes			

For each unit that will be repowered, the Repowering Extension Plan form is included and the Repowering Technology Petition form has been submitted or will be submitted by June 1, 1997.

STEP 3
Check the box if the response in column c of Step 2 is "Yes" for any unit

Plant Name (from Step 1)

STEP 4

Read the standard requirements and certification, enter the name of the designated representative, and sign and date

Standard RequirementsPermit Requirements.

- (1) The designated representative of each Acid Rain source and each Acid Rain unit at the source shall:
 - (i) Submit a complete Acid Rain part application (including a compliance plan) under 40 CFR part 72, Rules 62-214.320 and 330, F.A.C. in accordance with the deadlines specified in Rule 62-214.320, F.A.C.; and
 - (ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain part application and issue or deny an Acid Rain permit;
- (2) The owners and operators of each Acid Rain source and each Acid Rain unit at the source shall:
 - (i) Operate the unit in compliance with a complete Acid Rain part application or a superseding Acid Rain part issued by the permitting authority; and
 - (ii) Have an Acid Rain Part.

Monitoring Requirements.

- (1) The owners and operators and, to the extent applicable, designated representative of each Acid Rain source and each Acid Rain unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75, and Rule 62-214.420, F.A.C.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
- (3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics at the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements.

- (1) The owners and operators of each source and each Acid Rain unit at the source shall:
 - (i) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 73.34(c)) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and
 - (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
- (2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
- (3) An Acid Rain unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
 - (i) Starting January 1, 2000, an Acid Rain unit under 40 CFR 72.6(a)(2); or
 - (ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an Acid Rain unit under 40 CFR 72.6(a)(3).
- (4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
- (5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1)(i) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
- (6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or the written exemption under 40 CFR 72.7 and 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements. The owners and operators of the source and each Acid Rain unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Excess Emissions Requirements.

- (1) The designated representative of an Acid Rain unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.
- (2) The owners and operators of an Acid Rain unit that has excess emissions in any calendar year shall:
 - (i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
 - (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Recordkeeping and Reporting Requirements.

- (1) Unless otherwise provided, the owners and operators of the source and each Acid Rain unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority:
 - (i) The certificate of representation for the designated representative for the source and each Acid Rain unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with Rule 62-214.350, F.A.C.; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
 - (ii) All emissions monitoring information, in accordance with 40 CFR part 75;
 - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and

Plant Name (from Step 1)

Recordkeeping and Reporting Requirements (cont.)

(iv) Copies of all documents used to complete an Acid Rain part application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.

(2) The designated representative of an Acid Rain source and each Acid Rain unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

Liability.

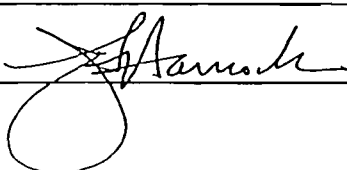
- (1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain part application, an Acid Rain part, or a written exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.
- (2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.
- (3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.
- (4) Each Acid Rain source and each Acid Rain unit shall meet the requirements of the Acid Rain Program.
- (5) Any provision of the Acid Rain Program that applies to an Acid Rain source (including a provision applicable to the designated representative of an Acid Rain source) shall also apply to the owners and operators of such source and of the Acid Rain units at the source.
- (6) Any provision of the Acid Rain Program that applies to an Acid Rain unit (including a provision applicable to the designated representative of an Acid Rain unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR 72.44 (Phase II repowering extension plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR part 75 (including 40 CFR 75.16, 75.17, and 75.18), the owners and operators and the designated representative of one Acid Rain unit shall not be liable for any violation by any other Acid Rain unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative.
- (7) Each violation of a provision of 40 CFR parts 72, 73, 75, 77, and 78 by an Acid Rain source or Acid Rain unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Effect on Other Authorities. No provision of the Acid Rain Program, an Acid Rain part application, an Acid Rain part, or a written exemption under 40 CFR 72.7 or 72.8 shall be construed as:

- (1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an Acid Rain source or Acid Rain unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;
- (2) Limiting the number of allowances a unit can hold; *provided*, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Act;
- (3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;
- (4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or,
- (5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

Certification

I am authorized to make this submission on behalf of the owners and operators of the Acid Rain source or Acid Rain units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name	John F. Hancock, Designated Representative	
Signature		Date 12/22/85

STEP 5 (optional)
Enter the source AIRS
and FINDS identification
numbers, if known

AIRS
FINDS





Via Airborne Express

January 9, 1996

Mr. John Brown, Administrator
Air Permitting and Standards
Department of Environmental Protection
2600 Blair Stone Road
Tallahassee, FL 32399-2400

RE: Gainesville Regional Utilities
Deerhaven Plant
Phase II Permit Application - Amendment

Dear Mr. Brown:

Enclosed are one (1) original and three (3) copies of the amended Phase II Permit Application for the Deerhaven plant. The initial application, submitted by letter dated December 22, 1995, indicated the monitor certification deadline for the new unit, CT3, as "unknown." As this unit commenced commercial operation (as defined in 40 CFR 72.2) on January 2, 1996, the monitor certification deadline is now determinate (i.e., April 1, 1996). The permit application form has been amended accordingly.

Each application consists of the following:

- DEP Form 62-210.900(1)(a),
- Copy of the Certificate of Representation and,
- Letter to EPA dated October 9, 1995 providing notice of representation for a new combustion turbine (CT3) at the Deerhaven plant.

Please call me at (352) 334-3400 Ext. 1284 if you have any questions regarding this revised application.

Sincerely,

Yolanta E. Jonynas
Sr. Environmental Engineer

xc: R. Casserleigh
F. Hancock
L. McDaniel
CAA Title IV

ph2rev.y17

Phase II Permit Application

For more information, see instructions and refer to 40 CFR 72.30 and 72.31 and Chapter 62-214, F.A.C.

This submission is: New Revised

STEP 1
Identify the source by plant name, State, and ORIS code from NADB

Deerhaven	FL	663
Plant Name	State	ORIS Code

STEP 2
Enter the boiler ID# from NADB for each affected unit, and indicate whether a repowering plan is being submitted for the unit by entering "yes" or "no" at column c. For new units, enter the requested information in columns d and e

a Boiler ID#	Compliance Plan		d New Units Commence Operation Date	e New Units Monitor Certification Deadline
	b Unit Will Hold Allow- ances in Accordance with 40 CFR 72.9(c)(1)	c Repowering Plan		
B1	Yes	NO		
B2	Yes	NO		
CT3	Yes	NO	12/20/95	4/1/96
	Yes			
	Yes			
	Yes			
	Yes			
	Yes			
	Yes			
	Yes			
	Yes			

STEP 3
Check the box if the response in column c of Step 2 is "Yes" for any unit

For each unit that will be repowered, the Repowering Extension Plan form is included and the Repowering Technology Petition form has been submitted or will be submitted by June 1, 1997.

Best Available Copy

Plant Name (from Step 1)

STEP 4

Read the standard requirements and certification, enter the name of the designated representative, and sign and date

Standard Requirements

Permit Requirements.

- (1) The designated representative of each Acid Rain source and each Acid Rain unit at the source shall:
 - (i) Submit a complete Acid Rain permit application (including a compliance plan) under 40 CFR part 72, Rules 62-214.320 and 330, F.A.C. in accordance with the deadlines specified in Rule 62-214.320, F.A.C.; and
 - (ii) Submit in a timely manner any supplemental information that the permitting authority determines is necessary in order to review an Acid Rain permit application and issue or deny an Acid Rain permit;
- (2) The owners and operators of each Acid Rain source and each Acid Rain unit at the source shall:
 - (i) Operate the unit in compliance with a complete Acid Rain permit application or a superseding Acid Rain permit issued by the permitting authority; and
 - (ii) Have an Acid Rain Permit.

Monitoring Requirements.

- (1) The owners and operators and, to the extent applicable, designated representative of each Acid Rain source and each Acid Rain unit at the source shall comply with the monitoring requirements as provided in 40 CFR part 75, and Rule 62-214.420, F.A.C.
- (2) The emissions measurements recorded and reported in accordance with 40 CFR part 75 shall be used to determine compliance by the unit with the Acid Rain emissions limitations and emissions reduction requirements for sulfur dioxide and nitrogen oxides under the Acid Rain Program.
- (3) The requirements of 40 CFR part 75 shall not affect the responsibility of the owners and operators to monitor emissions of other pollutants or other emissions characteristics of the unit under other applicable requirements of the Act and other provisions of the operating permit for the source.

Sulfur Dioxide Requirements.

- (1) The owners and operators of each source and each Acid Rain unit at the source shall:
 - (i) Hold allowances, as of the allowance transfer deadline, in the unit's compliance subaccount (after deductions under 40 CFR 72.34(c)) not less than the total annual emissions of sulfur dioxide for the previous calendar year from the unit; and
 - (ii) Comply with the applicable Acid Rain emissions limitations for sulfur dioxide.
- (2) Each ton of sulfur dioxide emitted in excess of the Acid Rain emissions limitations for sulfur dioxide shall constitute a separate violation of the Act.
- (3) An Acid Rain unit shall be subject to the requirements under paragraph (1) of the sulfur dioxide requirements as follows:
 - (i) Starting January 1, 2000, an Acid Rain unit under 40 CFR 72.6(a)(2); or
 - (ii) Starting on the later of January 1, 2000 or the deadline for monitor certification under 40 CFR part 75, an Acid Rain unit under 40 CFR 72.6(a)(3).
- (4) Allowances shall be held in, deducted from, or transferred among Allowance Tracking System accounts in accordance with the Acid Rain Program.
- (5) An allowance shall not be deducted in order to comply with the requirements under paragraph (1)(i) of the sulfur dioxide requirements prior to the calendar year for which the allowance was allocated.
- (6) An allowance allocated by the Administrator under the Acid Rain Program is a limited authorization to emit sulfur dioxide in accordance with the Acid Rain Program. No provision of the Acid Rain Program, the Acid Rain permit application, the Acid Rain permit, or the written exemption under 40 CFR 72.7 and 72.8 and no provision of law shall be construed to limit the authority of the United States to terminate or limit such authorization.
- (7) An allowance allocated by the Administrator under the Acid Rain Program does not constitute a property right.

Nitrogen Oxides Requirements. The owners and operators of the source and each Acid Rain unit at the source shall comply with the applicable Acid Rain emissions limitation for nitrogen oxides.

Excess Emissions Requirements.

- (1) The designated representative of an Acid Rain unit that has excess emissions in any calendar year shall submit a proposed offset plan, as required under 40 CFR part 77.
- (2) The owners and operators of an Acid Rain unit that has excess emissions in any calendar year shall:
 - (i) Pay without demand the penalty required, and pay upon demand the interest on that penalty, as required by 40 CFR part 77; and
 - (ii) Comply with the terms of an approved offset plan, as required by 40 CFR part 77.

Recordkeeping and Reporting Requirements.

- (1) Unless otherwise provided, the owners and operators of the source and each Acid Rain unit at the source shall keep on site at the source each of the following documents for a period of 5 years from the date the document is created. This period may be extended for cause, at any time prior to the end of 5 years, in writing by the Administrator or permitting authority:
 - (i) The certificate of representation for the designated representative for the source and each Acid Rain unit at the source and all documents that demonstrate the truth of the statements in the certificate of representation, in accordance with Rule 62-214.350, F.A.C.; provided that the certificate and documents shall be retained on site at the source beyond such 5-year period until such documents are superseded because of the submission of a new certificate of representation changing the designated representative;
 - (ii) All emissions monitoring information, in accordance with 40 CFR part 75;
 - (iii) Copies of all reports, compliance certifications, and other submissions and all records made or required under the Acid Rain Program; and

Plant Name (from Step 1)

Recordkeeping and Reporting Requirements (cont.)

(iv) Copies of all documents used to complete an Acid Rain part application and any other submission under the Acid Rain Program or to demonstrate compliance with the requirements of the Acid Rain Program.

(2) The designated representative of an Acid Rain source and each Acid Rain unit at the source shall submit the reports and compliance certifications required under the Acid Rain Program, including those under 40 CFR part 72 subpart I and 40 CFR part 75.

Liability.

(1) Any person who knowingly violates any requirement or prohibition of the Acid Rain Program, a complete Acid Rain part application, an Acid Rain part, or a written exemption under 40 CFR 72.7 or 72.8, including any requirement for the payment of any penalty owed to the United States, shall be subject to enforcement pursuant to section 113(c) of the Act.

(2) Any person who knowingly makes a false, material statement in any record, submission, or report under the Acid Rain Program shall be subject to criminal enforcement pursuant to section 113(c) of the Act and 18 U.S.C. 1001.

(3) No permit revision shall excuse any violation of the requirements of the Acid Rain Program that occurs prior to the date that the revision takes effect.

(4) Each Acid Rain source and each Acid Rain unit shall meet the requirements of the Acid Rain Program.

(5) Any provision of the Acid Rain Program that applies to an Acid Rain source (including a provision applicable to the designated representative of an Acid Rain source) shall also apply to the owners and operators of such source and of the Acid Rain units at the source.

(6) Any provision of the Acid Rain Program that applies to an Acid Rain unit (including a provision applicable to the designated representative of an Acid Rain unit) shall also apply to the owners and operators of such unit. Except as provided under 40 CFR 72.44 (Phase II repowering extension plans), and except with regard to the requirements applicable to units with a common stack under 40 CFR part 75 (including 40 CFR 75.16, 75.17, and 75.18), the owners and operators and the designated representative of one Acid Rain unit shall not be liable for any violation by any other Acid Rain unit of which they are not owners or operators or the designated representative and that is located at a source of which they are not owners or operators or the designated representative.

(7) Each violation of a provision of 40 CFR parts 72, 73, 75, 77, and 78 by an Acid Rain source or Acid Rain unit, or by an owner or operator or designated representative of such source or unit, shall be a separate violation of the Act.

Effect on Other Authorities. No provision of the Acid Rain Program, an Acid Rain part application, an Acid Rain part, or a written exemption under 40 CFR 72.7 or 72.8 shall be construed as:

(1) Except as expressly provided in title IV of the Act, exempting or excluding the owners and operators and, to the extent applicable, the designated representative of an Acid Rain source or Acid Rain unit from compliance with any other provision of the Act, including the provisions of title I of the Act relating to applicable National Ambient Air Quality Standards or State Implementation Plans;

(2) Limiting the number of allowances a unit can hold; *provided*, that the number of allowances held by the unit shall not affect the source's obligation to comply with any other provisions of the Act;


(3) Requiring a change of any kind in any State law regulating electric utility rates and charges, affecting any State law regarding such State regulation, or limiting such State regulation, including any prudence review requirements under such State law;

(4) Modifying the Federal Power Act or affecting the authority of the Federal Energy Regulatory Commission under the Federal Power Act; or

(5) Interfering with or impairing any program for competitive bidding for power supply in a State in which such program is established.

Certification

I am authorized to make this submission on behalf of the owners and operators of the Acid Rain source or Acid Rain units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Name	John F. Hancock, Designated Representative	
Signature		Date 1/9/96

STEP 5 (optional)
Enter the source AIRS
and FINDS identification
numbers, if known

AIRS
FINDS



February 23, 1994

U. S. Environmental Protection Agency
Acid Rain Program (6204J)
Attention: Designated Representative
401 M Street, SW
Washington, DC 20460

Re: Gainesville Regional Utilities
Deerhaven and J. R. Kelly
Certificate of Representation

Dear Sir or Madam:

Enclosed is one (1) original and three (3) copies of the Certificate of Representation for Gainesville Regional Utilities Deerhaven and J. R. Kelly generating stations.

If you have any questions, please call me at (904) 334-3400 ext. 1284.

Sincerely,

A handwritten signature in cursive script, appearing to read 'Yolanta E. Jonynas', is written over a horizontal line.

Yolanta E. Jonynas
Senior Environmental Engineer

YEJ:gm
Enclosures

xc: Fred Hancock
Randy Casserleigh
Larry McDaniel
CAA/DR

United States
Environmental Protection Agency
Acid Rain Program

OMB No. 2060-0221
Expires 6-30-95



Certificate of Representation

Page 7

For more information, see instructions and refer to 40 CFR 72.24

This submission is: New Revised

STEP 1
Identify the source by
plant name, State, and
ORIS code from NADB

Deerhaven (Generating Station) Plant Name	FL State	663 ORIS Code
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STEP 2
Enter requested
information for the
designated
representative

Name Mr. John F. Hancock, Jr.	
Address Gainesville Regional Utilities P. O. Box 147117 (A132) Gainesville, FL 32614-7117	
904-334-3400 ext. 1712 Phone Number	904-334-2786 Fax Number

STEP 3
Enter requested
information for the
alternate designated
representative -
(optional)

Name Mr. Randy Casserleigh	
Address Gainesville Regional Utilities P. O. Box 147117 (D38) Gainesville, FL 32614-7117	
904-334-2660 Phone Number	904-334-2672 Fax Number

STEP 4
Complete Step 5, read
the certifications and
sign and date

I certify that I was selected as the designated representative or alternate designated representative, as applicable, by an agreement binding on the owners and operators of the affected source and each affected unit at the source.

I certify that I have given notice of the agreement, selecting me as the designated representative or alternate designated representative, as applicable for the affected source and each affected unit at the source identified in this certificate of representation, daily for a period of one week in a newspaper of general circulation in the area where the source is located or in a State publication designed to give general public notice.

I certify that I have all necessary authority to carry out my duties and responsibilities under the Acid Rain Program on behalf of the owners and operators of the affected source and of each affected unit at the source and that each such owner and operator shall be fully bound by my actions, inactions, or submissions.

I certify that I shall abide by any fiduciary responsibilities imposed by the agreement by which I was selected as designated representative or alternate designated representative, as applicable.

I certify that the owners and operators of the affected source and of each affected unit at the source shall be bound by any order issued to me by the Administrator, the permitting authority, or a court regarding the source or unit.

Where there are multiple holders of a legal or equitable title to, or a leasehold interest in, an affected unit, where a utility or industrial customer purchases power from an affected unit under life-of-the-unit, firm or contractual arrangements, I certify that:

I have given a written notice of my selection as the designated representative or alternate designated representative, as applicable, and of the agreement by which I was selected to each owner and operator of the affected source and of each affected unit at the source; and

Allowances and the proceeds of transactions involving allowances will be deemed to be held or distributed in proportion to each holder's legal, equitable, leasehold, or contractual reservation or entitlement or, if such multiple holders have expressly provided for a different distribution of allowance contract, that allowances and the proceeds of transactions involving allowances will be deemed to be or distributed in accordance with the contract.

The agreement by which I was selected as the alternate designated representative includes a procedure for the owners and operators of the source and affected units at the source to authorize the alternate designated representative to act in lieu of the designated representative.

DEERHAVEN (GENERATING STATION)
 Plant Name (from Step 1)

Certification

I am authorized to make this submission on behalf of the owners and operators of the affected source or affected units for which the submission is made. I certify under penalty of law that I have personally examined, and am familiar with, the statements and information submitted in this document and all its attachments. Based on my inquiry of those individuals with primary responsibility for obtaining the information, I certify that the statements and information are to the best of my knowledge and belief true, accurate, and complete. I am aware that there are significant penalties for submitting false statements and information or omitting required statements and information, including the possibility of fine or imprisonment.

Signature (designated representative)	<i>[Signature]</i>	Date	2/21/94
Signature (alternate)	<i>[Signature]</i>	Date	2/21/94

STEP 5
 Provide the name of every owner and operator of the source and each affected unit at the source. Identify the units they own and/or operate by boiler ID# from NADB. For owners only, identify each state or local utility regulatory authority with jurisdiction over each owner

City of Gainesville					<input checked="" type="checkbox"/> Owner	<input checked="" type="checkbox"/> Operator
Name Gainesville Regional Utilities						
B1 ID#	B2 ID#	ID#	ID#	ID#	ID#	ID#
ID#	ID#	ID#	ID#	ID#	ID#	ID#
Regulatory Authorities Florida Public Service Commission (limited authority); City Commission of the City of Gainesville						

					<input type="checkbox"/> Owner	<input type="checkbox"/> Operator
Name						
ID#	ID#	ID#	ID#	ID#	ID#	ID#
ID#	ID#	ID#	ID#	ID#	ID#	ID#
Regulatory Authorities						

					<input type="checkbox"/> Owner	<input type="checkbox"/> Operator
Name						
ID#	ID#	ID#	ID#	ID#	ID#	ID#
ID#	ID#	ID#	ID#	ID#	ID#	ID#
Regulatory Authorities						

					<input type="checkbox"/> Owner	<input type="checkbox"/> Operator
Name						
ID#	ID#	ID#	ID#	ID#	ID#	ID#
ID#	ID#	ID#	ID#	ID#	ID#	ID#
Regulatory Authorities						



Via Airborne Express

October 9, 1995

U. S. Environmental Protection Agency
Acid Rain Program (6204J)
Attention: Designated Representative
401 M Street, SW
Washington, DC 20460

RE: Gainesville Regional Utilities (Utility Code: 6909)
Deerhaven (ORIS Code: 663)

Dear Sir or Madam:

Gainesville Regional Utilities is currently completing construction of a new simple cycle combustion turbine (designated as "CT3") at the Deerhaven plant. GRU expects to initiate operation of this new unit in November 1995 and soon will be submitting Monitoring Plans for the unit's Continuous Emission Monitoring System. Therefore, notice is hereby provided that Messrs. John F. Hancock and Randy Casserleigh are the Designated Representative and Alternate Designated Representative, respectively, for CT3. The Certificate of Representation for the Deerhaven plant was filed with the EPA by letter dated February 23, 1994.

It should be noted that the National Allowance Database Version 2.1 ("NADB") currently does not reference "CT3." It does, however, include a planned unit designated as "***NA1" at the Deerhaven plant. GRU will be filing a request with Ms. Kathy Barylski (EPA) to have unit "***NA1" redesignated as "CT3" in the NADB.

Please call me at (904) 334-3400 Ext. 1284 if you have any questions.

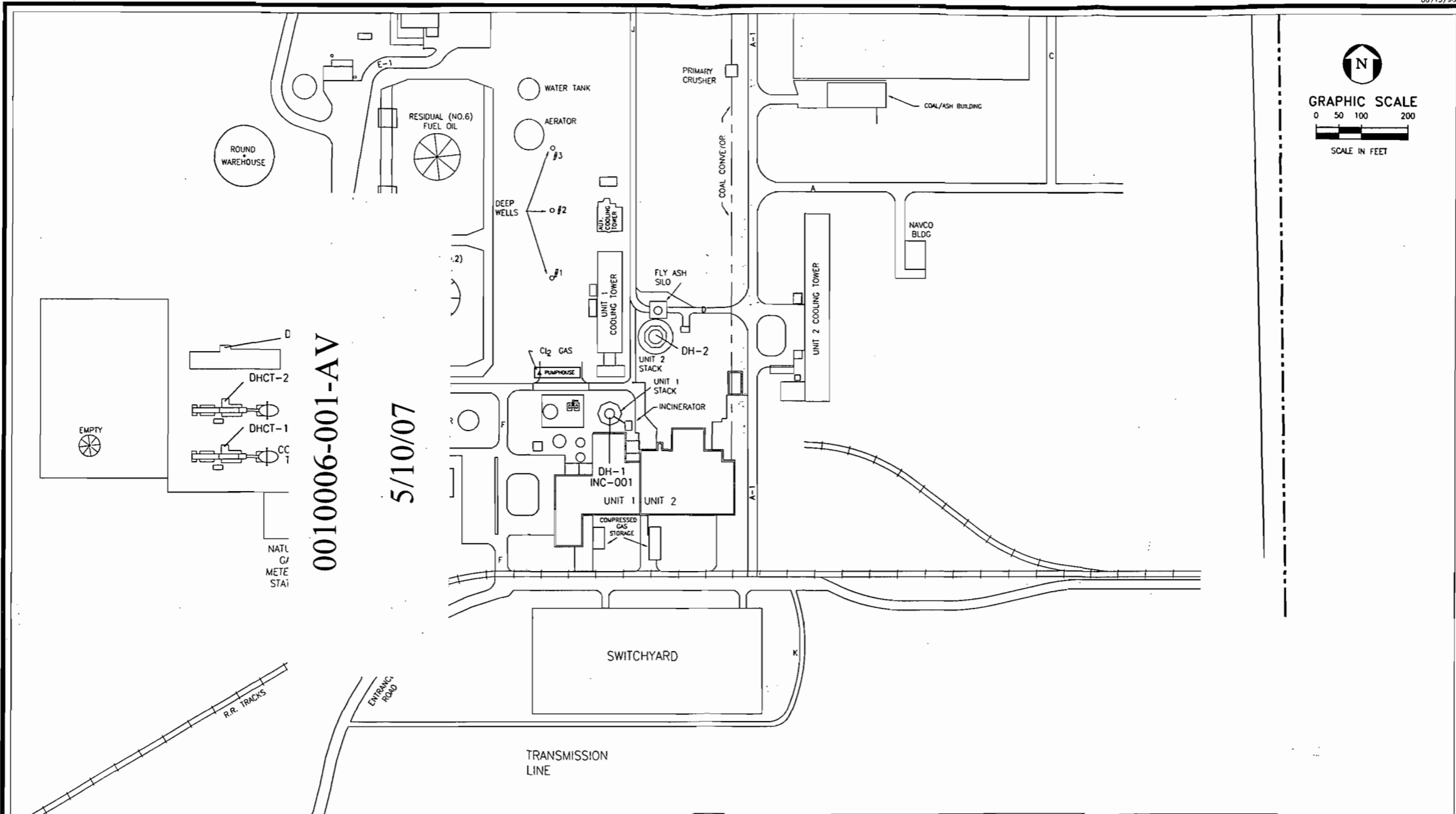
Sincerely,

A handwritten signature in cursive script that reads "Yolanta E. Jonynas".

Yolanta E. Jonynas
Sr. Environmental Engineer

xc: R. Casserleigh
F. Hancock
CAA/DR

Electronic Submittal

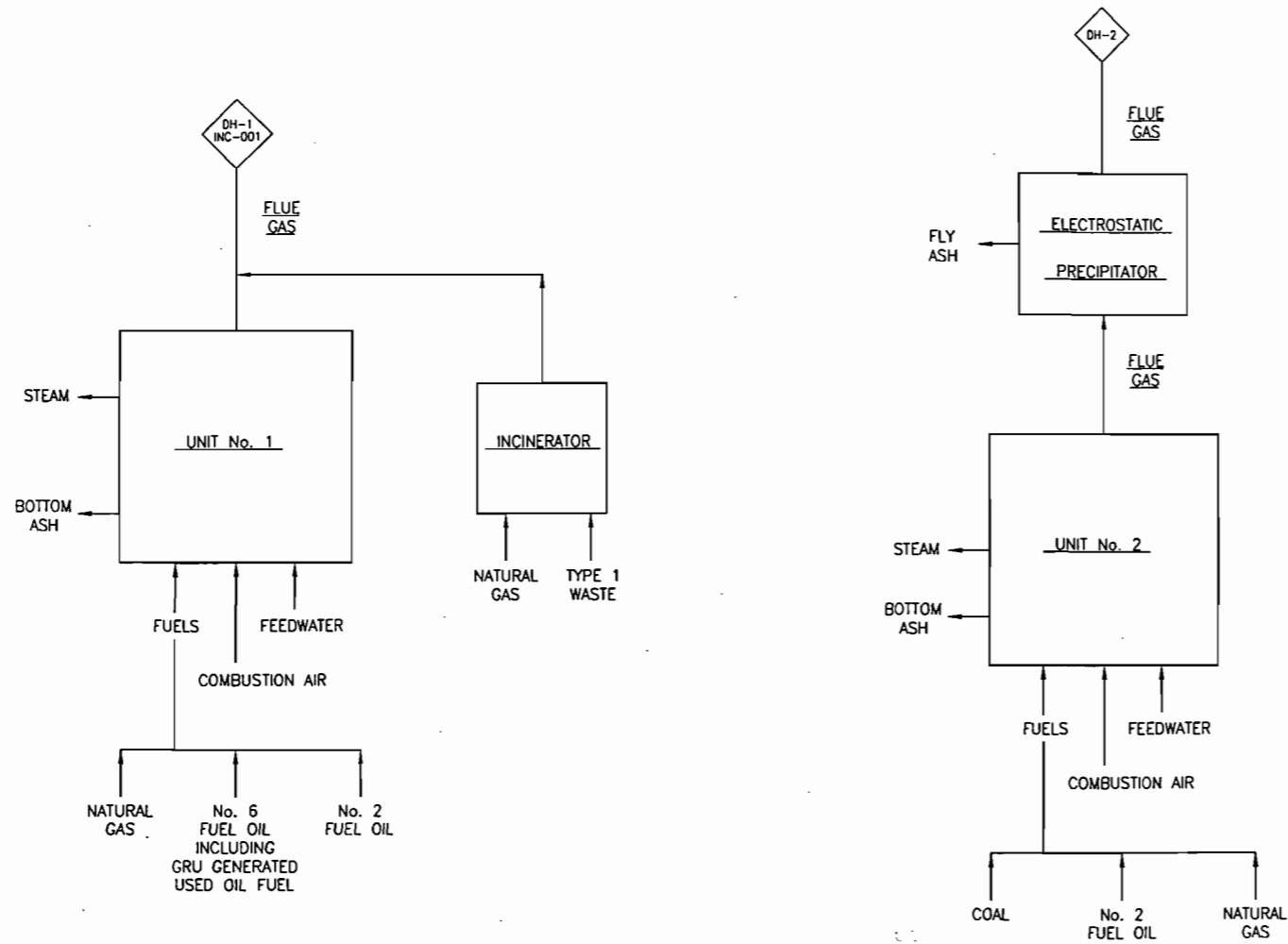


0010006-001-AV

5/10/07

DOCUMENT II.E.2.B.
 DEERHAVEN STATION
 COMBUSTION EMISSION SOURCES
 Sources: GRU, 1995. ECT, 1995.



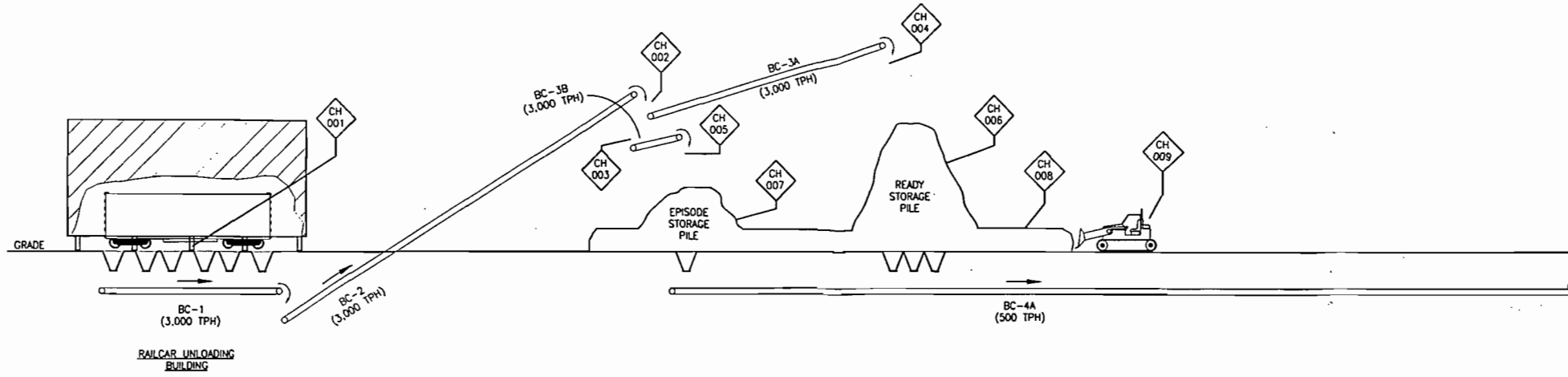


LEGEND

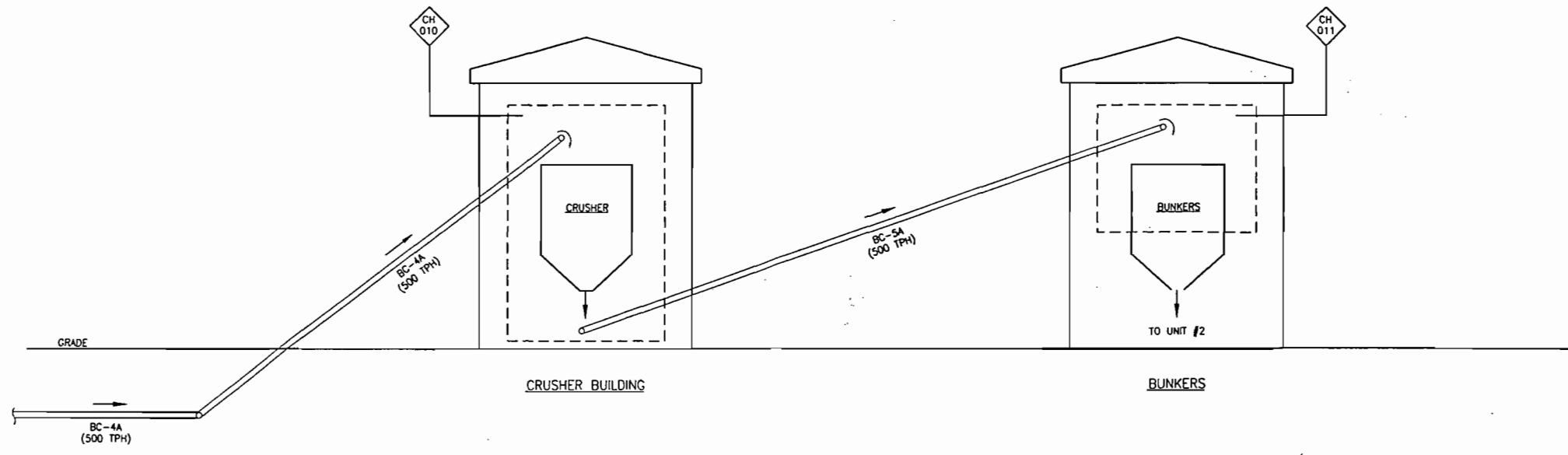


DOCUMENT I.E.3.A.
 DEERHAVEN STATION
 BOILER PROCESS FLOW DIAGRAM
 Sources: ECT, 1995.





LEGEND



DOCUMENT IIE.3.C.
 DEERHAVEN STATION
 COAL HANDLING PROCESS FLOW DIAGRAM
 Sources: ECT, 1995.



3M

3M MANUFACTURING COMPANY

Facility Name: City of

Gainesville Deerhaven

Generating Station

Facility ID: 0010006-cc/AV

Disk 1 of 1

V.S.
ykg